

# Ground-Water Levels in the United States, 1967-71

North-Central States

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GEOLOGICAL SURVEY WATER-SUPPLY PAPER 2090

*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**

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## PREFACE

This report was prepared by the U.S. Geological Survey in co-operation 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, E. L. Hendricks, chief hydrologist, G. W. Whetstone, assistant chief for Scientific Publications and Data Management, under the general direction of G. A. Billingsley, chief, Reports Section, and B. A. Anderson, chief, Data Reports Unit.

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# GROUND-WATER LEVELS IN THE UNITED STATES 1967-71

## NORTH-CENTRAL STATES

### INTRODUCTION

Publication of ground-water level data for the United States in water-supply papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single water-supply paper for each year covering the entire Nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). Since then water-supply papers have been issued covering 6 separate sections of the United States as shown in figure 1. See table on page 2 for the number of the water-supply paper containing records by year and section.

Beginning in 1956, only water-level data from a basic network of observation wells has been published. This basic network contains 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.

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 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 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.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will insure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a 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. Water levels in wells equipped with recording gages are reported 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. 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, 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 by the Water Resources Division of the Geological Survey under the direction of personnel listed in the preface.

Numbers of water-supply papers containing records of water levels  
in the United States, 1940-71

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	1121	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

Numbers of water-supply papers containing records of water levels  
in the United States, 1940-71--Continued

Year	North- eastern (1)	South- eastern (2)	North- central (3)	South- central (4)	North- western (5)	South- western (6)
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	.....	.....	.....
1963-67	1977	.....	.....	.....	.....	.....
1964-68	.....	1978	.....	.....	.....	.....
1965-69	.....	.....	.....	1979	.....	.....
1966-70	.....	.....	.....	.....	1980	2010
1967-71	.....	.....	2090	.....	.....	.....

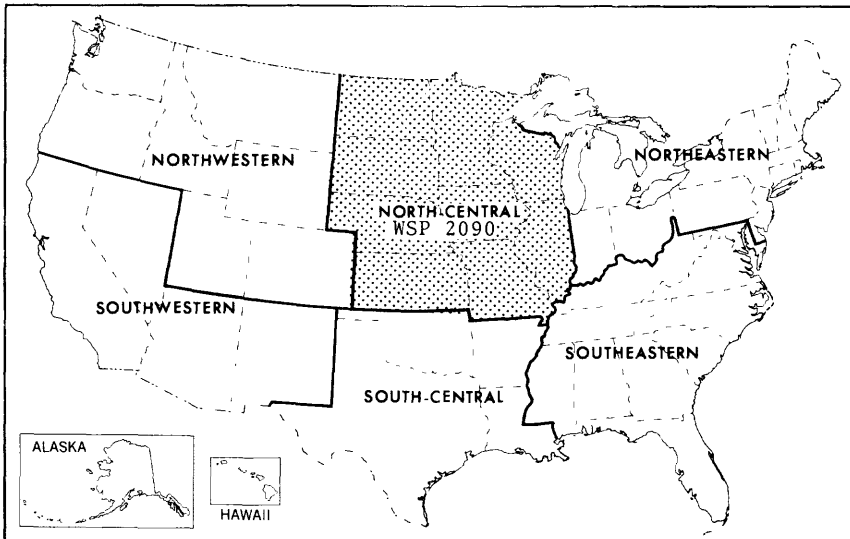


Figure 1. Map of the United States showing States for which records of water levels are published in this volume.

# ILLINOIS

Figure 2 shows the location of observation wells in Illinois.

## Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local well numbers are in accordance with 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. Perry Croissant. 325 First Street, Princeton. Dug unused water-table well in glacial drift, diam 32 in, depth 29 ft, cribbed with brick. Lsd 698 ft 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: 1943-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1967	15.44	Mar. 19, 1968	8.68	June 20, 1969	8.04	Sept. 20, 1970	5.38
21	15.94	Apr. 10	7.93	July 20	6.95	Oct. 10	6.02
Feb. 10	15.30	20	7.08	Aug. 10	8.38	20	6.72
20	13.20	May 10	8.10	20	9.42	Nov. 10	5.61
Mar. 10	13.28	20	8.45	Sept. 10	10.50	20	6.50
20	13.14	June 10	9.65	20	10.91	Dec. 10	7.75
Apr. 10	6.46	20	10.42	Oct. 10	11.70	20	7.04
20	7.10	July 17	11.29	20	7.34	Jan. 10, 1971	8.24
May 10	6.40	Aug. 10	11.90	Nov. 10	8.98	20	8.72
21	7.60	20	12.30	20	7.00	Feb. 20	6.81
June 10	9.12	Sept. 10	12.92	Dec. 10	9.96	Mar. 20	6.20
20	8.41	20	8.38	20	10.25	Apr. 10	7.59
July 10	10.37	Oct. 10	11.26	Jan. 10, 1970	10.70	20	7.30
20	11.48	20	11.83	20	10.95	May 10	6.98
Aug. 10	7.77	Nov. 10	12.19	Feb. 10	9.24	20	8.25
20	8.74	20	11.12	20	9.31	June 10	9.00
Sept. 10	11.14	Dec. 10	10.35	Mar. 10	9.34	20	9.50
20	10.94	20	10.51	20	9.38	July 10	10.39
Oct. 10	9.90	Jan. 10, 1969	9.51	Apr. 10	5.66	20	9.80
20	7.81	20	8.34	20	4.31	Aug. 10	11.16
Nov. 10	5.36	Feb. 10	11.20	May 10	6.21	20	11.68
20	6.03	20	9.56	20	5.11	Sept. 10	12.25
Dec. 10	7.28	Mar. 10	10.25	June 10	5.51	20	12.22
20	7.44	20	10.50	20	5.90	Oct. 10	12.04
Jan. 10, 1968	7.41	Apr. 10	7.80	July 10	7.51	20	12.75
20	8.00	20	6.20	20	8.20	Nov. 10	12.53
Feb. 10	6.84	May 10	5.75	Aug. 10	4.95	20	12.37
20	7.45	20	6.88	20	6.46	Dec. 10	11.62
Mar. 10	8.35	June 10	6.14	Sept. 10	6.41	20	8.87

### Du Page County

414236N0875833.1. Local number 37N-11E-9H1. 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 86.81 below lsd, Sept. 10, 1971. Records available: 1946-71. Water levels affected by pumping of nearby wells.



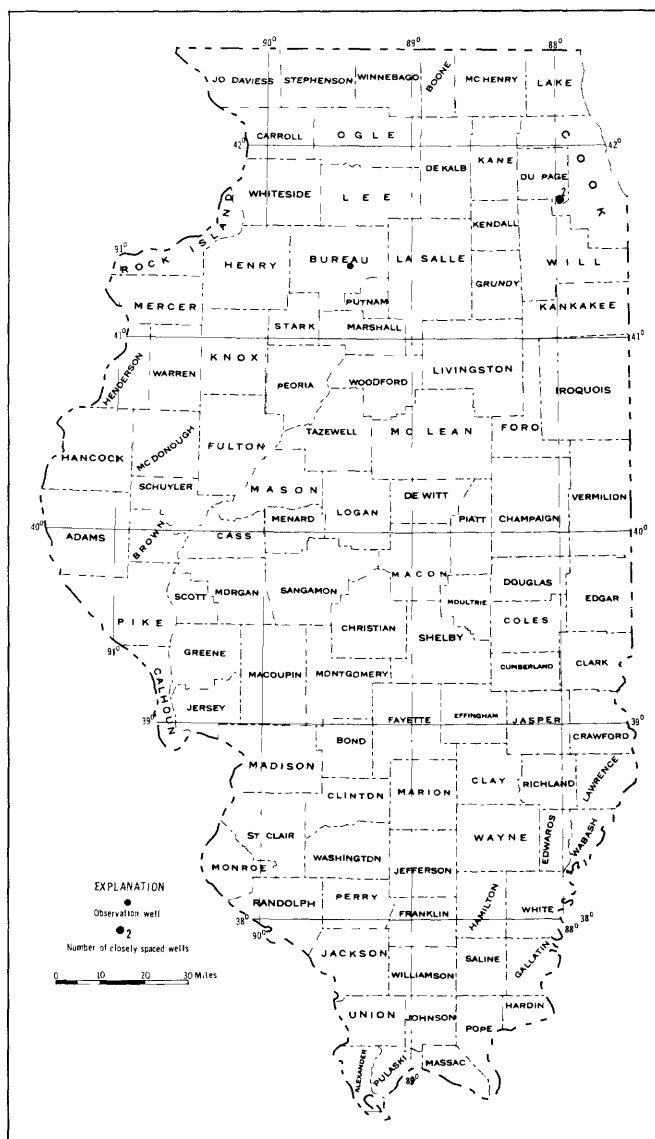


Figure 2.--Location of observation wells in Illinois, 1967-71.

44236N0875833.1--Continued.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	81.59	80.93	80.47	79.79	79.29	79.45	79.96	80.41	80.78	81.47	80.00	79.39
10	82.68	81.90	80.58	80.87	79.84	80.25	80.30	81.50	81.11	80.31	79.67	74.91
15	80.99	81.07	81.53	80.32	78.80	82.60	80.47	80.33	80.69	79.88	80.20	80.30
20	81.97	80.52	80.23	80.06	79.65	81.87	79.96	80.51	81.37	70.72	79.56	79.77
25	81.65	80.48	80.05	80.89	81.10	79.86	80.96	81.31	80.51	79.91	79.43	78.97
Eom	82.72	81.01	81.34	79.39	e79.45	80.62	80.26	80.52	80.70	80.42	81.57	79.04
1968												
5	79.95	79.26	78.47	79.45	79.76	80.40	81.48	82.07	83.82	81.88	81.70	81.13
10	80.09	78.91	79.11	79.41	79.68	81.49	81.40	82.24	82.31	82.08	81.20	81.00
15	79.78	78.79	79.22	78.99	80.93	80.87	83.59	82.47	82.30	82.07	82.32	81.44
20	80.07	78.81	78.93	78.90	79.40	81.11	82.31	82.18	82.30	81.48	81.99	81.01
25	80.51	78.82	79.12	79.33	79.89	80.71	83.52	82.40	82.68	82.70	81.21	81.00
Eom	79.94	79.17	78.96	78.89	79.42	80.69	82.32	82.40	82.58	81.80	81.41	80.47
1969												
5	79.47	81.63	79.84	79.10	78.78	79.38	80.12	80.60	82.10	81.70	81.81	82.02
10	80.81	80.30	79.96	79.41	78.53	79.62	79.90	80.12	81.70	82.19	81.82	81.70
15	80.48	80.10	80.03	79.23	78.43	79.06	80.70	81.48	82.02	81.90	81.39	81.55
20	80.20	80.29	79.52	77.89	78.94	79.91	80.26	81.49	81.90	81.72	82.01	81.89
25	80.87	80.15	79.58	78.45	78.63	79.23	80.71	81.67	82.08	82.00	81.76	81.41
Eom	80.45	80.10	79.01	78.27	78.90	79.93	81.04	81.77	81.72	81.95	81.40	81.19
1970												
5	81.23	83.32	81.16	81.43	81.39	80.66	81.10	82.27	83.22	83.27	83.27	82.30
10	81.19	81.28	81.21	81.83	80.42	80.75	81.22	82.60	.....	83.72	82.63	.....
15	81.23	81.24	81.47	82.31	80.32	81.21	83.23	83.30	83.25	83.40	82.70	83.28
20	81.18	81.52	81.28	80.47	80.89	81.23	81.84	83.79	82.90	83.10	82.52	83.01
25	81.13	81.48	81.30	80.92	80.28	80.90	82.00	83.48	83.42	82.32	.....	82.82
Eom	81.68	81.57	81.32	82.35	80.35	83.06	84.02	83.10	84.39	82.60	82.37	82.81
1971												
5	81.87	81.88	82.21	82.06	82.22	83.20	83.29	84.72	85.02	84.42	.....	83.77
10	81.73	82.30	82.67	82.30	82.08	83.31	84.80	85.73	86.81	84.05	84.48	83.83
15	82.13	82.81	81.65	82.49	82.48	84.65	84.25	84.32	86.43	84.68	84.73	83.76
20	82.42	82.41	82.00	81.82	83.11	83.41	84.19	85.07	84.33	84.84	84.03	83.73
25	81.78	82.01	82.40	81.94	83.28	83.38	83.91	85.94	84.12	84.56	84.39	84.10
Eom	82.00	81.96	82.11	82.37	82.36	85.22	84.35	84.91	85.75	84.28	84.09	83.61
e Estimated.												
41421N0875928.1. Local number 37N-11E-9K1. 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 97.71 below lsd, Dec. 1, 1971. Records available: 1948-71. Water levels affected by pumping of nearby wells.												
Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	95.31	95.39	94.96	94.29	94.10	94.28	94.52	94.73	95.19	95.16	95.12	94.60
10	.....	95.12	94.95	94.36	93.77	94.22	94.35	e94.92	95.22	95.08	95.01	94.66
15	95.23	.....	95.29	94.11	93.86	94.36	94.55	94.88	95.09	95.20	94.91	95.13
20	95.29	95.12	94.99	94.19	94.03	94.39	94.58	94.79	95.05	95.27	94.88	94.95
25	95.31	95.37	94.72	94.23	93.93	94.44	94.49	94.93	95.15	95.14	94.48	94.80
Eom	95.30	95.23	94.67	93.94	e94.26	94.40	94.66	95.01	95.05	95.10	94.60	94.78
1968												
5	94.88	94.72	94.35	94.69	94.77	95.01	95.44	95.88	95.84	96.18	96.14	95.80
10	95.01	94.36	94.54	94.54	94.84	95.10	95.46	95.99	95.85	96.12	96.04	96.04
15	94.65	94.28	94.50	94.61	94.72	95.39	95.50	95.97	95.97	96.05	95.96	95.97
20	94.75	94.28	94.45	94.46	94.76	95.39	95.80	95.98	95.99	96.00	96.14	95.79
25	94.67	94.35	94.47	94.43	95.03	95.32	95.85	96.00	96.01	95.97	96.15	95.81
Eom	94.81	94.30	94.52	94.52	94.94	95.28	95.82	95.98	96.09	96.03	96.21	e95.58
1969												
5	95.61	95.21	95.14	95.40	94.66	94.71	94.90	95.18	95.69	95.93	95.85	95.99
10	95.59	95.21	94.99	95.17	94.55	94.75	94.89	95.17	95.81	95.81	95.87	95.76
15	95.78	95.32	95.25	94.91	94.70	94.78	94.98	95.29	95.71	95.98	95.80	96.18
20	95.62	95.34	95.08	94.90	94.79	94.75	95.12	95.60	95.99	95.86	95.99	96.13
25	95.53	95.12	94.88	94.74	94.73	94.64	95.04	95.47	95.79	96.11	96.07	96.02
Eom	95.47	95.13	95.20	94.78	94.62	94.85	95.15	95.61	95.83	95.99	95.97	95.98
1970												
5	96.12	.....	95.96	95.77	95.52	94.91	95.06	95.72	95.96	95.93	.....	95.87
10	96.27	96.15	95.85	95.61	95.14	94.86	96.11	95.74	96.11	96.09	95.91	95.88
15	96.23	96.22	95.94	95.53	95.20	.....	95.26	95.90	96.16	96.17	95.93	95.88
20	96.39	96.34	95.80	95.22	95.18	.....	95.44	95.88	96.07	96.05	95.87	95.87
25	96.02	96.20	95.71	95.36	94.92	.....	95.60	95.86	96.19	95.83	95.77	95.78
Eom	96.20	96.16	95.86	95.36	94.93	94.99	95.59	96.09	.....	95.94	95.96	95.78
1971												
5	95.99	96.20	96.15	96.07	95.86	96.27	96.58	96.90	97.16	97.28	97.38	97.51
10	95.92	96.23	96.22	96.06	95.81	96.34	96.78	97.07	97.21	97.23	97.41	97.42
15	96.25	96.25	96.08	95.81	96.04	96.33	96.57	96.89	97.30	97.37	97.52	97.52
20	96.20	96.45	96.08	95.73	95.16	96.47	96.68	96.85	97.43	97.42	97.32	97.26
25	95.95	96.20	96.19	95.75	96.08	96.54	96.66	.....	97.40	97.31	97.56	97.36
Eom	95.92	96.27	95.84	95.94	96.16	96.59	96.77	97.21	97.28	97.42	97.62	97.34

e Estimated.

44217N0875928.1. Local number 37N-11E-9K1. 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 97.71 below lsd, Dec. 1, 1971. Records available: 1948-71. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	95.31	95.39	94.96	94.29	94.10	94.28	94.52	94.73	95.19	95.16	95.12	94.60
10	.....	95.12	94.95	94.38	93.77	94.22	94.37	e94.92	95.22	95.08	95.01	94.56
15	95.23	.....	95.29	94.11	93.86	94.36	94.55	94.88	95.09	95.20	94.91	95.13
20	95.29	95.12	94.99	94.19	94.03	94.39	94.58	94.79	95.05	95.27	94.88	94.95
25	95.31	95.37	94.72	94.23	93.93	94.44	94.49	94.93	95.15	95.14	94.48	94.80
Eom	95.30	95.23	94.67	93.94	e94.26	94.40	94.66	95.01	95.05	95.10	94.60	94.78
1968												
5	94.88	94.72	94.35	94.69	94.77	95.01	95.44	95.88	95.84	96.18	96.14	95.80
10	95.01	94.36	94.54	94.54	94.84	95.10	95.46	95.99	95.85	96.12	96.04	96.04
15	94.65	94.28	94.50	94.61	94.72	95.39	95.50	95.97	95.97	96.05	95.96	95.97
20	94.75	94.28	94.45	94.46	94.76	95.39	95.80	95.98	95.99	96.00	96.14	95.79
25	94.67	94.35	94.47	94.43	95.03	95.32	95.85	96.00	96.01	95.97	96.15	95.81
Eom	94.81	94.30	94.52	94.52	94.94	95.28	95.82	95.98	96.09	96.03	96.21	e95.58
1969												
5	95.61	95.21	95.14	95.40	94.66	94.71	94.90	95.18	95.69	95.93	95.85	95.99
10	95.59	95.21	94.99	95.17	94.55	94.75	94.89	95.17	95.81	95.81	95.87	95.76
15	95.78	95.32	95.26	94.91	94.70	94.78	94.98	95.29	95.71	95.98	95.80	96.18
20	95.62	95.34	95.08	94.90	94.79	94.75	95.12	95.60	95.99	95.86	95.99	96.13
25	95.53	95.12	94.88	94.74	94.73	94.64	95.04	95.47	95.79	96.11	96.07	96.02
Eom	95.47	95.13	95.20	94.78	94.62	94.85	95.15	95.61	95.83	95.99	95.97	95.98
1970												
5	96.12	.....	95.96	95.77	95.52	94.91	95.05	95.72	95.96	95.93	.....	95.87
10	96.27	96.15	95.85	95.61	95.14	94.86	96.11	95.74	96.11	96.09	95.11	95.88
15	96.23	96.22	95.94	95.53	95.20	.....	95.26	95.90	96.16	96.17	95.93	95.88
20	96.39	96.34	95.80	95.22	95.18	.....	95.44	95.88	96.07	96.05	95.87	95.87
25	96.02	96.20	95.71	95.36	94.92	.....	95.60	95.86	96.19	95.83	95.77	95.78
Eom	96.20	96.16	95.86	95.36	94.93	94.99	95.59	95.09	.....	95.94	95.96	95.78
1971												
5	95.99	96.20	96.15	96.07	95.86	96.27	96.58	96.90	97.16	97.28	97.38	97.51
10	95.92	96.23	96.22	96.06	96.05	96.34	96.72	96.70	97.24	97.23	97.41	97.42
15	95.25	96.25	96.08	95.81	96.04	96.33	96.57	96.89	97.37	97.30	97.51	97.33
20	96.20	96.45	96.08	95.73	96.15	96.47	96.68	96.85	97.43	97.42	97.32	97.26
25	95.95	96.20	96.19	95.75	96.08	96.54	96.66	.....	97.40	97.31	97.56	97.36
Eom	95.92	96.27	95.84	95.94	96.16	96.59	96.77	97.21	97.28	97.42	97.62	97.34

e Estimated.

# IOWA

The observation-well program in Iowa was continued from 1967 through 1971 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 according to their latitude and longitude location, as explained on page 1. Local well numbers are also given.

The local well numbers are 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 counter-clockwise direction (beginning with "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. Numbers are added as suffixes to distinguish wells in the same tract. Thus, the number 75-30-17bcb designates the well in the NW¼SW¼NW¼ sec. 17, T. 75N., R. 30W.

## Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum, unless otherwise indicated. 7½ minute topographic map is used where available, otherwise barometric leveling is used in referencing land-surface datum.

### Adair County

41179N0942018.1. Local number 75-30-17edbl. Formerly 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, 0.80 ft above lsd (since June 1, 1969). Highest water level 0.18 above lsd, Mar. 23, 1943; lowest 8.40 below lsd, July 28, 1953. Records available: 1942-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 26, 1967	0.45	June 10, 1968	2.29	July 30, 1969	0.30	Sept. 3, 1970	2.99
Aug. 8	2.13	Aug. 15	2.72	Nov. 19	.35	June 8, 1971	.30
Dec. 19	2.42	Apr. 1, 1969	.29	Apr. 7, 1970	.26	Nov. 16	1.42
Feb. 13, 1968	2.32	June 3	.94				

### Buena Vista County

423426N0951148.1. Local number 90-37-34abbl. Formerly 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, 1946; lowest 18.32 below lsd, Aug. 27, 1941. Records available: 1940-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 14, 1967	10.94	June 14, 1968	11.27	Sept. 5, 1969	9.13	Oct. 14, 1970	14.68
June 26	6.63	Aug. 30	12.06	Nov. 20	8.79	Jan. 29, 1971	10.41
Dec. 12	11.15	Mar. 4, 1969	8.80	Feb. 6, 1970	9.40	Nov. 16	11.94
Mar. 6, 1968	11.01	May 21	5.53	July 30	12.24		

### Carroll County

420335N0945215.1. Local number 84-35-25bdbl. Formerly 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 1,244 ft (previously reported 1,242 ft) above msl. MP top of casing, 5.40 ft above lsd (since Jan. 1, 1967). Highest water level 34.55 below lsd, Sept. 8, 1945; lowest 77.68 below lsd, June 14, 1968. Records available: 1939-49, 1952-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 17, 1967	61.25	Mar. 6, 1968	64.15	May 22, 1969	56.08	Oct. 14, 1970	55.74
June 26	63.65	June 14	77.68	July 28	66.78	June 9, 1971	57.55
Dec. 12	56.32	Aug. 30	71.85	Nov. 19	59.86	Nov. 16	57.58
Jan. 17, 1968	69.33	Apr. 1, 1969	59.91	Feb. 6, 1970	56.87		

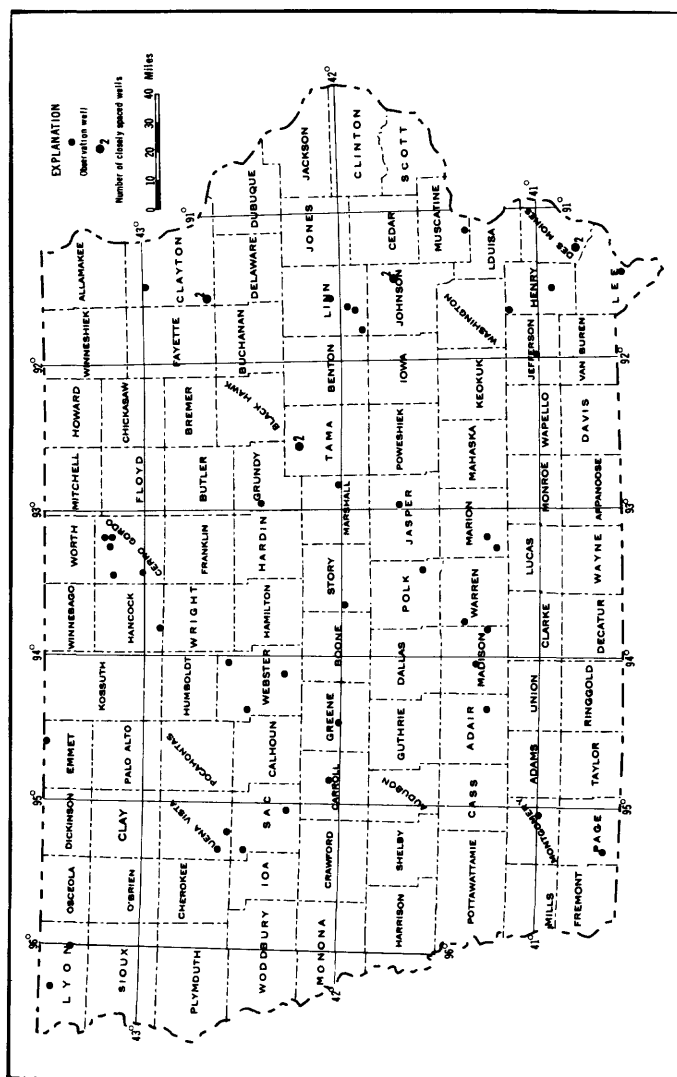


Figure 3.--Location of observation wells in Iowa, 1967-71.

Cerro Gordo County

430442N0952528.1. Local number 95-22-3abbl. Formerly 95-22-3B1. Knut Olson. Drilled domestic and stock artesian well in limestone of Devonian age, diam 4 in, depth 134 ft, casing information not available. 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: 1941-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 19, 1967	23.87	Mar. 5, 1968	22.82	June 26, 1969	21.89	Mar. 3, 1970	22.76
July 11	21.95	Oct. 23	22.67	Sept. 11	22.86	Oct. 13	23.38
Oct. 11	22.73	Mar. 13, 1969	22.98	Nov. 20	22.64	Aug. 25, 1971	23.53

430927N0931142.1. Local number 96-20-3cdbl. Formerly 96-20-3F1. Minneapolis & St. Louis RR. 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: 1941-71. Recording gage removed April 1970. Oct. 12, 1970, 44.61; Aug. 25, 1971, 45.62.

## Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	51.00	51.37	51.40	49.85	49.55	47.56	45.70	47.83	.....	.....	50.95	51.21
10	51.29	51.25	51.04	50.07	49.15	46.53	46.02	.....	.....	.....	50.80	51.20
15	51.33	51.86	51.27	49.64	46.62	45.23	46.56	.....	.....	50.47	51.00	51.20
20	51.24	51.99	50.92	49.38	46.73	45.18	47.00	.....	.....	50.78	50.69	51.08
25	51.47	52.24	51.22	49.50	46.86	45.45	47.22	.....	.....	50.81	51.01	e51.44
Eom	51.07	52.33	50.60	49.15	47.28	45.38	47.60	.....	.....	50.86	51.20	e51.80

1968

5	e52.09	53.29	54.08	.....	.....	.....	.....	49.23	49.25	.....	48.33	49.24
10	e52.40	53.22	54.38	.....	.....	.....	.....	48.30	49.28	.....	48.43	49.66
15	52.70	53.38	54.49	.....	.....	.....	.....	48.12	.....	.....	48.60	.....
20	52.99	53.51	54.57	.....	.....	.....	.....	48.49	.....	.....	48.72	50.31
25	52.83	53.79	54.35	.....	.....	.....	.....	49.70	49.08	.....	47.92	48.83
Eom	53.02	54.07	54.55	.....	.....	.....	.....	49.37	49.08	.....	48.02	49.11

1969

5	.....	.....	.....	.....	43.90	.....	43.07	40.48	43.23	45.34	45.35	46.45
10	.....	.....	.....	.....	44.14	.....	44.84	40.85	43.80	45.49	45.28	46.43
15	.....	.....	.....	.....	.....	.....	44.52	41.74	44.00	45.42	45.67	46.66
20	51.03	.....	.....	.....	.....	.....	43.32	42.25	44.62	45.20	46.09	46.80
25	.....	.....	.....	43.91	.....	.....	42.30	42.77	44.68	45.53	46.20	46.84
Eom	.....	.....	.....	43.90	.....	.....	41.26	43.46	44.80	45.38	45.97	47.08

1970

5	47.30	47.62	.....	46.88	.....	.....	.....	.....	.....	.....	.....	.....
10	47.35	47.83	47.63	47.01	.....	.....	.....	.....	.....	.....	.....	.....
15	47.47	47.63	47.48	47.13	.....	.....	.....	.....	.....	.....	.....	.....
20	47.78	47.24	47.50	47.25	.....	.....	.....	.....	.....	.....	.....	.....
25	47.75	47.71	47.57	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	47.79	47.75	47.36	.....	.....	.....	.....	.....	.....	.....	.....	.....

e Estimated.

430754N0931205.1. Local number 96-20-16daal. Formerly 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 below lsd, Feb. 14, 1963. Records available: 1939-43, 1947-71. Water levels affected by pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 19, 1967	279.59	Oct. 22, 1968	290.79	June 26, 1969	279.79	Oct. 13, 1970	285.79
July 11	282.79	Jan. 30, 1969	290.79	Sept. 11	290.79	June 1, 1971	280.79
Oct. 11	284.79	Mar. 13	290.79	Sept. 2, 1970	290.79	Aug. 26	290.79
Mar. 5, 1968	270.79						

430802N0931640.1. Local number 96-21-13becl. Formerly 96-21-13E1. Mason City & Clear Lake RR. Drilled unused artesian (previously reported water-table) well in dolomite in Cedar Valley Limestone of Devonian age, diam 5 in, depth 198 ft (previously reported 29 ft), casing information not available. Lsd 1,168 ft above msl. MP top of well curb, 2.00 ft above lsd. Highest water level 1.73 below lsd, June 28, 1951; lowest 17.25 below lsd, Nov. 18, 1955. Records available: 1940-71.

Apr. 20, 1967	6.62	Mar. 5, 1968	8.40	June 26, 1969	2.97	Mar. 3, 1970	6.18
July 12	5.78	Oct. 22	7.15	Sept. 11	5.52	Oct. 13	5.75
Oct. 11	7.24	Mar. 11, 1969	8.10	Nov. 20	5.81	Aug. 25, 1971	6.85

430655N0932815.1. Local number 96-22-20ccbl. Formerly 96-22-20L1. Boy Scouts of America. Drilled unused water-table well in glacial drift, diam 5 in, depth 126 ft, casing information not available. 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 44.80 below lsd, Aug. 25, 1971. Records available: 1940-71.

Apr. 19, 1967	40.93	Mar. 5, 1968	41.47	June 26, 1969	38.57	Mar. 3, 1970	39.33
July 11	44.00	Oct. 23	41.85	Sept. 11	40.61	Oct. 13	41.52
Oct. 11	41.10	Mar. 13, 1969	39.95	Nov. 20	39.57	Aug. 25, 1971	44.80

Clayton County

424101N0913200.1. Local number 91-6-22acal. Formerly 91-6-22Q3. 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, 0.08 ft above lsd. Highest water level 3.54 below lsd, May 6, 1960; lowest 10.03 below lsd, Jan. 24, 1965. Records available: 1957-71.

## Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.81	9.39	....	....	7.75	8.60	....	9.00	9.40	....	....	....
10	9.59	....	....	....	8.02	7.10	e8.15	7.89	9.54	6.79	....	....
15	9.62	....	....	....	7.17	7.71	8.50	8.50	8.05	7.28	....	....
20	9.55	....	....	8.10	7.80	8.08	8.75	8.90	....	7.93	....	....
25	9.02	....	....	7.59	8.12	....	8.94	8.97	....	7.13	....	....
Eom	9.20	....	....	7.50	8.40	....	9.10	9.25	....	7.03	....	....

1968

5	....	8.91	9.50	7.34	7.06	....	7.01	4.95	....	7.92	8.40	8.75
10	....	e9.07	9.27	7.68	7.15	....	7.65	5.77	....	6.05	8.49	8.87
15	e8.90	9.19	9.37	6.88	....	....	7.99	6.77	....	7.08	8.10	8.96
20	9.00	e9.23	9.16	6.18	....	....	6.13	7.36	....	7.49	8.15	6.96
25	9.11	9.35	9.13	5.90	....	....	6.40	e7.65	e6.70	....	8.43	8.31
Eom	8.89	9.45	9.07	6.50	....	5.85	6.61	....	7.54	8.19	8.62	....

1969

5	....	....	....	....	....	7.00	....	....	6.07	8.04	7.68	8.65
10	....	....	7.15	....	6.20	6.22	5.86	....	7.57	8.19	7.90	8.72
15	9.08	....	....	....	6.70	6.16	....	8.03	6.86	7.22	8.09	8.74
20	....	e7.85	7.02	....	6.57	6.69	....	8.12	7.82	6.85	8.29	8.76
25	....	7.72	6.94	....	6.26	7.13	....	8.32	7.81	7.46	8.43	8.87
Eom	....	7.34	....	....	6.84	5.85	....	8.50	7.89	7.63	8.53	8.96

1970

5	9.02	8.92	6.87	8.04	8.04	6.11	7.54	7.76	7.42	6.83	7.09	8.02
10	9.12	8.82	7.28	8.07	8.07	6.57	7.85	6.21	6.26	6.88	6.95	8.17
15	9.22	9.02	7.67	7.93	5.40	5.50	7.66	7.13	5.04	7.40	7.22	8.33
20	9.33	8.97	7.99	7.60	6.24	6.24	7.95	7.52	6.14	7.77	7.14	8.35
25	9.37	8.33	7.84	7.61	5.68	6.61	8.21	7.79	5.77	7.62	7.43	8.47
Eom	9.12	8.17	7.85	7.85	5.66	7.10	6.82	8.01	6.20	6.70	7.79	8.62

1971

5	8.69	9.19	7.15	7.01	7.78	7.15	6.85	7.48	8.29	8.57	6.72	7.90
10	8.77	9.25	7.47	7.25	7.71	7.46	6.68	7.77	7.88	8.75	7.53	....
15	8.83	9.28	6.72	7.32	7.93	7.73	5.66	7.99	8.31	8.90	7.75	....
20	....	5.78	6.72	7.35	6.91	5.15	6.05	8.19	8.33	8.88	7.61	....
25	9.11	6.47	6.83	7.62	6.37	5.23	6.64	8.36	8.66	8.89	7.80	6.61
Eom	9.13	6.56	6.77	7.68	6.85	6.25	7.27	8.52	8.42	8.58	7.89	6.88

e Estimated.

424057N0913200.1. Local number 91-6-22accl. Formerly 91-6-22Q2. Town of Strawberry Point, well 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. Lsd 1,219 ft above msl. MP top of recorder platform, 2.10 ft above lsd. Highest water level 120.37 below lsd, Apr. 8, 1971; lowest 133.18 below lsd, Feb. 4, 1968. Records available: 1963-71.

## Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	129.00	128.54	128.98	....	128.40	....	130.90	131.96	....	e132.73	132.76	132.60
10	129.12	....	128.50	....	127.99	....	130.82	132.51	....	132.70	132.15	132.35
15	129.30	....	129.08	....	128.30	....	130.87	....	....	132.45	....	132.60
20	128.85	....	128.55	128.14	128.84	....	131.14	....	....	132.50	132.40	132.45
25	129.05	129.45	128.95	128.49	....	....	131.50	....	....	132.50	131.96	132.35
Eom	128.47	129.45	....	127.65	....	....	131.60	....	....	132.57	132.45	132.40

1968

5	131.77	133.00	132.25	132.50	130.55	130.72	131.17	129.26	128.55	128.14	128.02	128.56
10	132.27	132.69	132.82	131.71	130.46	130.89	131.10	128.62	128.46	128.05	128.12	128.90
15	132.15	132.65	132.94	131.40	130.30	131.45	131.05	128.18	128.36	127.84	128.15	129.26
20	132.56	132.36	132.69	130.77	130.45	131.55	130.06	128.23	128.50	128.20	128.50	128.78
25	132.46	132.62	132.45	130.82	130.62	131.38	129.91	128.32	128.15	128.00	128.43	129.05
Eom	132.77	132.52	132.80	130.35	130.72	131.35	129.28	128.25	128.26	127.78	128.71	129.39

1969

5	129.03	....	127.35	125.28	124.20	124.93	124.03	122.93	124.25	124.91	124.76	125.47
10	129.75	....	127.96	124.97	124.22	124.40	123.73	123.40	124.53	124.78	124.71	125.47
15	129.30	128.03	127.20	124.71	124.60	124.26	123.55	123.55	124.49	125.06	124.89	125.76
20	128.50	128.51	125.95	124.05	125.10	124.40	123.35	123.89	124.59	124.24	125.56	125.85
25	....	128.27	125.60	123.86	124.55	124.13	122.68	124.10	124.66	124.86	125.38	125.95
Eom	....	128.17	125.56	124.09	124.40	124.32	122.68	124.49	124.65	124.48	125.10	126.25

1970

5	125.85	127.08	125.39	123.94	125.01	123.45	124.40	125.42	125.97	124.45	124.68	124.57
10	126.26	126.90	124.10	124.57	125.00	123.55	124.73	125.45	126.22	124.94	124.50	125.15
15	126.27	127.28	124.17	124.35	124.46	123.50	124.71	125.30	125.68	125.50	124.58	125.00
20	126.44	127.77	124.09	123.80	123.82	123.43	125.23	125.62	125.08	125.95	123.95	125.42
25	126.00	127.50	123.86	124.35	123.53	123.33	125.27	125.70	125.13	125.27	123.72	125.20
Eom	126.57	127.12	124.53	124.65	123.58	123.86	125.22	126.28	124.67	125.03	124.00	125.26

424057N0913200.1--Continued.

1971												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	125.63	.....	124.09	121.44	121.96	123.76	124.59	124.42	124.97	125.66	126.10	126.39
10	125.48	126.26	124.19	121.32	122.74	124.19	124.52	123.95	125.04	125.65	126.42	125.80
15	126.13	125.73	123.59	121.02	123.24	124.25	124.07	124.66	125.39	125.90	126.43	125.89
20	125.61	126.29	122.89	121.13	123.43	124.48	123.87	124.78	125.46	126.38	125.96	125.77
25	125.60	124.64	122.39	121.49	123.24	124.43	123.77	124.70	125.48	126.24	126.62	125.94
Eom	.....	125.00	121.06	122.18	123.43	124.51	123.82	124.85	125.65	126.43	126.85	126.00

e Estimated.

425944N0911947.1. Local number 95-4-32ddd1. Formerly 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 126.56 below lsd, Jan. 13, 1969. Records available: 1957-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 18, 1967	119.16	June 28, 1968	124.62	June 25, 1969	120.65	Oct. 12, 1970	114.09
July 10	120.02	Sept. 26	125.76	Nov. 12	115.30	Jan. 22, 1971	123.95
Oct. 10	121.40	Jan. 13, 1969	126.56	Mar. 2, 1970	114.44	Nov. 4	105.35
Mar. 4, 1968	123.01						

Des Moines County

404544N0911427.1. Local number 69-3-6aabal. Formerly 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. 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 187.45 below lsd, Dec. 5, 1971. Records available: 1950-71.

## Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	181.13	180.97	180.40	.....	.....	180.66	180.90	181.16	181.81	181.53	181.16	180.62
10	181.16	180.62	180.29	.....	e180.20	180.40	181.30	181.25	181.76	181.45	180.89	180.42
15	180.94	180.35	180.89	.....	180.25	180.47	181.07	181.21	181.60	181.25	181.15	181.03
20	183.15	180.84	180.28	.....	180.66	180.61	180.95	181.10	181.37	181.25	180.73	180.50
25	183.70	181.13	.....	.....	180.35	180.70	181.25	181.25	181.49	181.09	180.28	180.54
Eom	181.65	180.76	.....	.....	180.57	180.55	181.37	181.78	181.54	181.09	180.73	180.80

1968

5	181.57	180.71	180.22	.....	.....	180.65	.....	.....	183.13	182.65	182.20	182.11
10	e180.75	180.38	180.46	e180.40	180.71	.....	.....	182.44	183.02	182.57	182.18	182.47
15	180.65	180.43	180.62	180.52	180.39	.....	.....	182.43	182.95	182.32	182.14	182.62
20	180.65	180.35	180.65	180.01	180.81	.....	181.90	182.75	183.13	182.47	182.42	182.35
25	180.43	180.59	180.40	180.40	e181.00	.....	181.92	183.04	182.97	182.32	182.41	182.51
Eom	180.32	180.60	180.53	180.45	.....	.....	181.98	182.98	182.85	182.16	182.51	.....

1969

5	.....	.....	.....	.....	182.23	e182.38	182.65	182.75	182.91	183.05	182.63	.....
10	.....	.....	182.26	e182.23	182.04	182.46	.....	.....	183.20	182.72	.....	.....
15	.....	.....	e182.50	182.20	182.38	182.81	182.77	.....	182.97	182.77	.....	.....
20	.....	.....	181.58	182.32	182.52	182.69	182.73	.....	183.30	182.71	.....	.....
25	.....	.....	.....	182.13	182.46	182.49	.....	.....	182.97	182.94	.....	.....
Eom	.....	.....	.....	182.37	182.25	182.60	182.72	.....	182.91	182.57	.....	.....

1970

5	.....	.....	.....	183.12	183.43	183.72	e184.00	.....	.....	.....	.....	.....
10	.....	.....	.....	183.19	183.27	183.70	e184.24	.....	.....	184.63	.....	.....
15	.....	.....	.....	183.14	183.38	183.80	.....	.....	.....	184.74	.....	.....
20	.....	.....	.....	182.98	183.70	e183.80	.....	.....	.....	.....	.....	.....
25	.....	.....	.....	183.15	183.59	183.83	.....	.....	.....	184.73	.....	.....
Eom	.....	.....	.....	183.17	183.69	183.95	.....	.....	.....	184.65	.....	.....

1971

5	.....	.....	184.54	185.22	185.06	185.98	186.30	186.79	e187.15	.....	187.07	187.45
10	.....	.....	184.61	185.22	185.29	186.02	.....	186.60	e187.24	.....	.....	.....
15	.....	184.60	184.51	185.09	185.25	185.95	.....	186.80	.....	.....	.....	.....
20	.....	184.55	184.71	185.02	185.37	186.03	186.76	186.86	e188.10	.....	.....	.....
25	.....	184.50	185.05	185.16	185.40	186.01	186.64	186.97	.....	.....	.....	.....
Eom	.....	.....	184.85	185.22	185.90	186.10	186.71	e187.19	.....	187.27	.....	.....

e Estimated.

404753N0911425.1. Local number 69-3-6ddcd1. Formerly 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. 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: 1950-71.

## Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	78.55	78.35	78.52	78.46	78.75	78.46	78.22	.....	.....	78.33	78.30	.....
10	78.52	78.55	78.50	78.58	78.42	78.18	.....	.....	.....	78.26	78.17	.....
15	78.55	78.30	78.68	78.40	78.47	78.15	.....	78.25	.....	78.22	.....	.....
20	78.84	78.62	78.59	78.62	78.58	78.14	.....	.....	e78.30	78.32	.....	.....
25	78.96	78.92	78.50	78.70	78.37	78.19	.....	.....	78.37	78.10	.....	.....
Eom	78.88	78.73	78.51	78.32	78.41	78.08	.....	.....	78.35	78.10	.....	.....

404753N0911425.1--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	77.94	.....	.....	77.09
10	.....	.....	.....	.....	.....	.....	.....	77.70	77.92	.....	.....	77.60
15	.....	.....	.....	e77.48	.....	.....	.....	77.69	77.95	.....	.....	77.63
20	.....	.....	.....	.....	.....	.....	77.68	77.76	77.88	.....	.....	77.28
25	.....	.....	.....	.....	.....	.....	77.32	77.92	77.90	.....	.....	77.60
Eom	.....	.....	.....	.....	.....	.....	.....	77.98	78.06	.....	.....	77.62
1969												
5	77.64	77.60	77.84	77.88	77.90	77.80	.....	78.15	78.33	78.42	78.35	78.40
10	77.63	77.65	77.68	77.91	77.90	77.95	.....	78.15	78.45	78.21	.....	78.10
15	77.70	77.79	77.98	77.91	77.91	77.98	78.06	78.15	78.34	78.44	.....	78.30
20	77.62	77.90	77.79	77.90	77.89	77.79	78.10	78.20	78.63	78.27	.....	78.34
25	77.65	77.78	77.83	77.91	77.93	77.87	78.06	78.35	78.52	78.54	.....	78.06
Eom	77.65	77.74	78.20	77.95	77.90	77.91	78.15	78.42	78.52	78.41	.....	77.99
1970												
5	78.09	77.94	.....	77.72	77.65	77.48	77.56	.....	.....	77.81	77.95	.....
10	78.12	77.93	.....	e77.60	77.30	77.47	77.51	.....	.....	77.76	e77.85	.....
15	78.05	77.90	.....	77.60	77.47	77.46	.....	.....	.....	78.12	78.00	.....
20	78.15	77.95	.....	77.35	77.60	77.47	.....	.....	.....	78.08	e77.95	.....
25	77.99	.....	.....	77.50	77.47	77.48	.....	.....	77.96	77.94	.....	.....
Eom	78.02	.....	.....	77.36	77.48	77.50	.....	.....	77.88	77.94	.....	.....
1971												
5	.....	.....	76.91	76.71	76.75	77.12	.....	.....	.....	.....	78.49	.....
10	.....	.....	.....	76.70	76.73	77.14	77.66	.....	.....	.....	78.72	.....
15	.....	76.83	.....	76.74	76.74	77.26	.....	.....	.....	.....	78.49	.....
20	.....	.....	76.75	76.75	76.67	77.13	.....	e78.38	.....	.....	78.37	.....
25	.....	76.92	76.90	76.75	76.52	77.14	77.62	.....	78.53	.....	78.63	.....
Eom	.....	76.92	76.59	76.75	77.26	.....	.....	.....	.....	78.48	78.58	.....

e Estimated.

Emmet County

432927N0943455.1. Local number 100-32-1ldddd. Formerly 100-32-11R1. Okamapedan Lake Reserve State Park. Drilled public-supply artesian well in Dakota Sandstone of Early Cretaceous age, diam 6 in, depth 277 ft, casing information not available. Lsd 1,233 ft above msl. MP plug in pump-base, 0.61 ft above lsd. Highest water level 59.60 below lsd, Dec. 19, 1946; lowest 70.27 below lsd, Oct. 13, 1970. Records available: 1939-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 17, 1967	69.91	June 12, 1968	70.12	Sept. 11, 1969	70.06	Oct. 13, 1970	70.27
June 22	69.22	Mar. 13, 1969	69.92	Nov. 20	70.24	Aug. 25, 1971	70.14
Dec. 13	69.97	May 20	69.87	Mar. 3, 1970	69.79	Nov. 17	69.98
Mar. 5, 1968	69.74						

Greene County

420051N0942233.1. Local number 83-30-8cbb1. Formerly 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 0-1,795. 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 90.92 below lsd, Nov. 16, 1971. Records available: 1960-71.

Mar. 14, 1967	81.52	Mar. 6, 1968	83.73	May 22, 1969	87.09	Oct. 14, 1970	88.66
June 26	81.42	June 14	84.36	July 28	87.43	June 9, 1971	90.05
Dec. 12	82.50	Nov. 5	85.20	Nov. 19	88.34	Nov. 16	90.92
Jan. 17, 1968	83.12	Apr. 1, 1969	86.05	Apr. 8, 1970	87.60		

Grundy County

422605N0925600.1. Local number 88-18-15dbb1. Formerly 88-18-15K1. Town of Wellsburg. Drilled public-emergency-supply artesian well in English River Saltstone, 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 38.51 below lsd, Nov. 21, 1969; lowest 96.81 below lsd, Sept. 27, 1960. Records available: 1960-71.

Feb. 14, 1967	40.30	Dec. 14, 1967	41.02	Mar. 11, 1969	39.01	Mar. 6, 1970	39.28
Apr. 20	40.50	Jan. 30, 1968	40.39	Apr. 22	39.09	Oct. 15	45.50
July 12	40.75	July 25	40.39	Sept. 10	38.83	Aug. 26, 1971	39.52
Oct. 12	40.35	Oct. 21	39.77	Nov. 21	38.51		



Grundy County, Missouri

400418N0933714.1. Local number 61-24-20acal. Formerly 61-24-20G1. Marvin Little. 105 East Fourth St., Trenton. 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: 1942-71. Measurements for 1942-66 published with Missouri.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14, 1967	11.90	Feb. 15, 1968	6.00	Mar. 15, 1969	10.35	Apr. 13, 1970	8.25
28	11.95	26	6.00	25	10.10	27	8.00
Feb. 15	12.00	Mar. 15	6.05	Apr. 15	9.40	May 17	6.90
25	12.00	28	6.05	23	7.30	25	6.90
Mar. 18	12.05	Apr. 15	6.02	May 16	6.40	June 14	7.20
27	12.00	25	3.90	26	6.40	July 18	9.60
Apr. 19	9.90	May 17	4.70	June 15	7.20	27	10.30
27	9.80	June 15	8.20	23	3.90	Aug. 15	10.70
May 17	9.70	July 15	10.90	25	5.00	30	10.70
26	9.70	24	10.20	Aug. 18	6.50	Sept. 15	10.70
June 19	5.50	Aug. 18	10.20	27	9.00	27	6.80
29	6.10	Sept. 15	10.90	Sept. 15	8.60	Oct. 26	7.40
July 16	7.00	28	10.70	Oct. 15	9.10	Nov. 26	7.60
20	7.20	Oct. 15	10.10	25	9.20	Dec. 19	7.40
Aug. 16	9.40	25	11.90	Nov. 15	9.40	25	7.25
21	9.50	Nov. 16	11.10	Dec. 25	9.25	Jan. 15, 1971	7.90
Sept. 15	10.15	Dec. 17	11.91	Jan. 15, 1970	9.20	24	6.90
23	10.20	27	11.01	28	9.10	Feb. 14	6.50
Oct. 24	9.40	Jan. 15, 1969	11.00	Feb. 15	9.05	21	6.50
Nov. 25	6.50	25	11.90	19	9.07	Mar. 14	4.80
Dec. 16	6.70	Feb. 15	10.70	Mar. 14	8.85	27	4.30
27	6.50	20	10.70	26	8.70	Apr. 17	5.96
Jan. 15, 1968	6.70					Nov. 18	10.40
26	6.30						

Hancock County

425447N0934721.1. Local number 94-25-34cbb1. Formerly 94-25-34M1. Clarion-Webster Experimental Farm. Bored unused water-table well in glacial drift, diam 3 in, depth 18 ft (previously reported 17.77 ft), cased with downspout all the way. Lsd 1,197 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 3.13 below lsd, June 3, 1965; lowest 11.60 below lsd, Mar. 5, 1968. Records available: 1960-71.

Apr. 19, 1967	9.90	Mar. 5, 1968	11.60	June 26, 1969	3.18	Oct. 13, 1970	9.64
July 11	4.38	July 25	5.80	Sept. 11	6.87	Aug. 25, 1971	6.63
Oct. 12	10.15	Nov. 6	4.29	Nov. 20	7.77	Nov. 17	6.15
Jan. 16, 1968	11.18	Mar. 13, 1969	5.39	Mar. 3, 1970	6.40		

Henry County

405810N0913305.2. Local number 71-6-9aba2. Formerly 71-6-9B2. City of Mount Pleasant, well 4. Drilled municipal artesian well in Jordan Sandstone 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 132.00 below lsd, May 5, 1946; lowest 190.00 below lsd, June 6, 1968. Records available: 1946-50, 1953-57, 1959-71 (previously reported 1945-66). (1956-61 records not previously published; no measurement made in 1958.) Water levels affected by pumping.

July 17, 1956	a172.20	Apr. 13, 1961	166.72	June 6, 1968	190.00	Feb. 13, 1970	a192.00
Mar. 20, 1957	a173.75	Mar. 22, 1967	a226.95	Aug. 8	a190.00	Oct. 6	175.00
May 15, 1959	163.75	May 11	a226.85	Nov. 14	171.65	Feb. 12, 1971	a192.00
15	a196.75	Aug. 25	a225.55	June 10, 1969	175.00	Oct. 28	178.00
Sept. 19, 1960	182.39	Feb. 6, 1968	a174.00	Oct. 9	172.00		

a Well being pumped.

410848N0913948.1. Local number 73-7-9aab1. Formerly 73-7-9A1. Town of Wayland. Dug unused water-table well in glacial drift, diam 4 ft, depth 52 ft, casing information not available. 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: 1960-71.

Feb. 7, 1967	8.37	Apr. 12, 1968	6.41	Nov. 14, 1968	7.54	Feb. 13, 1970	8.47
Mar. 22	8.17	June 6	6.66	Apr. 11, 1969	3.89	Oct. 6	6.28
May 11	5.26	Aug. 8	6.23	June 10	4.41	Feb. 12, 1971	8.59
Aug. 25	8.57	Sept. 20	3.42	Oct. 9	9.78	Oct. 28	9.68
Feb. 6, 1968	6.53						

Jasper County

414205N0925920.1. Local number 80-18-31abbl. Formerly 80-18-31C1. P. W. Beukema. Dug stock water-table well in glacial drift, diam 36 in, depth 37 ft, cribbed with brick. Lsd 937 ft above msl. MP top of cement platform, 0.70 ft above lsd (since Apr. 1, 1970). Highest water level 2.67 below lsd, June 10, 1947; lowest 27.15 below lsd, Dec. 18, 1948. Records available: 1940-71.

Apr. 25, 1967	19.35	Dec. 12, 1968	22.07	Nov. 18, 1969	14.18	Oct. 15, 1970	5.99
Mar. 12, 1968	24.45	Apr. 2, 1969	19.03	Apr. 7, 1970	11.30	June 9, 1971	11.61
June 25	24.61	June 2	13.78	July 22	11.70	Nov. 15	15.02
Aug. 15	20.25	July 28	7.75				

Jefferson County

410101N0915720.1. Local number 72-10-24dcd1. Formerly 72-10-24Q1. City of Fairfield, well 3. Drilled public-emergency-supply (previously reported unused) artesian well in glacial sand and gravel, diam 6 in, depth 191 ft, cased. Lsd 738 ft above msl. MP top of vent pipe, 1.66 ft above lsd (since Aug. 1, 1968). Highest water level 31.90 below lsd, Feb. 12, 1971; lowest 87.13 below lsd, Feb. 15, 1958. Records available: 1958-71. Recording gage removed Jan. 11, 1967; pump installed. Water levels affected by nearby pumping wells.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1967	32.80	Apr. 12, 1968	34.55	Apr. 11, 1969	33.19	Feb. 13, 1970	32.37
Feb. 21	35.70	June 6	33.05	June 10	33.98	Feb. 12, 1971	31.90
Mar. 22	35.97	Aug. 8	34.93	Oct. 9	32.64	Oct. 28	32.34
Apr. 7	40.59	Nov. 14	39.85				

Johnson County

414315N0912520.1. Local number 80-5-22cbb1. Formerly 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. Lsd 753 ft above msl. MP top of cement cover (previously reported 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 to Dec. 31, 1964. Records available: 1941-56, 1958-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1967	18.25	July 22, 1968	13.24	Sept. 25, 1969	13.20	Oct. 4, 1970	9.04
Feb. 28	18.07	Aug. 23	15.85	Oct. 24	13.46	Dec. 21	8.03
May 10	11.66	Sept. 20	15.37	Nov. 24	14.43	Feb. 19, 1971	8.05
June 29	10.98	Feb. 24, 1969	12.21	Dec. 22	15.75	Mar. 22	9.46
Dec. 27	10.83	Mar. 24	11.43	Mar. 15, 1970	10.15	Apr. 21	10.58
Feb. 9, 1968	11.07	May 1	8.93	Apr. 22	6.00	May 19	11.62
Mar. 25	11.07	June 23	9.64	May 22	6.55	July 14	15.20
Apr. 25	7.90	July 24	6.34	June 23	9.23	Sept. 23	17.38
May 22	11.22	Aug. 8	9.49	Aug. 21	12.10	Dec. 21	6.10
June 21	12.15	28	11.02				

414315N0912520.2. Local number 80-5-22cbb2. Formerly 80-5-22M2. Chicago, Rock Island & Pacific RR. Co. Drilled unused artesian well in limestone of Devonian age, diam 5 in, depth 82 ft, cased. Lsd 753 ft above msl. MP top of cement cover (previously reported base of recorder shelter), 0.30 ft above lsd. Highest water level 8.15 below lsd, Apr. 22, 1952; lowest 21.05 below lsd, Sept. 26, 1957. Records available: 1941-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1967	17.79	July 22, 1968	16.38	Sept. 25, 1969	15.73	Oct. 4, 1970	13.85
Feb. 28	17.93	Aug. 23	17.05	Oct. 24	15.75	Dec. 21	13.10
May 10	16.13	Sept. 20	16.32	Nov. 24	16.20	Feb. 19, 1971	13.35
June 29	15.95	Feb. 24, 1969	15.70	Dec. 22	16.29	Mar. 22	14.12
Dec. 27	15.24	Mar. 24	14.83	Mar. 15, 1970	14.43	Apr. 21	14.65
Feb. 9, 1968	15.38	May 1	14.70	Apr. 22	13.05	May 19	15.18
Mar. 25	15.33	June 23	14.99	May 22	13.49	July 14	15.95
Apr. 25	14.22	July 24	13.64	June 23	13.46	Sept. 23	17.70
May 22	15.71	Aug. 8	14.32	Aug. 21	15.25	Dec. 21	14.71
June 21	16.01	28	15.13				

Lee County

403609N0912408.1. Local number 67-5-14caa1. Formerly 67-5-14L1. U.S. Geol. Survey. Driven observation water-table well in alluvial sand, diam 14 in, depth 13 ft, screened 11-13. Lsd 529 ft above msl. MP top of pipe, 2.40 ft above lsd. Highest water level 5.53 below lsd, Oct. 6, 1970; lowest 10.63 below lsd, Sept. 21, 1964. Records available: 1950-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 21, 1967	8.58	June 5, 1968	8.59	Apr. 11, 1969	7.19	Oct. 6, 1970	5.53
May 11	6.93	Aug. 8	8.97	June 10	7.42	Feb. 12, 1971	7.45
Aug. 25	8.11	Nov. 14	9.43	Oct. 9	8.19	July 19	7.74
Sept. 21	8.76	Jan. 23, 1969	7.67	Feb. 12, 1970	7.89	Oct. 27	8.24
Feb. 5, 1968	8.38						

Linn County

415422N0914226.1. Local number 82-7-18odd1. Formerly 82-7-18P2. Lester Petrak. Formerly Joseph Cerveny, Sr. Dug unused water-table well in glacial drift, diam 4 ft, depth 14 ft, cribbed with brick. Lsd 835 ft (previously reported 820 ft) above msl. MP base of recorder shelter, 0.08 ft above lsd. Highest water level 1.09 below lsd, Aug. 4, 1968; lowest 11.18 below lsd, Mar. 7, 1964. Records available: 1959-71.

Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	10.10	9.93	7.69	4.32	6.31	.....	6.42	5.28	4.85	3.93	5.10
10	.....	10.21	10.04	7.61	4.71	3.05	66.10	4.00	5.57	4.12	4.43	5.12
15	.....	9.86	10.22	5.01	4.96	.....	6.52	4.85	3.12	4.40	4.68	5.22
20	.....	9.77	9.77	5.11	5.26	.....	6.86	4.00	4.06	4.46	4.79	5.15
25	e10.45	9.87	8.93	4.19	5.48	.....	7.04	4.51	4.44	4.18	4.84	5.16
Eom	10.11	9.90	8.10	4.48	5.95	.....	6.82	5.04	4.58	3.55	5.00	5.27

415422N0914226.1--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.29	5.90	6.89	6.50	4.78	5.33	5.33	3.00	6.84	6.29	7.17	8.14
10	e5.49	6.06	6.92	4.98	4.85	5.52	5.65	4.93	6.97	5.70	7.39	8.34
15	5.72	6.25	7.06	4.87	4.95	5.35	6.00	5.92	7.23	5.78	7.57	e8.51
20	5.64	6.43	7.03	3.50	5.14	5.57	6.25	5.58	6.35	6.17	e7.66	e8.21
25	5.81	6.66	6.86	4.15	5.30	5.55	6.52	6.13	5.98	6.49	7.86	8.25
Eom	6.07	6.77	6.86	4.51	5.20	4.94	6.67	6.58	5.94	6.88	8.01	7.96

1969												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.27	7.23	5.72	3.18	4.85	5.41	4.74	4.98	6.28	7.80	7.96	....
10	8.40	7.70	6.04	4.07	4.52	4.02	3.94	5.22	6.69	8.00	8.15	....
15	8.78	8.00	6.42	4.41	4.78	....	4.72	5.44	6.84	7.63	8.30	....
20	6.84	7.60	6.35	3.88	4.99	....	3.95	5.12	7.18	7.55	8.47	....
25	....	6.49	6.18	4.47	4.93	4.70	4.08	5.43	7.41	7.75	8.61	9.38
Eom	6.60	6.30	5.41	4.67	5.23	3.85	4.71	5.96	7.69	....	....	9.51

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	8.82	4.30	....	4.79	4.88	5.12	4.42	6.53	4.90	5.59	6.28
10	....	8.70	4.69	....	4.92	5.13	5.44	4.83	6.26	4.97	5.60	6.50
15	....	8.72	4.81	....	3.44	3.67	5.52	5.35	5.50	5.30	5.70	6.36
20	....	8.17	4.83	....	4.45	4.62	5.42	5.67	4.33	5.52	5.67	5.27
25	9.86	7.55	....	4.22	4.62	4.93	5.89	6.07	4.54	5.45	5.85	5.10
Eom	....	7.51	....	4.56	4.83	5.16	4.67	6.61	4.47	5.42	6.06	5.51

1971												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.92	7.34	4.90	5.52	6.25	7.42	8.98	8.98	10.06	10.49	6.62	9.45
10	6.25	7.60	5.36	5.79	6.64	....	9.20	9.32	9.74	10.62	8.53	9.23
15	6.64	7.76	4.94	5.00	6.89	8.19	8.88	9.56	9.98	10.73	8.71	8.32
20	6.85	3.55	4.91	6.02	6.66	8.40	8.78	9.75	10.08	10.80	8.92	5.60
25	7.02	4.96	5.00	6.26	7.04	8.58	8.96	9.94	10.22	10.62	9.21	5.94
Eom	7.24	4.36	5.14	5.93	7.35	8.87	8.48	10.17	10.34	10.49	9.30	5.92

e Estimated.

415816N0913934.1. Local number 83-7-28add1. Formerly 83-7-28H1. Collins Radio. Drilled unused artesian well in limestone of Silurian age, diam 10 in, depth 420 ft, cased to 75. Lsd 735 ft above msl. MP top of well cover, 5.15 ft below lsd. Highest water level 51.10 below lsd, Feb. 25, 1963; lowest 91.12 below lsd, July 27, 1966. Records available: 1962-71.

Water level at noon, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	70.84	68.07	66.35	64.75	68.80	77.90	84.71	....	82.71	e81.91	76.21	74.60
10	72.07	68.60	66.75	65.35	69.58	78.60	84.00	....	83.85	81.53	76.85	72.70
15	68.45	67.55	67.55	64.30	71.65	82.15	84.00	....	84.00	73.35	76.21	74.00
20	68.85	67.10	66.40	64.27	73.28	81.59	85.30	....	83.20	79.10	....	73.38
25	69.40	67.81	67.18	67.92	74.20	81.30	....	....	83.21	78.25	....	71.78
Eom	70.90	69.00	63.40	64.56	77.19	82.90	....	85.40	81.86	78.05	74.95	71.64

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	71.59	71.28	71.01	71.92	73.32	76.61	79.30	....	79.00	74.80	70.31	67.30
10	71.32	70.72	70.80	71.30	74.38	79.93	80.00	....	77.90	73.72	....	67.13
15	72.05	71.23	71.32	71.45	73.52	80.25	80.25	....	e77.90	72.60	69.75	67.37
20	70.20	71.47	71.40	71.30	74.58	81.63	80.60	....	....	71.98	69.01	67.78
25	70.03	70.77	70.31	72.08	75.10	81.50	81.49	80.92	76.41	70.76	68.85	67.40
Eom	70.39	71.45	70.66	73.35	74.80	79.20	83.27	79.46	75.55	70.13	68.90	67.35

1969												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	65.88	63.32	64.22	62.68	67.34	....	76.60	....	80.39	77.99	72.33	70.31
10	66.50	63.12	64.47	62.65	68.55	....	77.05	....	80.19	77.30	72.40	70.06
15	66.12	63.40	65.25	62.82	68.72	....	....	....	79.60	76.21	72.03	68.25
20	64.69	63.91	65.50	64.60	69.75	....	....	....	79.30	74.55	72.54	67.83
25	64.29	63.79	65.59	....	69.00	73.05	77.13	79.14	78.22	74.79	71.50	67.10
Eom	63.97	63.82	e63.70	....	70.96	76.65	....	80.62	78.25	73.20	69.85	66.38

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	67.58	68.30	71.28	71.37	74.20	82.00	84.80	87.48	87.90	83.13	80.66	78.30
10	67.31	67.58	71.42	71.78	74.48	83.35	85.68	86.52	88.78	84.09	80.58	79.21
15	68.59	68.13	72.88	70.81	75.58	83.29	85.95	87.30	86.95	83.86	78.75	75.93
20	68.80	69.56	71.95	70.70	76.65	83.19	86.10	87.74	84.20	83.04	78.25	74.90
25	67.46	70.39	71.46	70.33	77.59	85.02	85.99	87.89	85.88	82.41	77.62	73.20
Eom	67.23	71.00	71.62	74.27	80.81	85.17	87.55	87.92	85.28	81.17	75.79	74.00

1971												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	73.71	73.80	74.25	71.67	72.85	78.04	84.80	87.87	89.21	88.49	83.65	80.20
10	73.22	72.71	73.60	72.23	72.05	79.44	85.61	87.93	89.75	86.51	82.08	81.00
15	75.82	72.41	72.82	73.16	73.11	80.91	85.61	88.15	89.71	86.21	82.66	79.85
20	75.12	72.65	73.70	72.69	75.77	81.54	86.11	88.51	88.75	85.60	82.40	76.36
25	73.51	74.42	73.00	71.70	75.15	83.12	87.59	88.60	87.67	85.04	82.01	74.75
Eom	73.93	72.50	71.41	72.10	74.52	84.61	88.15	88.00	88.56	84.65	82.20	76.38

e Estimated.

415725N0914104.1. Local number 83-7-32acc1. Formerly 83-7-32G1. Floyd Felter. 22d Ave. SW. and 11th St. SW., Cedar Rapids. Drilled unused artesian well in limestone of Silurian age, diam 5 in, depth 282 ft, cased. Lsd 805 ft above msl. MP plug in well cover, at lsd. Highest water level 75.88 below lsd, Jan. 26, 1942; lowest 100.99 below lsd, Sept. 23, 1971. Records available: 1940-71.

415725N0914104.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 29, 1967	97.04	June 23, 1969	94.21	Apr. 22, 1970	94.23	Feb. 19, 1971	94.96
May 26	96.90	July 24	94.27	May 22	96.25	Mar. 22	94.15
Aug. 28	97.08	Aug. 21	94.94	June 23	96.00	Apr. 21	94.15
Nov. 27	93.64	Sept. 25	92.40	July 23	94.72	May 19	91.61
Feb. 26, 1968	95.00	Oct. 24	95.13	Aug. 21	95.70	June 23	97.48
May 22	97.24	Nov. 24	95.88	Sept. 21	94.43	July 20	100.33
Aug. 23	97.84	Dec. 22	96.81	Oct. 21	97.30	Sept. 23	100.99
Mar. 24, 1969	97.03	Jan. 23, 1970	97.01	Nov. 24	95.93	Oct. 19	99.56
Apr. 24	94.86	Feb. 23	95.95	Dec. 21	94.52	Dec. 21	97.50
May 26	92.26	Mar. 23	97.26	Jan. 20, 1971	94.02		

420526N0913707.1. Local number 84-7-13bcb1. Formerly 84-7-13E2. U.S. Geol. Survey. Drilled observation water-table well in glacial drift, diam 14 in, depth 17 ft, screened 15-17. Lsd 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: 1940-71.

Jan. 26, 1967	8.11	Apr. 25, 1968	2.03	July 24, 1969	2.45	Oct. 21, 1970	4.89
Feb. 28	8.60	May 22	1.62	Aug. 21	4.55	Nov. 24	4.25
Mar. 29	4.70	June 21	4.37	Sept. 25	5.42	Dec. 21	4.03
Apr. 27	3.61	July 22	5.04	Oct. 24	4.62	Jan. 20, 1971	4.79
May 26	4.38	Aug. 23	4.53	Nov. 24	4.94	Feb. 19	3.50
June 29	4.05	Sept. 23	3.60	Dec. 22	5.13	Mar. 22	2.25
July 24	5.72	Oct. 24	4.47	Jan. 23, 1970	5.45	Apr. 21	2.89
Aug. 28	5.15	Nov. 25	4.92	Feb. 23	3.89	May 19	2.98
Sept. 28	3.76	Dec. 23	4.56	Mar. 23	3.34	June 23	3.44
Oct. 25	3.21	Jan. 24, 1969	3.52	Apr. 22	2.23	July 20	3.47
Nov. 27	3.14	Feb. 24	3.06	May 22	3.02	Aug. 25	6.34
Dec. 27	3.13	Mar. 24	2.02	June 23	3.07	Sept. 23	6.69
Jan. 25, 1968	3.60	Apr. 24	2.28	July 23	4.82	Oct. 19	7.55
Feb. 26	4.32	May 26	2.95	Aug. 21	5.47	Nov. 22	5.23
Mar. 25	3.55	June 23	2.40	Sept. 21	4.52	Dec. 21	3.30

Lyon County

432140N0955953.1. Local number 99-44-26ddd1. Formerly 99-44-26R1. State of Iowa. Drilled unused water-table well in glacial drift, diam 20 in, depth 38 ft, lined with tile. Lsd 1,400 ft above msl. MP plug top of well cover (previously reported 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, 1947-71.

Mar. 16, 1967	3.03	June 11, 1968	5.27	Sept. 6, 1969	2.04	Jan. 30, 1971	4.26
June 23	1.51	Aug. 28	7.10	Nov. 14	2.52	Aug. 24	4.27
Dec. 13	6.25	Mar. 3, 1969	3.39	Feb. 7, 1970	3.29	Nov. 18	1.22
Apr. 15, 1968	5.55	May 20	1.69	Aug. 3	4.03		

432549N0961111.1. Local number 99-45-5ab1. Formerly 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. Lsd 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 111.63 below lsd, Nov. 18, 1971. Records available: 1960-71.

Mar. 16, 1967	107.07	June 11, 1968	108.26	Sept. 6, 1969	109.56	Jan. 30, 1971	110.66
June 23	106.90	Aug. 28	108.92	Nov. 14	109.61	Aug. 24	111.58
Dec. 13	108.10	Mar. 3, 1969	108.67	Feb. 7, 1970	109.83	Nov. 18	111.63
Apr. 15, 1968	108.11	May 20	109.09	Aug. 3	110.57		

Madison County

411725N0934836.1. Local number 75-26-23aaaal. Town of St. Charles, No. 1. Drilled unused artesian well in limestone of Mississippian age, diam 10 in, depth 1,058 ft, cased 0-657. Lsd 1,067 ft above msl. MP plug in well cover, 1.20 ft above lsd (since Jan. 1, 1971). Highest water level 261.62 below lsd, Nov. 20, 1962; lowest 266.47 below lsd, Sept. 4, 1970. Records available: 1962-71. Recording gage removed October 1969. Apr. 7, 1970, 265.22; Sept. 4, 266.47; June 8, 1971, 265.50; Nov. 15, 265.73.

Water level at noon, from recorder graph, 1962

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	262.15	261.98
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	262.06	262.10
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	261.90	261.97
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	261.76	262.25
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	262.34	262.19
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	262.27	262.33

1963

5	262.22	262.12	.....	262.31	262.26	262.11	262.26	262.38	262.29	e262.35	262.25	262.49
10	261.82	262.09	.....	262.27	262.05	261.95	262.28	262.27	262.22	262.32	262.47	262.62
15	262.30	.....	.....	262.27	262.02	262.25	262.23	262.33	262.30	262.42	262.49	262.83
20	262.30	.....	.....	262.24	262.13	262.28	262.27	262.30	262.25	262.41	262.38	262.77
25	262.34	.....	.....	262.27	262.25	262.41	262.27	262.22	262.32	262.42	262.53	262.27
Eom	262.20	.....	262.03	262.24	262.22	262.23	262.26	262.34	262.35	262.36	262.52	262.75

411725N0934836.1--Continued.

1964												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	262.42	262.20	262.37	262.22	262.35	262.63	262.58	.....	262.83	263.02	263.22	263.12
10	262.63	262.54	.....	262.57	262.58	262.77	262.67	.....	262.65	263.03	262.76	262.76
15	262.54	262.34	.....	262.58	262.55	262.52	262.52	.....	262.85	262.82	262.94	262.74
20	262.28	262.67	262.35	262.41	262.76	262.48	262.66	262.60	262.67	262.84	262.66	263.05
25	262.27	262.48	262.50	262.48	262.68	262.71	.....	262.85	262.63	262.92	262.61	262.57
Eom	262.51	262.37	262.53	262.40	262.68	262.66	.....	262.84	262.86	262.93	263.28	263.16
1965												
5	.....	262.74	.....	262.87	262.80	262.90	263.12	263.34	263.63	263.42	.....	263.63
10	.....	262.91	.....	262.59	263.08	263.17	263.30	263.52	263.54	263.23	.....	263.76
15	262.97	263.07	.....	262.93	262.82	263.16	263.22	263.43	263.27	263.28	.....	.....
20	262.98	262.67	263.22	263.01	263.14	262.98	263.26	263.48	263.47	.....	263.63	263.75
25	262.52	.....	263.14	262.86	262.90	263.25	263.42	263.32	263.32	.....	.....	263.76
Eom	262.50	.....	263.09	263.05	262.96	263.34	263.33	263.36	263.19	.....	263.33	263.78
1966												
5	.....	263.82	263.29	263.70	263.95	263.54	.....	.....	263.96	.....	.....	263.98
10	.....	263.83	263.76	.....	263.93	263.66	.....	.....	264.20	.....	.....	264.36
15	263.40	.....	.....	263.76	.....	263.57	.....	263.90	.....	.....	.....	264.07
20	.....	.....	263.76	263.76	.....	263.65	.....	263.90	.....	.....	264.18	263.90
25	.....	263.42	263.72	263.83	263.90	263.65	.....	264.05	.....	.....	264.07	264.23
Eom	.....	263.31	263.72	263.83	.....	263.77	.....	263.98	.....	.....	264.23	263.87
1967												
5	.....	264.00	.....	.....	264.38	.....	.....	.....	264.71	264.61	.....	.....
10	.....	263.72	.....	.....	264.33	.....	.....	264.50	264.68	264.60	.....	.....
15	.....	263.77	.....	.....	264.23	.....	.....	264.41	264.50	264.56	.....	.....
20	263.89	264.26	.....	.....	264.40	.....	.....	264.44	264.40	264.64	.....	264.57
25	264.23	264.61	.....	.....	264.23	.....	.....	264.50	264.48	264.51	.....	264.85
Eom	264.06	264.16	.....	263.92	264.23	.....	.....	264.82	264.45	264.58	.....	264.78
1968												
5	264.72	.....	264.92	.....	.....	264.94	.....	.....	264.93	.....	.....	.....
10	264.93	.....	264.79	.....	.....	264.68	264.92	.....	264.97	.....	.....	.....
15	.....	264.90	264.79	.....	.....	264.73	264.80	264.75	.....	.....	.....	.....
20	264.93	264.88	264.79	.....	.....	264.82	264.93	264.85	.....	.....	.....	.....
25	264.62	264.80	264.82	.....	.....	264.60	.....	265.00	265.02	.....	.....	.....
Eom	264.79	264.81	264.82	.....	.....	264.58	.....	264.92	.....	.....	.....	.....
1969												
5	.....	.....	.....	265.15	265.10	264.98	265.18	265.07	265.28	.....	.....	.....
10	.....	265.06	.....	265.13	265.10	264.92	265.18	265.09	265.31	.....	.....	.....
15	.....	265.21	.....	265.10	265.02	265.03	265.17	265.07	265.25	.....	.....	.....
20	.....	.....	.....	265.10	265.12	264.91	265.16	265.07	265.23	.....	.....	.....
25	.....	.....	.....	265.10	264.98	264.95	265.03	265.26	265.22	.....	.....	.....
Eom	.....	.....	.....	265.10	265.02	265.18	265.00	265.18	.....	.....	.....	.....

e Estimated.

411948N0940220.1. Local number 75-28-2abbl. Formerly 75-28-2B1. Glen Newton. Drilled unused water-table well in glacial drift, diam 24 in, depth 32 ft, cribbed with rock. Lsd 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: 1940-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 26, 1967	15.92	June 10, 1968	18.00	July 30, 1969	16.50	Sept. 2, 1970	16.32
Aug. 9	17.58	Aug. 15	18.62	Nov. 19	15.04	June 8, 1971	14.18
Dec. 19	16.31	Apr. 1, 1969	17.29	Apr. 7, 1970	15.31	Nov. 16	16.20
Feb. 14, 1968	18.67	June 3	17.06				

Marion County

411323N0931416.1. Local number 74-21-11dbd2. Formerly 74-21-11K2. Town of Melcher. Drilled unused water-table well in glacial drift, diam 18 in, depth 25 ft, lined with tile. Lsd 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: 1950-71.

Jan. 4, 1967	7.40	Nov. 3, 1967	5.10	Aug. 6, 1968	5.70	June 23, 1969	4.39
20	7.26	15	5.50	22	6.55	July 7	1.86
24	6.35	30	5.80	Sept. 13	6.15	22	1.86
Feb. 15	5.76	Dec. 11	5.54	21	6.16	31	3.23
24	6.45	22	5.70	Oct. 7	6.17	Aug. 8	3.95
Mar. 11	6.68	Jan. 9, 1968	6.00	22	5.77	23	4.56
25	5.94	16	5.04	Nov. 12	6.04	Sept. 3	4.74
Apr. 5	4.80	23	5.20	19	5.24	22	5.20
20	3.58	Feb. 1	4.77	Dec. 10	5.80	Oct. 8	4.00
25	3.10	14	5.47	Jan. 7, 1969	5.70	20	3.20
May 9	3.40	28	5.75	21	4.83	Nov. 4	3.16
23	3.72	Mar. 9	5.17	Feb. 6	4.90	18	4.28
June 8	3.16	22	5.66	20	5.30	Dec. 5	4.86
24	1.36	Apr. 6	5.00	Mar. 12	4.86	Jan. 23	5.30
July 5	2.76	19	4.58	24	4.24	Jan. 23, 1970	5.76
20	4.85	25	1.38	Apr. 1	3.68	Feb. 9	4.77
Aug. 1	5.10	May 8	3.54	8	2.85	21	5.32
16	5.67	22	4.48	24	3.07	Mar. 21	3.78
Sept. 6	6.70	June 6	5.00	May 15	2.80	Apr. 4	2.28
19	6.90	18	5.20	23	1.95	6	2.45
Oct. 6	6.65	July 3	5.60	June 3	3.90	9	3.76
19	6.86	22	5.69	9	4.18	20	1.33

411323N0931416.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 22, 1970	4.16	Oct. 22, 1970	3.85	Apr. 10, 1971	4.45	Aug. 23, 1971	6.80
June 12	5.08	Nov. 5	3.88	17	4.17	Sept. 9	6.79
29	5.65	18	4.40	May 4	4.40	21	6.80
July 11	6.24	Dec. 7	4.89	19	3.90	Oct. 12	7.75
21	5.88	21	3.24	June 8	4.63	21	7.20
Aug. 8	4.69	Jan. 22, 1971	4.80	9	4.70	Nov. 11	5.60
20	5.65	Feb. 4	4.25	18	5.20	15	5.82
Sept. 4	6.47	19	2.75	July 6	5.40	24	5.45
4	6.50	Mar. 9	3.90	19	5.80	Dec. 7	5.08
22	4.70	18	3.35	Aug. 5	5.80	22	4.55
Oct. 5	4.86						

411541N0931234.1. Local number 75-20-31dbcd1. Formerly 75-20-31C2. Miss Amanda Elliott. Drilled unused water-table well in glacial drift, diam 15 in, depth 29 ft, lined with tile. Lsd 919 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: 1940-71.

Apr. 25, 1967	10.92	June 10, 1968	11.00	June 3, 1969	10.06	Sept. 4, 1970	13.31
Aug. 8	10.45	Aug. 14	12.45	July 31	9.38	June 8, 1971	12.38
Dec. 18	12.89	Feb. 6, 1969	12.60	Oct. 20	9.66	Nov. 15	15.62
Feb. 13, 1968	12.61	Apr. 1	12.16	Apr. 6, 1970	6.73		

Marshall County

420355N0925347.1. Local number 84-18-24dbad1. Formerly 84-18-24P1. 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 44.36 below lsd, Aug. 26, 1971. Records available: 1949-71.

Feb. 14, 1967	35.19	Dec. 11, 1967	35.20	Mar. 14, 1969	33.33	Mar. 6, 1970	32.13
Apr. 20	34.47	Jan. 30, 1968	33.62	May 23	25.30	Oct. 15	38.26
July 12	33.77	July 24	37.35	Sept. 12	32.11	Aug. 26, 1971	44.36
Oct. 12	32.12	Nov. 5	34.95	Nov. 27	35.66		

Montgomery County

405835N0950129.1. Local number 71-36-6dad1. Formerly 71-36-6J1. State of Iowa. Drilled observation water-table well in glacial drift, diam 14 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: 1950-71.

Jan. 20, 1967	15.33	Apr. 23, 1968	13.38	July 22, 1969	12.21	Oct. 20, 1970	13.08
Feb. 22	15.43	May 21	13.13	Aug. 20	12.37	Nov. 21	14.94
Mar. 20	15.37	June 21	12.29	Sept. 23	13.27	Dec. 16	15.15
Apr. 20	15.25	July 22	14.83	Oct. 21	13.60	Jan. 15, 1971	13.75
May 22	14.72	Aug. 21	12.78	Nov. 21	13.32	Feb. 14	14.50
June 20	13.38	Sept. 24	12.88	Dec. 19	14.44	Mar. 15	13.38
July 19	13.78	Oct. 22	12.20	Jan. 19, 1970	14.18	Apr. 15	13.87
Aug. 21	14.04	Nov. 21	12.75	Feb. 21	14.04	May 15	14.42
Sept. 21	14.05	Dec. 21	14.01	Mar. 20	14.94	June 15	13.68
Oct. 19	14.26	Jan. 25, 1969	12.63	Apr. 20	14.78	July 16	13.79
Nov. 20	13.80	Feb. 20	13.08	May 21	14.58	Aug. 16	14.34
Dec. 21	13.58	Mar. 26	12.98	June 21	14.57	Sept. 15	14.82
Jan. 20, 1968	13.46	Apr. 21	12.66	July 20	14.96	Oct. 15	15.15
Feb. 22	13.43	May 19	12.00	Aug. 19	14.68	Nov. 15	14.96
Mar. 23	13.18	June 21	12.02	Sept. 19	15.18	Dec. 15	14.92

Muscataine County

412120N0910804.4. Local number 76-2-30cbaa4. Formerly 76-2-30M4. U.S. Geol. Survey. Drilled observation water-table well in alluvial sand and gravel, diam 5 in, depth 27 ft, screened 24-27. Lsd 546 ft above msl. MP base of recorder shelter, 3.70 ft above lsd. Highest water level 9.42 below lsd, June 2, 1966; lowest 13.78 below lsd, Dec. 4-5, 10, 1971. Records available: 1966-71.

Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.54	.....	12.73	12.42	11.59	11.80	11.70	12.08	12.12	12.33	11.20	10.93
10	12.59	.....	12.74	12.08	11.53	11.80	11.81	11.98	12.18	12.37	10.82	11.00
15	.....	.....	12.76	11.97	11.53	11.79	11.91	11.88	12.22	12.39	.....	11.11
20	.....	.....	12.80	11.88	11.61	11.69	12.02	11.88	12.24	12.10	.....	e11.19
25	.....	.....	12.82	11.83	11.72	11.67	e12.03	11.99	12.27	11.91	.....	e11.28
Eom	.....	.....	12.72	11.64	11.75	11.67	12.05	12.00	12.30	11.83	.....	e11.39

42120N0910804.4--Continued.

1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e11.49	11.88	12.11	12.31	12.34	12.34	12.55	12.96	13.22	13.20	13.37	13.50
10	e11.57	11.89	12.14	12.38	12.29	12.39	12.63	13.01	13.24	13.20	13.40	13.52
15	11.69	11.91	12.18	12.39	12.25	12.40	12.73	13.07	13.27	13.24	13.43	13.53
20	11.74	12.03	12.22	12.42	12.21	12.48	12.79	13.08	13.30	13.27	13.44	13.54
25	11.76	12.05	12.25	12.44	12.21	12.53	12.84	13.13	13.31	13.30	13.47	13.54
Eom	e11.80	12.08	12.28	12.41	12.24	12.52	e12.89	13.17	13.23	13.34	13.48	13.50

1969

5	13.48	12.80	12.46	12.33	12.05	12.25	11.63	11.12	11.24	.....	11.73	12.06
10	.....	12.72	12.41	12.27	12.04	12.13	11.49	10.99	11.30	11.72	11.78	12.12
15	.....	12.67	12.38	12.24	12.04	12.00	11.17	10.88	11.35	11.76	11.83	.....
20	.....	12.61	12.37	12.20	12.09	11.96	11.03	11.00	11.43	11.63	11.90	.....
25	13.19	12.51	12.38	12.14	12.12	11.92	11.04	11.06	.....	11.63	11.95	.....
Eom	12.99	12.49	12.37	12.09	12.21	11.85	11.03	11.16	.....	11.65	12.02	.....

1970

5	.....	.....	12.68	12.66	11.75	10.91	.....	.....	.....	.....	10.57	.....
10	.....	.....	.....	12.57	11.80	11.04	.....	.....	.....	10.00	10.69	.....
15	.....	12.68	.....	12.40	11.40	11.09	.....	.....	.....	10.08	10.81	.....
20	.....	12.66	.....	12.05	10.85	11.17	.....	.....	.....	10.20	10.92	.....
25	.....	12.66	.....	11.84	10.75	11.17	.....	.....	.....	10.30	11.01	.....
Eom	.....	12.67	.....	11.77	10.83	11.26	.....	.....	.....	10.46	.....	.....

1971

5	.....	.....	11.46	11.39	.....	.....	12.38	12.45	12.82	13.24	13.54	13.78
10	.....	.....	11.41	11.44	.....	.....	12.44	12.54	12.88	13.29	13.58	13.78
15	.....	.....	11.39	11.50	.....	e12.06	12.27	12.60	12.93	13.36	13.64	13.47
20	.....	.....	11.36	11.56	.....	12.15	12.35	12.66	12.96	.....	13.67	.....
25	.....	.....	11.35	.....	.....	12.22	12.34	12.73	13.08	.....	13.72	.....
Eom	.....	.....	11.32	.....	.....	12.31	12.42	12.79	13.16	13.50	13.76	.....

e Estimated.

Page County

404257N0951512.1. Local number 68-38-7ccal. Formerly 68-38-7N1. William Brayman. 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 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: 1934-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1967	14.70	Apr. 24, 1968	15.90	July 21, 1969	4.48	Nov. 24, 1970	13.27
Feb. 26	15.58	May 20	15.76	Aug. 21	8.65	Dec. 18	13.91
Mar. 21	15.81	June 20	15.82	Sept. 22	11.08	Jan. 17, 1971	14.22
Apr. 24	14.50	July 22	16.00	Oct. 22	10.64	Feb. 16	14.68
May 24	15.71	Aug. 22	15.99	Nov. 20	12.32	Mar. 17	10.28
June 23	6.84	Sept. 23	16.10	Dec. 22	12.40	Apr. 17	11.10
July 19	11.70	Oct. 21	15.79	Jan. 24, 1970	13.31	May 17	12.03
Aug. 21	13.95	Nov. 20	15.58	Feb. 24	13.43	June 17	11.50
Sept. 21	15.20	Dec. 24	15.72	Mar. 23	13.30	July 15	12.92
Oct. 19	15.10	Jan. 21, 1969	11.42	Apr. 21	13.36	Aug. 16	14.22
Nov. 20	15.49	Feb. 21	11.01	May 21	13.62	Sept. 15	13.86
Dec. 20	15.76	Mar. 25	9.48	July 21	14.32	Oct. 16	12.39
Jan. 22, 1968	15.20	Apr. 23	8.75	Aug. 24	15.27	Nov. 18	5.82
Feb. 22	15.40	May 20	4.82	Sept. 21	14.68	Dec. 16	11.82
Mar. 25	15.70	June 20	7.89	Oct. 22	13.05		

Polk County

413832N0932320.1. Local number 79-22-22aabl. Formerly 79-22-22A1. J. G. Reed. Dug unused water-table well in glacial drift, diam 36 in, depth 39 ft, cribbed with drain tile. Lsd 930 ft above msl. MP top of pipe in concrete cover, 0.45 ft above lsd. Highest water level 2.08 below lsd, May 14, 1959; lowest 11.22 below lsd, Dec. 6, 1956. Records available: 1940-71.

Apr. 25, 1967	5.08	June 25, 1968	6.33	July 28, 1969	3.03	Nov. 9, 1970	5.01
Aug. 9	5.87	Aug. 15	6.22	Nov. 18	4.75	June 9, 1971	4.87
Dec. 19	5.37	Apr. 2, 1969	4.17	Apr. 7, 1970	3.94	Nov. 15	5.06
Feb. 14, 1968	6.27	June 2	4.94	July 22	6.09		

Sac County

421700N0950257.1. Local number 86-36-4cddl. Formerly 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. Highest water level 2.48 below lsd, June 28, 1945; lowest dry, Aug. 29, 1956, Feb. 19, 1957. Records available: 1940-71.

June 26, 1967	3.93	Aug. 30, 1968	6.33	Sept. 5, 1969	5.95	July 30, 1970	6.90
Dec. 12	5.87	Apr. 2, 1969	3.60	Nov. 19	6.01	Oct. 14	6.90
Mar. 6, 1968	6.27	May 21	4.36	Feb. 6, 1970	5.86	Nov. 16, 1971	7.51
June 14	6.52						

423012N0951742.1. Local number 89-38-26ab1. Formerly 89-38-26A2. City of Schaller. Drilled public-emergency-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 227.96 below lsd, Nov. 16, 1971. Records available: 1940-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 14, 1967	226.56	June 14, 1968	226.83	Sept. 5, 1969	226.97	July 30, 1970	227.43
June 26	226.20	Mar. 4, 1969	217.42	Nov. 20	227.17	Oct. 14	227.40
Dec. 12	226.18	May 21	227.15	Feb. 6, 1970	227.35	Nov. 16, 1971	227.96
Jan. 16, 1968	226.61						

### Story County

415901N0963927.1. Local number 83-24-20dad1. Formerly 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 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, 1929. Records available: 1939-71.

Mar. 13, 1967	17.80	June 14, 1968	13.37	Sept. 12, 1969	9.58	Oct. 14, 1970	6.60
June 5	14.97	Nov. 5	13.18	Nov. 27	9.18	June 9, 1971	9.31
Dec. 11	16.10	Mar. 14, 1969	12.18	Apr. 8, 1970	8.35	Nov. 22	14.01
Mar. 7, 1968	16.33	May 22	8.10	July 30	11.60		

### Tama County

421318N0923623.2. Local number 86-15-33bad2. Formerly 86-15-33C2. U.S. Geol. Survey. Four Mile Creek. Drilled observation water-table well in glacial drift, diam 4 in, depth 28 ft, cased to 26, screened 26-28. Lsd 938 ft above msl. MP top of recorder platform, 4.30 ft above lsd. Highest water level 0.07 below lsd, June 26, 1969; lowest 3.87 below lsd, Sept. 16, 1968. Records available: 1966-70. Measurement discontinued temporarily. For additional information, see Kunkle (1968).

Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.64	2.94	3.48	2.41	2.59	3.30	....	3.48	3.33	....	2.95	....
10	3.66	3.07	3.52	....	2.76	2.18	....	1.72	3.30	....	....	....
15	3.68	2.91	3.56	2.10	2.85	2.25	....	1.74	3.32	3.60	....	....
20	3.69	....	3.51	e2.25	e2.98	2.57	....	....	....	.60	....	....
25	1.77	....	2.97	....	....	2.59	....	3.10	....	.58	....	....
Eom	e2.73	....	2.27	2.50	....	2.79	....	3.31	....	.43	....	....
1968												
5	....	2.93	....	....	....	....	....	3.08	3.62	e3.73	3.24	3.30
10	....	....	....	....	....	....	....	2.61	3.70	....	3.28	3.33
15	....	....	....	....	....	....	....	3.05	3.84	....	3.26	3.40
20	....	....	....	....	....	....	....	3.18	3.83	3.04	3.17	....
25	....	....	....	....	....	....	e3.53	3.47	3.82	3.10	3.21	....
Eom	2.83	....	....	....	....	....	....	3.63	3.80	3.20	3.27	....
1969												
5	....	3.00	....	1.15	1.67	2.17	1.75	....	....	3.04	....	2.81
10	....	3.10	....	1.69	1.35	.90	.32	....	2.73	3.05	....	2.83
15	....	3.21	2.90	1.79	1.72	.93	1.43	....	2.80	....	....	2.85
20	....	3.25	1.18	1.60	1.70	.30	1.98	....	2.87	....	....	2.94
25	....	2.69	1.28	2.00	1.67	.08	....	....	2.93	....	2.70	2.95
Eom	....	....	2.15	1.40	2.00	1.00	....	....	2.99	....	2.77	2.96
1970												
5	3.00	....	....	2.24	....	....	....	....	....	....	....	....
10	....	....	....	1.93	2.28	....	....	....	....	....	....	....
15	....	....	....	2.17	2.33	....	....	....	....	....	....	....
20	....	....	....	2.26	2.30	....	....	....	....	....	....	....
25	....	....	....	1.83	....	....	....	....	....	....	....	....
Eom	....	....	2.10	....	....	....	....	....	....	....	....	....

e Estimated.

421318N0923623.4. Local number 86-15-33bad4. Formerly 86-15-33C4. U.S. Geol. Survey. Four Mile Creek. Drilled observation artesian well in limestone of Devonian age, diam 4 in, depth 317 ft, cased to 270. Lsd 938 ft above msl. MP top of recorder platform, 4.70 ft above lsd. Highest water level 56.36 below lsd, July 30, 1969; lowest 63.13 below lsd, July 3, 1968. Records available: 1966-70. Measurement discontinued temporarily. For additional information, see Kunkle (1968).

Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	60.53	60.68	61.14	60.91	61.20	61.47	....	60.74	61.30	61.51	....	....
10	60.82	60.47	61.08	61.24	60.84	61.21	....	60.67	61.37	61.47	....	....
15	60.80	e60.45	61.58	60.95	61.03	61.17	....	60.66	61.23	61.49	....	e62.39
20	60.53	....	60.94	60.92	61.26	61.11	....	60.75	61.19	61.62	....	62.15
25	60.82	....	61.07	61.17	61.19	61.05	....	60.90	61.36	....	....	62.22
Eom	60.74	....	61.07	60.65	61.37	60.80	....	61.35	61.37	....	....	62.18



421318N0923623.4--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e62.30	62.52	.....	.....	.....	62.82	63.01	61.46	58.96	58.83	58.05	.....
10	.....	62.44	.....	.....	.....	62.87	62.97	60.90	58.86	58.77	58.02	.....
15	.....	62.51	.....	.....	.....	62.99	62.96	59.96	58.86	.....	58.05	.....
20	.....	e62.50	.....	.....	.....	63.02	62.90	59.58	58.80	.....	58.32	.....
25	.....	.....	.....	.....	.....	62.86	62.53	59.46	58.80	58.30	58.35	.....
Eom	62.33	.....	.....	.....	.....	62.72	61.91	59.13	58.85	58.03	.....	.....
1969												
5	.....	.....	.....	.....	57.32	56.90	56.59	.....	.....	57.15	.....	59.10
10	.....	.....	.....	.....	57.04	56.90	56.44	.....	56.57	57.39	.....	58.96
15	.....	.....	.....	.....	57.12	57.02	56.42	.....	56.52	57.69	.....	59.02
20	.....	.....	.....	.....	57.08	56.94	56.42	.....	56.94	57.77	.....	.....
25	.....	.....	.....	57.64	56.95	56.73	56.42	.....	56.92	57.77	58.91	.....
Eom	.....	.....	.....	57.52	56.80	56.88	56.36	.....	57.16	58.20	58.95	.....
1970												
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	60.25	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	60.20	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	.....	60.21	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	.....	60.21	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

e Estimated.

Warren County

412343N0934512.1. Local number 76-25-17aabal. Formerly 76-25-17A1. John F. Johnson, Jr. Formerly Mrs. Gertrude Kelley. Dug stock (previously reported 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 37.16 below lsd, Aug. 14, 1968. Records available: 1958-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 25, 1967	21.74	June 10, 1968	24.35	July 31, 1969	4.69	Aug. 31, 1970	13.14
Aug. 8	12.87	Aug. 14	37.16	Nov. 19	11.41	June 8, 1971	7.39
Dec. 18	16.64	Apr. 1, 1969	19.72	Apr. 7, 1970	10.39	Nov. 15	19.34
Feb. 13, 1968	22.42	June 3	11.84				

Webster County

421837N0940836.1. Local number 87-28-29cccl. Formerly 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: 1942-71.

Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	5.66	6.65	5.67	4.25	....	2.88	4.03	4.66	e4.62	5.50	e5.75
10	5.95	5.74	6.70	6.00	4.49	....	2.73	3.16	4.86	4.82	5.47	5.75
15	6.33	5.88	6.95	4.65	3.56	....	3.23	3.70	3.80	5.00	5.55	5.83
20	6.40	6.16	6.81	4.27	3.90	....	3.60	4.04	4.20	5.20	5.50	5.69
25	5.56	6.52	6.90	3.60	4.16	1.84	3.74	4.23	4.27	5.38	5.68	5.84
Eom	5.40	6.59	5.59	3.67	4.53	2.28	3.98	4.50	4.47	5.53	5.66	....
1968												
5	5.85	6.47	6.69	6.46	3.92	4.27	....	4.93	3.20	3.78	3.28	3.38
10	6.00	6.41	6.55	6.34	4.12	4.48	....	4.20	3.97	2.34	3.40	3.57
15	6.14	6.50	6.62	5.54	4.17	4.22	....	4.60	4.35	3.20	2.45	3.69
20	6.25	e6.62	6.68	3.94	4.35	4.50	....	5.01	3.62	2.10	2.86	e3.80
25	6.24	6.65	6.54	2.82	4.45	....	4.44	4.72	4.07	2.73	3.07	3.88
Eom	6.32	6.75	6.54	3.50	4.13	....	4.70	4.91	2.96	3.07	3.25	4.01
1969												
5	....	4.32	....	1.35	2.09	3.35	....	....	....	4.27	3.45	4.40
10	....	e4.40	....	1.81	2.02	2.49	....	....	....	4.38	3.68	4.46
15	....	....	....	1.35	2.45	2.14	....	....	3.42	3.85	3.87	4.55
20	4.03	....	....	1.60	2.71	e2.70	....	....	3.80	3.40	4.11	4.54
25	4.04	....	....	2.25	2.68	....	....	....	3.92	3.75	4.24	4.64
Eom	4.23	....	....	2.24	3.05	....	....	....	4.07	3.08	4.29	4.73
1970												
5	4.80	4.40	2.41	2.73	3.45	4.14	4.51	5.30	5.87	5.73	4.24	3.84
10	4.80	3.03	2.88	2.88	3.63	4.33	4.75	4.13	6.00	3.65	3.45	4.00
15	e4.95	3.62	3.07	2.54	3.32	4.10	4.26	4.54	5.70	4.37	3.89	4.14
20	4.89	....	2.60	2.63	3.61	4.30	4.78	4.85	5.34	4.70	2.32	4.30
25	4.80	2.70	1.31	2.95	3.79	3.86	4.98	5.13	5.44	4.88	3.25	4.38
Eom	4.75	2.95	2.43	3.23	3.98	4.19	5.22	5.67	5.41	3.93	3.62	4.42

421837N0940836.1--Continued.

1971												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	4.84	2.64	....	....	....	....	....	....	8.67	....	3.42
10	....	4.92	3.26	....	....	....	....	....	7.00	9.00	....	3.22
15	....	....	....	....	....	....	....	5.71	7.28	9.00	....	3.45
20	....	1.68	....	....	....	....	....	5.95	....	7.21	2.64	3.80
25	....	2.94	....	....	2.51	....	....	6.24	7.87	....	3.30	3.53
Eom	....	....	....	....	....	....	....	6.51	e8.20	....	e3.40	....

e Estimated.

423013N0942147.1. Local number 89-30-22ddal. Formerly 89-30-22R1. Johnson Township Consolidated School. Barnum. Drilled unused artesian well in sandstone of Cretaceous age, 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 41.72 below lsd, Nov. 16, 1971. Records available: 1942-45, 1947-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 13, 1967	38.42	July 24, 1968	39.77	Sept. 12, 1969	38.94	Jan. 29, 1971	40.09
June 22	38.95	Nov. 5	39.33	Nov. 19	39.29	Aug. 18	41.62
Dec. 13	39.20	Mar. 14, 1969	38.43	Mar. 4, 1970	39.61	Nov. 16	41.72
Mar. 7, 1968	39.31	May 19	38.60	Oct. 14	40.46		

423341N0940516.1. Local number 90-27-31ccbl. Formerly 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, 1956-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 13, 1967	9.75	July 25, 1968	6.23	Sept. 12, 1969	4.49	Jan. 29, 1971	6.65
June 22	3.35	Nov. 6	4.30	Nov. 19	5.44	Aug. 18	6.84
Dec. 14	7.51	Mar. 14, 1969	6.65	Mar. 4, 1970	6.93	Nov. 17	5.89
Mar. 7, 1968	8.33	May 19	3.86	Oct. 14	7.24		

## References

- Coble, R. W., 1971, Water resources of southeast Iowa: Iowa Geol. Survey Water Atlas 4.  
Hansen, R. E., 1970, Geology and ground-water resources of Linn County, Iowa: Iowa Geol. Survey Water-Supply Bull. 10.  
Hershey, H. G., Wahl, K. D., and Steinhilber, W. L., 1970, Geology and ground-water resources of Cerro Gordo County, Iowa: Iowa Geol. Survey Water-Supply Bull. 9.

Note.--Measurements were discontinued in 1966 for the following well:

Sioux County - 430449N0961033.1. - Local number 95-45-5A1.

# KANSAS

The observation-well program in Kansas was continued during 1967 through 1971 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 according to their latitude and longitude location, as explained on page 1. Local well numbers are also given.

Wells are numbered locally 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. 1S., R. 38W.

## 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, cased with galvanized iron. Lsd not available. 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, 1966-67, 1969, 1971. No measurement made in 1968, 1970. Jan. 16, 1967, 78.75; June 25, 1969, 74.97; Dec. 23, 74.55; Jan. 23, 1971, 76.50; Feb. 3, 72.35.

### Douglas County

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, cased with galvanized iron. Lsd not available. MP top of well seal, 2.00 ft above lsd. Highest water level 13.68 below lsd, Mar. 23, 1962; lowest 30.23 below lsd, May 1, 1967. Records available: 1956-67, 1970. No measurement made in 1968-69, 1971. May 1, 1967, 30.23; July 24, 26.05; June 9, 1970, 26.97.

### Edwards County

380145N0992413. Local number 10. E. F. Lippoldt. Dug unused water-table well in Dakota Formation, diam 4½ ft, depth 68 ft, 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 61.00 below lsd, Dec. 21, 1967; lowest 68.20 below lsd, Mar. 13, 1946. Records available: 1944-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 27, 1967	62.00	July 2, 1968	61.63	Sept. 22, 1969	61.52	Dec. 17, 1970	63.25
June 22	62.10	Sept. 24	61.93	Dec. 22	61.36	Mar. 18, 1971	62.23
Sept. 20	61.79	Dec. 26	61.43	Apr. 7, 1970	61.32	June 23	62.95
Dec. 21	61.00	Mar. 27, 1969	61.34	June 23	61.58	Oct. 5	62.90
Mar. 19, 1968	61.27	June 17	61.21				



Ford County

374445N1000255. Local number 8. F. H. Diehl. Drilled irrigation water-table well in alluvium, diam 20 in, depth 20 ft, 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 9.17 below lsd, Oct. 5, 1971. Records available: 1938-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 23, 1967	7.89	Sept. 20, 1968	8.20	Sept. 22, 1969	8.15	Dec. 17, 1970	8.80
June 22	8.25	Dec. 26	7.97	Dec. 22	7.57	Mar. 22, 1971	7.72
Sept. 21	7.86	Mar. 27, 1969	6.99	Apr. 7, 1970	7.58	June 23	8.10
Dec. 21	7.95	June 17	6.90	Sept. 15	8.45	Oct. 5	9.17
Mar. 19, 1968	7.64						

Graham County

393229N0995038. Local number 6-23-12ccb. H. Hauser. Drilled stock water-table well in Ogallala Formation, diam 5 in, depth 69 ft, cased with galvanized iron. 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 64.10 below lsd, Dec. 6, 1971. Records available: 1952-71. Dec. 11, 1967, 61.75; Dec. 16, 1968, 62.60; Dec. 18, 1969, 63.00; Dec. 7, 1970, 62.44; Dec. 6, 1971, 64.10.

Grant County

374337N1012155. Local number 5. C. L. Jury. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation, diam 6 in, depth 139 ft, 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 136.70 below lsd, Sept. 22, 1971. Records available: 1941-71.

Mar. 15, 1967	92.57	June 12, 1968	113.65	Oct. 1, 1969	113.43	Dec. 28, 1970	114.40
June 6	95.70	Sept. 17	124.48	Dec. 18	106.83	Mar. 17, 1971	115.86
Sept. 20	97.48	Dec. 18	109.48	Apr. 15, 1970	107.68	June 16	127.80
Dec. 19	97.83	Apr. 16, 1969	100.68	June 23	123.70	Sept. 22	136.70
Mar. 20, 1968	97.35	July 9	102.51	Sept. 9	128.71		

Harvey County

375530N0973003. Local number 839. City of Wichita. Drilled observation water-table well in Pleistocene sand, diam 1 1/4 in, depth 27 ft, cased with galvanized iron. 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: 1938-71.

Mar. 30, 1967	24.45	July 1, 1968	25.60	Oct. 2, 1969	22.61	Dec. 29, 1970	24.00
July 1	25.05	Sept. 30	25.50	Dec. 31	22.58	Apr. 1, 1971	23.71
Oct. 1	24.77	Jan. 2, 1969	24.19	Apr. 1, 1970	22.95	July 1	24.35
Dec. 19	24.84	Apr. 1	24.25	July 1	23.30	Sept. 30	25.50
Mar. 29, 1968	25.30	July 9	23.10	Oct. 1	24.30	Dec. 29	25.22

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, cased with galvanized pipe. 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: 1945-67. Well destroyed; measurement discontinued. Mar. 21, 1967, 56.13; June 27, 56.05.

Lane County

382858N1002433. Local number 18-28-15ccc. C. S. and F. E. Boone. Drilled unused water-table well in Ogallala Formation, diam 6 in, depth 76 ft, cased with galvanized iron. Lsd 2,739.5 ft above msl. MP top southwest side of casing, 0.50 ft above lsd. Highest water level 53.03 below lsd, Dec. 9, 1970; lowest 56.60 below lsd, Oct. 9, 1968. Records available: 1948, 1950-71. Well destroyed; measurement discontinued.

Jan. 16, 1967	53.86	July 17, 1968	53.95	Sept. 8, 1969	53.92	Sept. 28, 1970	53.85
Apr. 17	53.97	Oct. 9	56.60	Dec. 9	53.80	Dec. 9	53.03
July 24	53.87	Apr. 9, 1969	55.20	Mar. 10, 1970	53.71	Mar. 11, 1971	53.95
Oct. 4	53.92	July 14	55.00	June 16	53.84	June 1	56.06
Apr. 9, 1968	54.36						

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. Lsd not available. MP top of concrete curb, at lsd. Highest water level 4.75 below lsd, July 25, 1951; lowest 23.90 below lsd, July 16, 1968. Records available: 1947-70. No measurement made in 1971.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1967	20.60	Mar. 26, 1968	22.23	Dec. 11, 1968	22.87	Sept. 24, 1969	22.35
June 28	22.30	July 16	23.90	Apr. 9, 1969	21.80	Dec. 2	21.80
Sept. 13	23.24	Sept. 27	23.75	July 23	22.64	June 22, 1970	22.16
Dec. 18	21.82						

McPherson County

383403N0973007. Local number 17-3-17dd. U.S. Geol. Survey. Drilled observation water-table well in terrace deposits of Pleistocene age, diam 14 in, depth 37 ft, cased with galvanized iron. Lsd 1,331.5 ft above msl. MP top of pipe, 0.80 ft above lsd. Highest water level 16.75 below lsd, July 24, 1951; lowest 29.80 below lsd, Sept. 7, 1956. Records available: 1946-71.

Mar. 13, 1967	27.34	Dec. 19, 1967	25.43	Dec. 10, 1968	26.38	Dec. 3, 1969	25.30
May 16	27.05	Mar. 27, 1968	27.17	Apr. 10, 1969	25.93	June 23, 1970	25.50
June 26	26.73	May 27	26.45		25.64	Nov. 17	26.89
July 31	24.64	July 17	27.18	July 25	23.13	Nov. 17, 1971	25.90
Sept. 11	25.40	Sept. 26	27.62	Sept. 24	24.15		

Morton County

370142N1015351. Local number 117. W. C. Washburn. Drilled unused water-table well in Ogallala Formation, diam 6 in, depth 215 ft, cased with iron. Lsd not available. MP top west side of casing, 1.20 ft above lsd. Highest water level 151.66 below lsd, Apr. 15, 1968; lowest 166.54 below lsd, May 25, 1948. Records available: 1939-69. Measurement discontinued. Apr. 12, July 25, 1967, well being pumped; Oct. 11, 152.48; Apr. 16, 1968, 151.66; July 23, Oct. 23, well being pumped; Apr. 15, 1969, well being pumped.

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, cased with galvanized iron. Lsd not available. 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: 1940-71.

Jan. 18, 1967	31.30	Jan. 24, 1968	29.76	Jan. 27, 1969	32.65	Jan. 15, 1970	32.09
Feb. 20	30.98	Feb. 22	29.82	Feb. 27	32.60	Feb. 23	31.63
Mar. 27	36.07	Mar. 19	29.92	Mar. 26	32.63	Mar. 30	31.45
Apr. 20	33.65	Apr. 22	36.50	Apr. 23	32.30	June 22	32.40
May 25	32.35	May 23	31.93	May 23	32.07	Sept. 21	34.55
June 21	30.80	July 1	31.45	June 16	32.95	Dec. 18	33.80
July 27	28.33	24	37.65	July 24	34.68	Mar. 30	31.45
Aug. 23	32.50	Aug. 28	36.13	Aug. 21	39.03	June 22	32.40
Sept. 20	30.79	Sept. 24	34.50	Sept. 24	33.38	Sept. 21	34.55
Oct. 25	29.91	Oct. 22	33.55	Oct. 22	32.89	Dec. 18	33.80
Nov. 21	34.57	Nov. 25	32.92	Nov. 24	32.24	June 22, 1971	38.75
Dec. 20	29.87	Dec. 20	32.87	Dec. 17	32.02	Oct. 4	34.98

Norton County

395448N0993836. Local number 2-21-lbb. Verner Ross. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diam 24 in, depth 70 ft, cased with galvanized iron. Lsd 2,122.4 ft above msl. MP top east side of pumpbase, 1.30 ft above lsd. Highest water level 16.4 below lsd, June 13, Oct. 8, 1970; lowest 44.70 below lsd, Aug. 23, 1960. Records available: 1946-70. No measurement made in 1971.

Jan. 30, 1967	23.2	Oct. 30, 1967	20.2	Oct. 24, 1968	17.4	Mar. 23, 1970	17.1
Mar. 3	23.3	Mar. 12, 1968	20.9	Mar. 24, 1969	18.4	June 13	16.4
Apr. 27	23.5	June 18	21.1	June 19	19.2	Aug. 4	21.7
June 30	22.2	Aug. 10	17.2	Aug. 6	17.1	Oct. 8	16.4

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, cased with galvanized iron. Lsd 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: 1951-71.

Mar. 21, 1967	89.58	July 2, 1968	90.29	Sept. 25, 1969	90.33	Dec. 21, 1970	89.78
June 27	89.53	Sept. 26	89.97	Dec. 23	90.25	Mar. 16, 1971	90.30
Sept. 21	89.96	Dec. 30	90.45	Apr. 6, 1970	90.20	June 17	90.00
Dec. 18	89.86	Mar. 28, 1969	91.35	June 24	90.00	Oct. 6	90.00
Mar. 21, 1968	90.08	June 25	90.30	Sept. 18	90.00		

Rawlins County

394201N1010335. Local number 4-33-18dd. W. B. Minney. Drilled unused water-table well in Ogallala Formation, diam 5 in, depth 104 ft, cased with galvanized iron. Lsd not available. MP top north side of hole drilled in pumpbase, 1.30 ft above lsd. Highest water level 86.19 below lsd, Dec. 17, 1968; lowest 88.52 below lsd, Oct. 13, 1959, Jan. 13, 1960. Records available: 1952-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1967	87.43	June 12, 1968	87.39	Sept. 15, 1969	87.48	Dec. 7, 1970	87.58
Mar. 14	87.50	Sept. 16	87.49	Dec. 9	87.55	Jan. 15, 1971	87.44
Sept. 11	87.48	Dec. 17	86.19	Jan. 21, 1970	87.36	Mar. 9	87.50
Dec. 12	87.62	Jan. 24, 1969	87.40	Mar. 5	87.18	June 8	87.47
Jan. 18, 1968	87.49	Mar. 18	87.40	June 16	87.45	Sept. 6	87.43
Mar. 18	87.50	June 3	87.60	Aug. 31	87.45	Dec. 8	87.36

Republic County

395909N097546. Local number 1-5-7bb. U.S. Geol. Survey. Driven and bored observation water-table well in alluvium, diam 1 1/2 in, depth 13 ft, cased with galvanized iron. Lsd 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. 22, 1956. Records available: 1947-71.

Apr. 6, 1967	7.4	June 11, 1968	6.7	June 17, 1969	4.8	Aug. 3, 1970	6.8
June 16	6.9	Aug. 6	7.2	Aug. 9	5.1	Oct. 18	5.7
Aug. 10	7.5	Oct. 22	6.3	Oct. 27	5.5	Mar. 18, 1971	3.7
Mar. 13, 1968	7.1	Mar. 21, 1969	3.0	Mar. 3, 1970	5.2	Aug. 10	6.1

Saline County

384430N0973512. Local number 15-2-18dd. U.S. Geol. Survey. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diam 1 1/2 in, depth 44 ft, cased with galvanized iron. Lsd 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, 1956. Records available: 1946-71.

Mar. 13, 1967	25.72	Dec. 19, 1967	23.78	Dec. 10, 1968	25.05	Dec. 4, 1969	24.40
May 15	25.90	Mar. 27, 1968	24.69	Apr. 10, 1969	24.50	June 23, 1970	22.70
June 26	23.50	May 27	25.12	June 29	23.88	Nov. 17	25.67
July 31	21.87	July 17	25.50	July 25	21.66	June 15, 1971	21.40
Sept. 11	22.50	Sept. 26	25.83	Sept. 23	22.47	Nov. 17	25.10

Sedgwick County

374651N0971959. Local number 809. City of Wichita. Driven observation water-table well in sand and gravel of Pleistocene age, diam 1 1/2 in, depth 32 ft, cased with galvanized iron. Lsd 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: 1938-71.

Mar. 30, 1967	16.92	Sept. 30, 1968	14.82	Oct. 1, 1970	14.95	Sept. 30, 1971	16.04
Oct. 1	15.90	Jan. 2, 1969	14.36	Apr. 1, 1971	15.52	Dec. 29	15.45
June 26, 1968	15.26	Apr. 1	13.42	July 1	15.64		

Sherman County

392100N1014410. Local number 8-40-24baa. Victoria Van Drasek Estate. Drilled unused water-table well in Ogallala Formation, diam 6 in, depth 163 ft (previously reported 159 ft), cased with galvanized iron. Lsd 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 162.79 below lsd, Sept. 17, 1968. Records available: 1948-71.

Jan. 23, 1967	151.17	Jan. 16, 1968	152.86	Feb. 18, 1969	155.59	June 17, 1970	156.16
Mar. 13	152.83	Mar. 19	153.54	June 4	157.40	Dec. 8	161.54
June 7	152.72	June 13	155.15	Sept. 16	159.77	Jan. 13, 1971	159.80
Sept. 17	154.99	Sept. 17	162.79	Dec. 9	160.22	Mar. 9	160.80
Oct. 14	153.32	Dec. 18	160.40	Jan. 2, 1970	157.47	June 8	160.89
Dec. 12	153.19	Jan. 10, 1969	155.94	Mar. 6	156.14		

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, 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: 1951-71.

375429M0984442--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 23, 1967	17.92	July 1, 1968	20.85	Sept. 25, 1969	17.02	Dec. 21, 1970	17.70
June 21	18.81	Sept. 24	21.45	Dec. 22	15.73	Mar. 17, 1971	17.50
Sept. 20	20.00	Dec. 20	20.50	Mar. 30, 1970	16.10	June 17	18.67
Dec. 20	19.55	Mar. 28, 1969	20.26	June 22	16.22	Oct. 6	20.20
Mar. 19, 1968	19.80	June 19	18.64	Sept. 18	18.17		

Sumner County

372623M0971344. Local number 19. Thomas Graber. Bored observation water-table well in terrace deposits of Pleistocene age, diam 1 1/2 in, depth 29 ft, cased with steel. Lsd 1,209.0 ft above ms1. 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: 1954-70. No measurement made in 1971.  
Mar. 7, 1967, 10.36; Mar. 6, 1968, 10.20; Jan. 14, 1969, 9.55; Dec. 8, 1970, 9.48.

Trego County

384750M0994239. Local number 14-22-36aa. U.S. Geol. Survey. Drilled observation water-table well in terrace deposits of Pleistocene age, diam 1 1/2 in, depth 64 ft, casing information not available. Lsd 2,114.72 ft above ms1. MP top of pipe, 1.40 ft above lsd. Highest water level 26.82 below lsd, Dec. 5, 1960; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-54, 1956-71.

Mar. 14, 1967	27.35	Aug. 6, 1968	27.8	June 5, 1969	27.8	Mar. 26, 1970	27.44
June 27	27.50	Sept. 20	27.8	July 10	27.8	Apr. 8	27.5
Sept. 12	27.50	27	27.70	24	27.8	May 4	27.6
Dec. 19	27.10	Oct. 11	27.90	Aug. 11	28.0	June 10	27.7
Jan. 9, 1968	27.4	Nov. 18	28.1	Sept. 9	28.1	22	27.37
Feb. 20	27.4	Dec. 6	28.3	24	27.78	July 6	27.6
Mar. 6	27.4	Jan. 18, 1969	27.8	Oct. 1	28.3	Aug. 5	27.9
27	27.32	Nov. 7	27.7	Nov. 7	27.7	Sept. 10	28.0
Apr. 9	27.3	Feb. 4	27.9	Dec. 3	27.58	Oct. 21	27.7
23	27.50	Mar. 6	27.6	4	27.7	Nov. 18	27.7
May 7	27.50	Apr. 8	27.7	Jan. 12, 1970	27.80	Dec. 4	27.8
June 4	27.5	9	27.6	Feb. 12	27.6	Nov. 12, 1971	27.98
July 2	27.7	May 7	27.6	Mar. 3	27.6	19	27.59
16	27.75						

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Note.--Measurements were discontinued in 1966 for the following wells:

- Barton County - 381727N0983415 - Local number 43.  
 Douglas County - 385437N0951853 - Local number 13-19-21bb.  
 Finney County - 381308N1005248 - Local number 5.  
 Kiowa County - 373819N0990403 - Local number 4.

# MINNESOTA

The observation-well program in Minnesota was continued during 1967 through 1971 in cooperation with the Division of Waters, Soils and Minerals, Minnesota Department of Natural Resources, and the Metropolitan Council of the Twin Cities area. Figure 5 shows the location of wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude and longitude location, as explained on page 1. Local well numbers are also given.

The local well numbers are 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. 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. 108N., R. 30W.

## Well Descriptions and Water-Level Measurements

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

### Brown County

441030N0942545.1. Local number 108.30.9add. Erwin Kjelshus. Drilled unused water-table well in glacial drift, diam 16 in, depth 32 ft. Casing information and lsd not available. MP top of concrete cover, 0.40 ft above lsd. Highest water level 2.59 below lsd, Apr. 9, 1969; lowest 17.68 below lsd, Feb. 28, 1956. Records available: 1942-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1967	7.37	Dec. 5, 1967	14.33	Oct. 8, 1968	4.32	Aug. 15, 1969	6.58
10	7.55	12	14.40	16	3.77	22	7.19
18	7.74	19	14.61	22	3.38	Sept. 1	8.07
23	7.75	26	14.83	29	3.93	10	8.95
30	7.78	Jan. 2, 1968	15.01	Nov. 5	4.20	16	9.42
Feb. 6	7.93	9	15.13	13	4.29	25	10.26
14	7.99	16	15.15	18	4.42	Oct. 2	10.85
21	8.20	23	15.37	26	4.46	7	11.32
27	8.36	30	15.52	Dec. 3	4.57	14	11.83
Mar. 6	8.17	Feb. 5	15.66	9	4.58	23	11.98
13	7.42	12	15.75	17	4.67	31	11.89
20	7.18	19	15.88	26	4.74	Nov. 7	11.89
27	6.12	27	16.03	Jan. 2, 1969	4.93	14	11.95
Apr. 4	4.00	Mar. 4	16.07	8	4.95	19	11.95
17	4.17	11	16.34	14	5.21	25	12.02
25	4.47	19	16.42	20	5.09	Dec. 2	12.05
May 1	3.29	25	16.60	27	5.21	10	12.16
8	4.00	Apr. 1	16.90	Feb. 4	5.40	17	12.40
16	4.29	8	16.85	11	5.52	23	12.43
25	4.52	15	16.97	19	5.68	30	12.68
30	4.65	23	16.88	25	5.87	Jan. 5, 1970	13.20
June 5	4.83	May 1	16.39	Mar. 5	6.57	12	12.99
13	4.82	8	15.70	12	5.53	21	13.34
20	4.97	14	15.28	18	5.05	27	13.40
26	5.22	28	14.94	25	3.24	Feb. 3	13.69
July 4	5.62	Jan. 2	14.62	Apr. 2	3.10	10	13.82
10	5.22	June 3	14.30	9	2.59	18	13.97
17	5.63	11	13.87	15	3.58	25	14.29
Aug. 8	7.25	17	13.24	23	3.96	Mar. 5	12.40
15	7.85	26	12.40	29	3.65	16	12.66
22	8.33	July 2	11.87	May 6	3.84	30	10.36
28	7.89	8	11.50	13	3.91	Apr. 8	10.19
Sept. 5	8.56	16	10.78	20	3.74	16	8.79
14	9.36	22	9.79	28	4.05	24	6.13
Oct. 2	12.17	31	4.72	June 3	4.32	May 2	5.29
10	11.90	Aug. 11	4.26	11	4.52	8	5.02
16	12.39	20	4.75	18	4.65	16	5.26
24	12.75	26	5.14	24	4.84	23	5.53
31	13.20	Sept. 2	5.44	July 1	4.32	29	5.58
Nov. 7	13.64	8	5.63	8	4.57	June 5	5.74
15	13.85	16	4.58	16	5.03	13	6.26
22	13.95	24	5.53	23	5.40	19	6.47
28	14.27	30	4.03	29	5.59	26	6.79

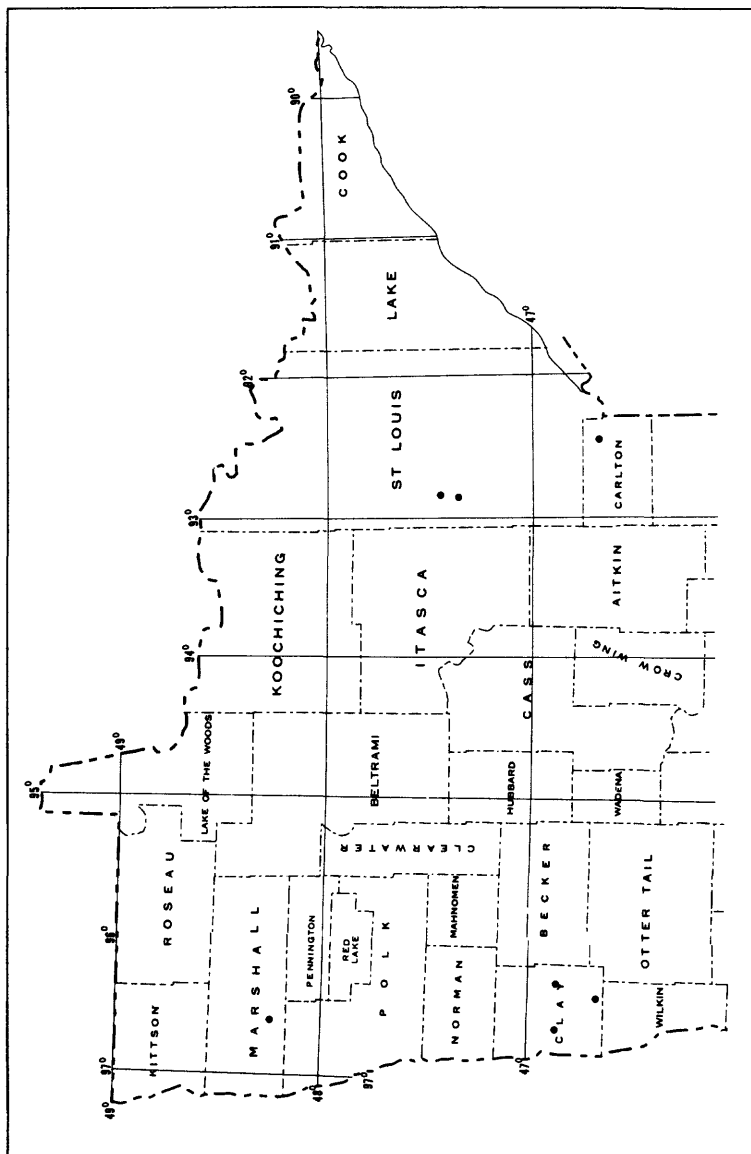
441030N0942545.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 2, 1970	7.35	Nov. 30, 1970	4.19	Apr. 13, 1971	4.16	Aug. 21, 1971	9.22
9	8.00	Dec. 8	4.15	20	4.21	30	9.29
16	6.90	15	4.34	29	4.26	Sept. 7	9.60
23	7.25	21	4.36	May 6	4.37	14	10.08
30	5.76	29	4.63	10	4.44	20	10.68
Aug. 5	4.98	Jan. 4, 1971	4.70	18	4.66	29	11.34
12	5.00	13	4.95	25	4.46	Oct. 8	11.96
20	5.51	19	5.00	June 4	4.75	15	12.40
Sept. 1	5.88	25	5.05	10	4.56	20	12.70
10	4.48	Feb. 3	5.38	16	4.78	28	12.32
17	4.42	9	5.45	23	4.67	Nov. 3	11.04
24	4.34	16	5.51	30	4.60	9	9.76
Oct. 2	4.38	24	5.18	July 7	4.73	15	9.10
12	2.91	Mar. 1	5.23	13	5.03	22	7.20
19	3.78	16	4.15	21	5.58	Dec. 6	6.05
27	4.08	22	4.02	27	6.07	14	5.83
Nov. 4	3.38	30	3.72	Aug. 10	7.10	21	5.87
10	2.73	Apr. 6	4.02	16	7.81	29	5.78
18	3.73						

Carlton County

464250N0922742.1. Local number 49.17.23caa. Formerly 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. Lsd not available. 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: 1948-71. Measured by Warren Hebert, Russell Mitchell, and G. McTaggart.

Jan. 9, 1967	11.04	Mar. 4, 1968	12.27	Apr. 21, 1969	9.91	Sept. 14, 1970	9.51
16	11.09	11	12.37	28	9.90	21	9.29
23	11.27	18	12.37	May 5	9.57	28	9.54
30	11.34	25	12.31	12	9.48	Oct. 5	9.55
Feb. 6	11.55	Apr. 1	12.34	19	9.43	12	8.74
13	11.45	8	12.08	26	9.54	19	8.93
20	11.59	15	11.96	June 3	9.59	26	9.02
27	11.66	22	11.83	9	9.50	Nov. 2	8.63
Mar. 6	11.72	29	11.11	16	9.78	9	8.63
13	11.72	May 6	11.20	23	9.94	Dec. 14	8.85
20	11.70	13	11.08	30	9.67	21	8.88
27	11.35	20	10.84	July 14	9.70	28	9.08
Apr. 3	10.91	27	10.89	Aug. 11	9.27	Jan. 4, 1971	9.09
10	10.94	June 3	10.56	18	9.38	11	9.26
17	10.83	10	10.03	Sept. 22	9.03	18	9.36
24	10.86	17	10.11	29	8.90	25	9.38
May 1	10.78	24	9.93	Oct. 6	8.88	Feb. 1	9.54
8	10.83	July 1	9.95	13	9.04	8	9.58
15	10.90	8	10.02	Nov. 3	9.00	22	9.66
22	10.99	22	9.92	10	9.03	Mar. 1	9.76
June 13	11.13	29	10.08	17	9.19	8	9.80
19	10.53	Aug. 5	10.13	24	9.26	15	9.37
26	10.21	12	10.25	Dec. 1	9.37	22	9.34
July 3	10.39	19	10.27	8	9.32	29	9.23
10	10.51	26	10.44	15	9.53	Apr. 5	9.01
17	10.37	Sept. 3	10.44	29	9.64	12	8.55
24	10.32	9	10.42	Jan. 5, 1970	9.70	19	8.48
31	10.51	16	10.47	12	9.75	26	8.57
Aug. 7	10.49	23	10.17	19	9.79	May 10	8.58
14	10.33	30	10.27	26	9.83	17	8.55
21	10.46	Oct. 7	10.51	2	9.93	24	8.23
31	10.51	14	10.01	9	9.98	June 1	8.35
Sept. 5	10.71	21	9.25	16	9.95	7	8.21
11	10.61	28	9.48	23	9.94	21	8.22
18	10.50	Nov. 4	9.64	Mar. 2	9.90	28	8.33
25	10.60	11	9.84	16	9.82	July 6	8.31
Oct. 2	10.73	18	9.94	23	8.40	13	8.23
9	10.72	27	10.12	30	10.38	19	8.03
16	10.89	Dec. 2	10.26	Apr. 6	9.49	26	8.11
23	10.94	9	10.33	13	9.45	Aug. 2	8.20
30	11.07	23	10.44	20	9.37	9	8.30
Nov. 6	11.15	30	10.57	27	8.94	16	8.27
13	11.23	Jan. 6, 1969	10.62	May 4	8.92	23	7.58
20	11.41	13	10.79	11	8.95	30	7.79
28	11.65	20	10.80	25	8.77	Sept. 7	7.92
Dec. 4	11.43	27	10.92	8	8.85	13	7.74
11	11.52	Feb. 3	11.03	22	8.90	27	8.09
18	11.84	10	11.04	29	8.84	Oct. 11	8.12
26	11.91	17	11.21	July 6	8.97	Nov. 1	7.08
Jan. 2, 1968	11.79	24	11.38	13	9.00	9	7.24
8	11.87	Mar. 3	11.26	27	9.01	16	7.49
15	11.95	10	11.10	Aug. 3	9.14	22	7.05
22	12.01	17	10.99	10	9.24	29	7.11
Feb. 5	12.08	24	10.33	24	9.33	Dec. 6	7.24
12	12.14	31	10.11	Sept. 1	9.41	20	7.45
19	12.18	Apr. 7	10.07	8	8.80	27	7.58
26	12.25	14	9.95				



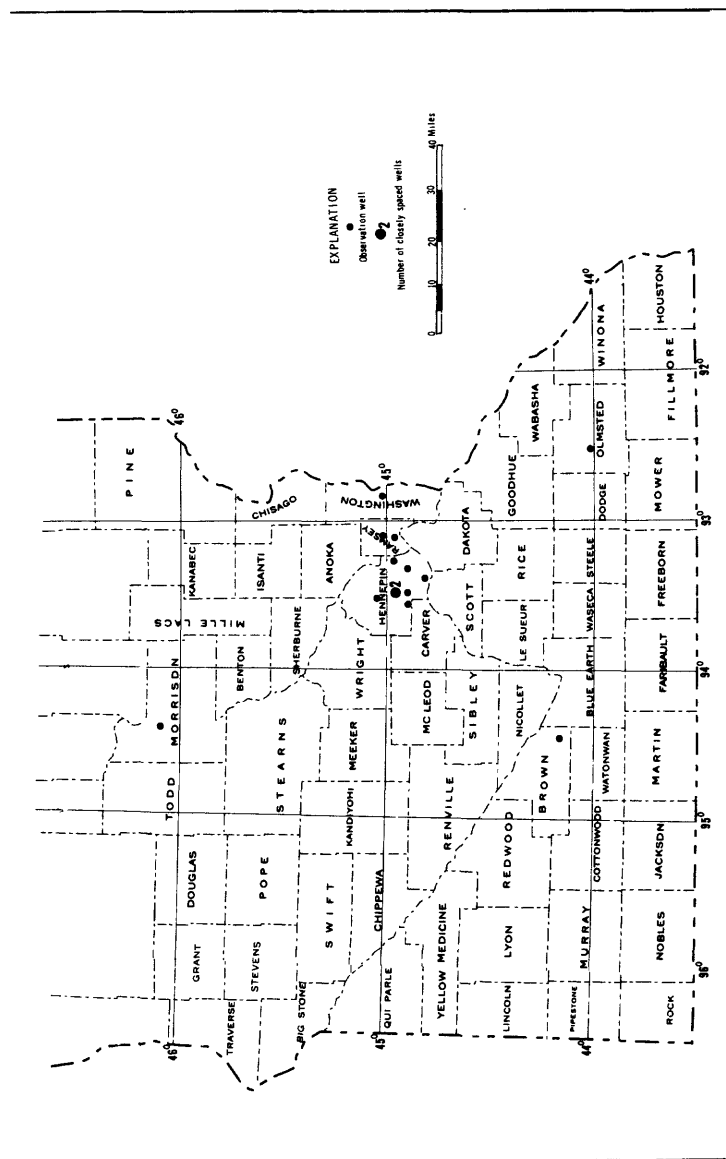


Figure 5.--Location of observation wells in Minnesota, 1967-71.

## 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. Casing information and lsd not available. MP top of casing, 1.50 ft above lsd. Highest water level 1.86 below lsd, June 9, 1962; lowest 11.86 below lsd, Jan. 3, 1970. Records available: 1949-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1967	9.24	Apr. 13, 1968	9.52	July 13, 1969	10.68	Oct. 17, 1970	10.56
14	9.22	20	9.54	19	10.82	24	10.52
21	9.26	27	8.82	26	10.54	Nov. 1	10.54
29	9.24	May 4	8.96	Aug. 2	10.58	7	10.52
Feb. 4	9.26	11	8.98	10	10.56	14	10.52
11	9.24	18	8.84	16	10.58	21	10.54
18	9.32	25	8.86	23	10.61	28	10.52
25	9.38	June 1	8.86	30	10.67	5	10.54
4	9.40	8	8.87	Sept. 6	10.62	12	10.52
11	9.38	15	8.84	13	10.66	26	10.52
25	8.94	22	8.83	20	10.64	Jan. 2, 1971	10.54
Apr. 1	9.04	29	8.86	Oct. 4	10.78	10	10.56
8	8.96	July 6	8.84	11	10.80	16	10.54
15	8.98	13	8.96	18	10.82	30	10.56
29	8.22	20	9.05	26	10.82	Feb. 6	10.54
May 6	8.16	27	9.18	Nov. 1	10.80	13	10.56
13	8.14	Aug. 3	9.18	8	10.78	20	10.58
21	8.18	10	9.54	22	10.72	27	10.56
27	8.22	17	9.52	29	10.68	Mar. 6	10.58
June 3	8.00	24	9.56	Dec. 6	10.64	13	10.64
10	8.20	31	9.56	Jan. 3, 1970	11.86	20	10.66
17	7.94	Sept. 7	9.62	24	11.80	27	10.70
24	8.08	14	9.66	31	11.74	Apr. 10	10.68
July 1	8.24	21	9.56	Feb. 7	11.70	17	10.64
8	8.44	28	9.46	14	11.68	May 1	10.68
15	8.54	Oct. 12	8.52	21	11.66	8	9.74
22	8.71	19	8.54	28	11.68	15	9.82
29	8.89	26	9.52	Mar. 7	11.70	22	9.86
Aug. 5	8.97	Nov. 2	9.34	14	11.56	29	9.88
19	9.21	9	9.33	21	11.58	June 5	9.84
26	9.23	23	9.36	28	11.14	12	9.92
Sept. 9	9.25	30	9.38	Apr. 4	11.16	19	9.94
16	9.28	Dec. 7	9.40	11	10.96	26	9.98
23	9.31	14	9.42	18	10.92	July 3	9.77
30	9.34	28	9.42	25	10.82	10	9.52
Oct. 7	9.38	Jan. 4, 1969	9.40	May 2	10.64	17	9.53
21	9.42	11	9.38	9	10.58	24	9.52
28	9.44	18	9.40	16	10.54	31	9.52
Nov. 4	9.44	25	9.38	23	10.52	Aug. 7	9.62
18	9.46	Feb. 1	9.40	30	10.54	14	9.83
25	9.48	8	9.38	6	10.26	21	9.92
Dec. 2	9.48	15	9.36	13	10.19	28	9.98
9	9.48	22	9.34	20	10.21	Sept. 4	9.92
16	9.48	Mar. 1	9.32	27	10.20	11	9.85
23	9.48	8	9.34	July 11	10.16	18	9.76
30	9.46	15	9.32	18	10.24	25	9.72
Jan. 13, 1968	9.48	22	9.32	25	10.38	Oct. 2	9.68
20	9.52	29	9.34	Aug. 1	10.56	9	9.72
Feb. 3	9.54	Apr. 5	9.30	8	10.54	16	9.70
10	9.56	12	9.60	14	10.56	23	9.66
17	10.42	19	9.58	22	10.64	30	9.72
24	10.40	26	9.56	29	10.84	Nov. 6	9.70
Mar. 2	10.38	May 3	9.62	Sept. 5	10.77	13	9.64
9	10.36	10	9.56	12	10.72	20	9.56
16	9.74	17	9.62	19	10.62	27	9.52
23	9.66	24	9.62	26	10.64	Dec. 4	9.14
30	9.62	June 21	10.54	Oct. 3	10.62	11	9.18
Apr. 6	9.56	28	10.72	10	10.60	18	9.16

465245N0961910.1. Local number 139.45.1cdd2. Village of Hawley. Drilled unused water-table well in glacial drift, diam 10 in, depth 122 ft. Casing information and lsd not available. 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: 1949-71. Recording gage removed April 1967. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.42	18.26	18.37	16.00	.....	.....	.....	.....	.....	.....	.....	.....
10	18.32	18.23	18.35	16.19	.....	.....	.....	.....	.....	.....	.....	.....
15	18.25	18.40	18.23	16.43	.....	.....	.....	.....	.....	.....	.....	.....
20	18.15	18.24	18.35	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	18.29	18.27	17.87	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	18.25	18.40	16.04	.....	.....	.....	.....	.....	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 18, 1968	17.75	Oct. 29, 1969	17.15	Oct. 12, 1970	18.67	June 16, 1971	18.12
Oct. 9	17.90	Mar. 17, 1970	17.71	Mar. 25, 1971	18.68	Sept. 30	18.44
Apr. 22, 1969	14.67	May 25	16.95				

465237N0963839.1 (revised). Local number 139.47.5cdc. City of Moorhead. Drilled observation water-table well in glacial sand and gravel, diam 8 in, depth 131 ft, slotted 91-107. Lsd not available. 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: 1947-71. Recording gage removed April 1967. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.61	23.47	23.76	23.87	.....	.....	.....	.....	.....	.....	.....	.....
10	25.15	23.35	23.68	23.95	.....	.....	.....	.....	.....	.....	.....	.....
15	24.46	23.32	23.38	23.95	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	23.26	23.14	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	23.73	23.23	23.37	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	23.58	23.21	23.75	.....	.....	.....	.....	.....	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 18, 1968	22.42	Nov. 5, 1969	24.32	Oct. 12, 1970	24.93	June 16, 1971	24.95
Oct. 9	24.66	Mar. 17, 1970	21.81	Mar. 25, 1971	24.53	Sept. 30	25.81
Apr. 22, 1969	22.82	May 25	23.13				

Hennepin County

444801N0932028.1. Local number 27.24.30bdal. City of Bloomington. Terracewood Dr. and Rich Rd. Drilled unused artesian well in Jordan Sandstone of Late Cambrian age, diam 12 in, depth 330 ft, cased to 269. Lsd not available. MP top of recorder platform, 2.20 ft above lsd. Highest water level 63.05 below lsd, Apr. 15, 1969; lowest 74.44 below lsd, July 1, 1970. Records available: 1965-67, 1969-71. No measurement made in 1968. Recording gage installed Mar. 21, 1969. Water levels affected by regional pumping. May 7, 1965, 65.39; Dec. 27, 65.85; Apr. 3, 1966, 65.22; Dec. 20, 67.00; Mar. 23, 1967, 66.95.

Highest water level for the day, from recorder graph, 1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	65.08	64.49	66.15	65.87	69.50	68.25	67.30	66.20	66.36
10	.....	.....	.....	64.36	64.60	68.31	65.90	70.07	67.59	67.38	66.19	66.43
15	.....	.....	.....	63.05	65.58	66.21	66.04	70.89	68.58	66.45	66.23	66.48
20	.....	.....	.....	63.22	65.15	67.13	66.83	.....	68.33	66.33	66.37	66.30
25	.....	.....	65.65	h64.00	64.99	65.48	69.72	70.34	66.90	66.28	66.34	66.40
Eom	.....	.....	65.06	64.69	68.00	65.52	67.25	69.95	67.63	66.24	66.15	66.43

1970

5	66.51	66.63	66.59	.....	h66.62	67.24	68.67	69.62	68.10	67.40	66.32	66.19
10	66.38	66.50	66.73	.....	66.45	69.15	71.07	68.07	67.23	66.78	66.26	66.23
15	66.35	66.60	66.75	.....	66.36	66.55	67.86	69.20	66.78	66.83	65.95	66.09
20	66.41	66.65	66.52	.....	67.64	67.10	67.55	69.10	66.88	66.95	65.93	66.22
25	66.33	66.55	66.68	.....	66.48	68.96	69.69	70.49	66.72	66.49	65.85	65.95
Eom	66.45	66.70	66.76	.....	66.25	71.60	67.10	67.54	66.82	66.56	65.89	66.07

1971

5	66.30	.....	66.06	65.39	66.07	66.94	68.15	68.51	67.04	66.45	65.74	.....
10	66.13	.....	66.13	66.36	67.54	66.43	66.38	69.55	66.73	66.36	65.89	66.63
15	66.23	.....	65.23	66.59	68.50	68.94	66.55	69.62	68.12	66.50	66.00	65.71
20	65.93	66.13	65.77	65.55	66.07	67.15	68.43	68.06	67.97	66.77	65.67	65.88
25	65.95	66.05	65.47	66.47	65.67	66.48	69.71	68.26	66.70	66.22	.....	65.83
Eom	.....	66.33	65.23	65.68	66.93	66.26	66.63	67.72	66.29	66.11	.....	65.95

h Tape measurement.

445842N0931308.1. Local number 29.23.19cddl. Formerly B29.23.19cddl. Burlington Northern, Inc. Formerly Great Northern Ry. Drilled unused artesian well in sandstones of Precambrian and Late Cambrian age, diam 8 to 6 in, reported depth 1,016 ft, slotted 925-1,016. Lsd not available. MP wood floor of instrument shelter, 3.40 ft above lsd. Highest water level 117.55 below lsd, Dec. 25, 1969; lowest 212.47 below lsd, Sept. 16, 1966. Records available: 1954-69. Measurement discontinued. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	200.41	.....	196.73	195.15	195.15	187.40	189.79	189.44	193.46	194.23	191.88	187.61
10	200.55	.....	196.58	195.60	195.24	188.27	190.27	190.51	193.13	193.36	191.66	187.61
15	201.01	.....	196.45	195.36	189.82	188.78	189.35	191.46	194.02	192.77	190.43	188.03
20	.....	.....	195.85	195.85	195.87	189.13	189.85	191.95	193.66	193.31	182.54	187.81
25	.....	.....	195.95	195.00	190.67	188.45	189.00	192.99	193.02	192.86	182.34	182.68
Eom	.....	196.80	195.85	194.76	186.31	187.80	189.71	193.33	193.67	190.78	185.67	181.76

1968

5	183.83	183.29	178.71	177.54	173.95	172.24	168.23	.....	.....	135.28	136.16	129.95
10	183.22	182.65	178.82	178.54	175.08	171.53	169.01	.....	.....	136.08	133.93	128.82
15	183.47	181.85	179.00	176.42	174.52	170.70	170.20	.....	.....	140.48	135.48	126.64
20	183.31	180.74	179.85	176.96	174.34	169.80	170.37	.....	.....	135.13	134.92	128.23
25	181.32	179.24	176.17	176.42	174.35	169.42	171.57	.....	.....	136.31	134.33	124.28
Eom	182.61	179.16	177.98	175.60	171.70	167.54	169.89	.....	138.37	136.62	133.03	125.27

1969

5	121.46	125.85	125.72	125.88	130.57	134.88	130.44	142.88	144.00	134.51	127.91	125.61
10	125.92	125.07	124.95	127.12	125.55	136.13	140.32	137.88	138.07	135.07	126.82	125.20
15	125.83	126.32	125.77	126.72	134.60	125.86	142.01	142.62	142.29	131.21	126.78	124.21
20	125.10	126.50	126.16	124.18	130.10	135.60	136.70	142.35	139.00	129.55	127.64	125.42
25	125.01	126.33	126.36	128.87	125.93	134.20	141.97	141.82	136.63	130.18	126.75	121.85
Eom	126.04	126.40	125.16	126.80	128.30	134.15	141.73	137.85	135.05	128.37	121.71	122.53

445824N0931303.1. Local number 29.23.30bdal. Formerly B29.23.30bdal. Tescom Corporation. 2633 Fourth St. SE., Minneapolis. Drilled unused artesian well in Jordan Sandstone of Late Cambrian age, diam 8 in, depth 445 ft, reported cased to 262. Lsd not available. MP top of wood platform, 12.20 ft below lsd. Highest water level 77.9 below lsd, Apr. 21, Dec. 26, 1952; lowest 146.6 below lsd, Aug. 3, 1969. Records available: 1952-71. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	104.9	100.3	102.3	108.2	110.0	125.5	.....	138.5	.....	128.0	107.8	111.5
10	106.9	106.0	106.7	107.1	112.0	125.3	.....	.....	118.0	114.6	113.1	108.0
15	101.3	106.2	108.2	108.0	107.9	.....	128.6	.....	128.3	111.6	112.6	111.6
20	106.0	102.9	104.9	107.4	116.2	128.6	138.3	121.9	132.5	116.8	110.6	110.9
25	107.2	105.6	103.3	106.5	123.1	.....	137.3	.....	.....	116.5	106.7	100.7
Eom	106.4	105.2	108.9	104.0	116.8	.....	134.8	128.0	.....	112.4	111.8	102.5

1968

5	108.2	105.9	108.7	112.6	.....	.....	.....	126.6	115.6	113.5	110.2
10	110.1	107.6	104.1	114.0	120.9	.....	.....	122.0	114.9	109.4	109.2
15	106.6	109.3	110.3	109.3	.....	125.3	125.5	131.5	124.9	125.8	112.7
20	107.6	107.4	111.0	115.6	118.0	.....	.....	136.1	126.1	.....	112.0
25	108.2	108.4	108.6	116.2	118.3	.....	135.6	136.3	124.1	115.0	110.3
Eom	106.6	108.8	108.3	122.8	117.9	121.5	.....	.....	121.8	115.4	106.8

1969

5	103.2	108.8	106.8	109.2	121.6	122.7	.....	.....	138.2	118.3	111.1	108.8
10	108.3	106.7	104.6	114.2	116.5	.....	134.6	.....	127.5	122.1	109.1	108.1
15	108.2	109.2	107.0	113.1	.....	115.6	140.6	143.4	.....	114.7	109.0	106.2
20	105.8	108.7	107.7	107.8	121.1	.....	130.5	140.0	127.1	111.4	111.4	108.4
25	108.0	108.8	109.8	118.7	114.8	.....	139.0	137.6	123.4	113.1	108.7	100.8
Eom	107.4	109.5	107.3	113.1	122.1	124.0	.....	130.2	121.2	112.0	100.1	104.5

1970

5	102.0	108.6	109.8	106.1	.....	.....	.....	138.0	.....	121.8	111.8	109.7
10	107.7	107.0	109.1	114.1	110.0	.....	.....	134.7	.....	116.6	112.4	111.3
15	108.5	107.1	107.5	113.8	104.4	.....	137.8	141.2	117.0	115.9	105.8	110.0
20	108.5	110.1	109.9	109.2	117.1	130.0	129.2	139.7	122.3	116.1	112.4	102.1
25	105.4	109.8	110.9	114.9	112.2	135.9	140.0	.....	.....	114.7	109.4	99.0
Eom	108.8	108.7	106.5	.....	106.7	138.7	144.3	128.8	123.1	111.7	104.3	103.2

1971

5	101.9	106.1	103.6	99.4	111.5	124.2	114.3	124.0	116.7	114.3	106.2	.....
10	98.5	104.9	105.9	103.9	113.4	123.4	126.5	130.0	125.1	107.7	106.0	105.8
15	106.2	101.9	100.4	105.1	116.3	130.0	121.8	122.3	123.9	112.3	98.3	105.4
20	107.9	106.4	103.2	110.0	116.0	122.2	124.4	131.8	108.4	116.4	108.0	103.3
25	105.1	106.1	105.4	104.8	109.8	126.8	122.8	127.8	113.4	105.7	.....	104.9
Eom	100.5	100.6	100.6	110.3	103.8	129.2	119.6	124.3	120.4	100.6	.....	98.7

445808N0931623.1. Local number 29.24.27dba. Formerly B29.24.27dba. City of Minneapolis. Auditorium, East Grant St. and Third 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. Lsd not available. 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, 1948-71. Water levels affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1967	89.45	Feb. 26, 1968	97.09	Mar. 27, 1969	99.43	Apr. 28, 1970	141.55
Feb. 19	90.05	Mar. 27	109.52	Apr. 25	117.89	May 26	112.34
Apr. 1	95.58	Apr. 26	108.00	May 26	116.40	June 26	153.48
23	92.75	May 29	110.15	June 26	149.85	July 23	155.83
May 22	108.91	June 27	121.30	July 24	157.40	Aug. 26	161.75
June 15	162.50	July 22	155.94	Aug. 25	150.05	Sept. 28	109.55
July 13	145.45	Aug. 29	138.08	Sept. 25	122.93	Oct. 29	112.22
Aug. 25	153.07	Sept. 26	117.08	Oct. 30	105.59	Nov. 25	103.42
Sept. 22	137.09	Oct. 29	105.79	Nov. 25	99.23	Dec. 28	96.69
Oct. 30	102.15	Nov. 21	100.05	Dec. 23	100.37	Jan. 27, 1971	100.92
Nov. 30	100.68	Dec. 20	98.50	Jan. 28, 1970	99.12	Feb. 26	102.09
Dec. 28	98.15	Jan. 22, 1969	99.58	Feb. 24	101.95	Mar. 30	98.60
Jan. 29, 1968	99.89	Feb. 27	100.09	Mar. 20	102.65	Aug. 26	152.45

445615N032123.1. 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: 1953-71. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	76.0	.....	.....	77.4	81.2	95.4	82.4	102.7	91.2	.....	75.5	.....
10	.....	.....	.....	77.2	82.2	87.8	86.8	93.1	90.8	.....	77.8	.....
15	.....	.....	.....	77.3	82.9	89.3	92.1	98.5	88.7	78.1	75.3	.....
20	.....	.....	.....	76.2	88.3	88.2	105.9	90.3	90.2	81.8	.....	.....
25	.....	.....	76.7	75.7	.....	80.3	103.0	93.4	.....	79.7	.....	.....
Eom	.....	.....	79.1	79.0	96.2	91.6	105.1	89.2	.....	77.5	76.7	73.3

1968

5	77.8	76.8	76.9	80.6	81.7	89.2	84.8	90.9	88.2	.....	76.8	77.0
10	78.2	78.2	74.8	80.4	80.9	.....	98.1	92.1	82.5	79.4	74.2	75.4
15	77.3	78.3	77.8	79.4	81.8	.....	89.0	94.7	87.7	82.7	74.4	74.4
20	78.1	76.9	77.6	81.1	77.5	.....	92.6	94.7	84.2	77.1	77.0	76.1
25	78.7	74.8	78.5	78.8	79.7	.....	91.7	98.4	82.5	78.9	75.8	72.7
Eom	78.5	77.2	79.4	82.7	77.1	80.9	89.3	95.3	82.1	78.6	73.4	74.4



445615N0932123.1--Continued.

1969												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	73.0	76.1	77.3	75.7	...	91.9	82.9	100.8	93.9	85.1	77.5	78.0
10	76.3	74.8	75.8	78.7	...	97.5	88.4	97.3	89.4	85.2	76.6	78.4
15	75.3	76.9	77.0	78.2	87.7	88.1	90.1	106.5	95.8	81.8	75.3	75.6
20	75.5	77.1	77.6	76.8	83.3	89.3	90.0	105.2	90.8	80.3	77.4	77.6
25	75.3	76.9	76.8	81.8	79.3	83.7	98.1	104.8	96.2	80.2	76.4	75.1
Eom	76.0	77.6	75.2	78.4	91.4	82.8	95.4	100.5	85.3	78.5	73.0	77.2
1970												
5	77.2	78.7	78.0	76.5	81.9	90.9	94.1	95.9	93.6	86.1	....	....
10	77.6	77.8	76.9	80.0	84.0	98.2	108.5	91.4	90.1	82.6	....	78.8
15	78.0	75.7	76.2	...	83.8	88.7	97.1	99.8	84.1	81.6	....	78.0
20	77.9	77.8	78.7	79.8	92.3	90.6	90.2	100.0	83.2	....	....	76.9
25	75.6	77.3	78.7	80.6	84.8	99.1	100.9	104.3	83.9	....	h77.4	76.5
Eom	77.1	77.2	78.0	87.3	81.3	106.3	93.3	89.4	84.7	80.2	....	77.1
1971												
5	77.5	76.8	79.5	76.8	83.2	87.7	92.5	96.2	91.6	85.4	....	....
10	76.4	77.1	78.4	79.5	85.0	87.0	91.1	101.9	90.8	80.2	....	....
15	...	76.5	75.3	80.9	78.2	94.9	89.3	98.4	91.7	....	....	....
20	78.5	78.0	77.2	83.2	85.5	93.2	96.6	94.4	89.7	....	....	....
25	77.6	79.1	76.8	79.9	82.0	90.6	101.0	98.1	86.6	....	....	81.7
Eom	74.4	75.9	76.7	80.5	83.4	91.1	88.9	97.5	87.9	....	....	80.3

h Tape measurement.

445347N0932139.1. Local number 117.21.32dad1. Village of Edina, well 9. Hansen Rd. and Benton Ave. Drilled public-supply artesian well in Hinckley Sandstone, of Winchell (1886), of Precambrian age, diam 16 to 10 in, depth 1,130 ft, cased 24-in 0-124, 16-in 0-563, 10-in 533-1,010. Lsd not available. MP hole in east side of pumpbase, 2.00 ft above lsd. Highest water level 230.81 below lsd, Apr. 20, 1962; lowest 369.60 below lsd, Aug. 28, 1970. Records available: 1961-71. Water levels affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 22, 1961	b302.36	Nov. 22, 1963	b278.42	Aug. 31, 1966	313.27	Apr. 25, 1969	308.20
Sept. 15	252.48	Dec. 20	254.62	Sept. 28	314.74	May 26	321.00
Oct. 5	252.18	Jan. 17, 1964	252.16	Oct. 28	303.3	June 26	321.28
Nov. 2	252.70	Feb. 10	260.36	Nov. 28	296.0	Sept. 25	338.15
30	253.33	Mar. 12	251.48	Dec. 22	296.3	Oct. 30	326.04
Dec. 28	244.19	Apr. 9	251.78	Jan. 22, 1967	295.97	Nov. 25	329.54
Jan. 26, 1962	250.02	May 7	257.39	Feb. 19	302.8	Dec. 23	325.23
Feb. 23	241.58	June 7	a323.28	Apr. 26	293.0	Jan. 28, 1970	324.67
Mar. 22	235.88	Aug. 31	297.72	May 25	305.14	Feb. 24	322.69
Apr. 20	230.81	Sept. 28	268.26	June 15	291.36	Mar. 20	311.13
May 18	235.27	Oct. 26	261.85	July 13	288.21	Apr. 28	303.58
June 15	237.15	Nov. 28	257.67	Aug. 25	313.63	May 26	302.56
July 12	a312.29	Dec. 23	256.16	Sept. 22	307.05	June 26	328.60
Aug. 10	a307.43	Jan. 25, 1965	255.21	Oct. 30	295.97	July 23	330.31
Sept. 7	242.92	Feb. 22	263.00	Nov. 30	298.36	Aug. 28	369.60
Oct. 26	238.96	Mar. 25	260.42	Dec. 28	298.92	Sept. 8	334.68
Dec. 1	238.86	Apr. 23	259.96	Jan. 29, 1968	294.60	Oct. 28	318.34
26	244.52	May 11	270.26	Feb. 26	295.36	Oct. 29	315.30
Jan. 23, 1963	240.58	July 16	289.07	Mar. 27	298.28	Nov. 25	312.60
Feb. 19	242.60	Sept. 10	294.77	Apr. 26	286.72	Dec. 28	308.62
Mar. 23	a254.40	Oct. 11	290.28	May 29	293.30	Jan. 27, 1971	302.03
Apr. 14	246.23	Nov. 9	290.22	June 27	304.99	Feb. 26	314.38
May 14	252.78	Dec. 9	288.02	July 23	328.61	Mar. 30	319.35
June 11	244.85	Jan. 26, 1966	284.68	Aug. 29	345.13	Apr. 27	306.40
July 10	a314.22	Feb. 24	289.11	Sept. 26	312.65	May 27	300.26
Aug. 13	a313.18	Mar. 22	289.31	Oct. 29	312.70	June 29	301.95
14	255.80	Apr. 14	289.36	Nov. 21	312.24	July 29	312.47
Sept. 3	255.23	May 12	291.06	Dec. 20	320.92	Aug. 20	331.27
Oct. 1	249.83	June 11	300.12	Jan. 22, 1969	320.05	Sept. 28	303.50
27	257.00	Aug. 5	b321.29	Feb. 27	308.04	Dec. 6	285.50
				Mar. 27	303.84		

a Well being pumped.

b Well pumped recently.

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 29.42 below lsd, Aug. 28, 1970. Records available: 1942-46, 1948-71. Recording gage removed April 1971. Water levels affected by regional pumping. May 21, 1971, 22.98; July 9, 23.65; Aug. 19, 27.17; Oct. 5, 22.60; Dec. 6, 21.01.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.04	19.13	19.00	18.78	18.92	24.64	19.60	26.46	....	22.91	20.02	19.56
10	19.15	18.88	18.96	18.87	18.90	21.12	19.59	23.56	....	21.09	19.86	19.68
15	19.05	18.90	19.22	18.59	19.11	20.16	22.53	24.86	21.62	20.51	20.21	19.70
20	18.98	18.97	19.05	18.66	21.61	19.71	24.06	....	21.53	20.53	19.79	19.39
25	19.17	19.13	18.93	18.75	22.70	19.73	24.15	....	21.57	20.65	19.44	19.42
Eom	19.04	19.06	18.94	19.04	24.47	19.59	25.32	....	21.55	20.44	19.61	19.50

1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.56	19.69	19.54	20.03	21.38	20.72	22.42	22.84	23.04	21.00	19.72	19.50
10	19.67	19.63	19.63	20.12	20.50	22.08	24.16	22.27	22.02	20.36	19.62	19.55
15	19.61	19.56	20.00	19.86	20.26	21.09	22.18	24.29	23.25	20.12	19.66	19.58
20	19.61	19.64	19.62	19.80	20.38	20.81	22.32	23.36	21.59	19.98	19.53	19.38
25	19.52	19.62	19.41	19.84	20.30	20.60	23.10	24.96	21.11	19.90	19.70	....
Eom	19.50	19.63	19.74	20.54	20.07	20.32	22.22	25.46	21.03	19.64	19.72	19.24

445740N0933330.1--Continued.

1969												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.12	....	19.08	18.90	19.05	21.66	21.92	24.38	26.14	23.32	20.76	20.45
10	19.28	19.06	19.13	18.85	19.34	23.34	21.33	24.74	25.58	23.03	20.72	20.23
15	.....	19.25	19.14	18.92	20.30	23.21	21.86	26.96	25.62	21.86	20.51	20.37
20	.....	19.26	19.01	18.87	21.22	23.09	22.20	28.16	25.61	21.33	20.61	20.28
25	19.20	19.14	18.98	19.58	19.84	20.96	23.79	28.34	23.80	21.23	20.60	20.15
Eom	19.11	19.14	19.07	19.15	22.53	20.68	22.34	28.28	23.22	21.68	20.37	.....
1970												
5	20.17	20.14	20.17	20.23	20.83	21.90	25.36	27.05	25.27	22.35	21.15	20.70
10	20.13	20.09	20.23	20.38	21.85	23.61	27.80	25.35	24.60	21.74	20.90	20.71
15	.....	20.13	20.30	20.42	20.91	22.29	26.00	26.43	23.25	22.45	21.00	20.48
20	20.26	20.55	20.19	20.06	22.98	22.57	25.68	26.73	22.38	21.81	20.67	20.60
25	.....	20.40	20.14	20.17	21.45	23.63	26.81	27.95	22.13	21.41	20.54	20.55
Eom	20.05	20.30	20.28	20.41	20.90	25.57	25.81	25.71	22.22	21.27	20.55	20.35
1971												
5	20.44	20.23	20.68	20.77	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	20.28	20.65	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	20.65	.....	20.64	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	20.40	20.61	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	20.30	20.26	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	20.35	20.56	20.32	.....	.....	.....	.....	.....	.....	.....	.....	.....

450223N0932318.1. Local number 118.21.7dcb1. Village of New Hope. 47th Ave. North and Aquila Ave. Drilled unused artesian well in Jordan Sandstone of Late Cambrian age, diam 16 in, depth 422 ft, cased to 339. Lsd not available. MP top of wood platform, 3.00 ft above lsd. Highest water level 60.46 below lsd, Dec. 17, 1967; lowest 71.35 below lsd, July 11, 1970. Records available: 1965-71. Recording gage installed September 1965. Water levels affected by regional pumping. Oct. 15, 1965, 64.6; Dec. 23, 61.7; Apr. 22, 1966, 62.2; Aug. 3, 68.5.

Lowest water level for the day, from recorder graph, 1966												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	63.62	62.70	61.39
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	64.02	62.30	62.12
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	63.50	61.91	61.74
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	63.15	61.95	61.46
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	62.92	61.58	61.50
Eom	.....	.....	.....	.....	.....	.....	.....	.....	64.07	62.63	62.24	62.40

1967												
5	61.43	61.40	61.58	62.47	62.19	65.38	62.78	67.62	65.21	64.83	62.90	61.64
10	61.62	61.03	61.82	61.53	61.70	64.36	63.37	65.94	65.67	63.16	62.37	61.75
15	61.76	61.54	62.45	61.85	62.74	64.36	64.25	65.89	66.04	63.12	62.14	61.85
20	62.40	61.44	61.45	61.60	63.50	63.53	66.52	65.88	64.69	63.14	61.95	61.37
25	61.81	62.09	61.60	61.70	64.00	63.61	67.21	65.87	63.95	63.12	61.52	60.98
Eom	61.56	61.71	62.05	61.74	64.45	64.23	67.05	65.57	63.91	62.40	62.07	61.46

1968												
5	61.81	61.68	61.48	62.43	64.55	64.68	64.70	65.80	65.67	64.32	62.28	61.85
10	61.92	61.71	61.60	62.10	63.86	65.86	66.55	67.02	64.98	63.65	61.92	61.66
15	61.38	61.50	61.53	62.12	63.60	65.38	65.62	66.45	66.00	63.50	61.95	62.10
20	61.67	61.62	61.76	63.17	63.27	65.22	66.44	66.64	65.32	63.32	61.95	61.77
25	61.51	61.53	61.22	63.00	64.05	64.55	66.41	68.00	64.69	63.00	61.88	61.46
Eom	61.44	61.71	62.39	63.21	63.42	64.09	65.52	67.15	63.95	62.40	61.61	61.22

1969												
5	61.20	61.72	61.25	61.13	61.98	65.14	64.30	67.10	66.83	65.65	62.81	62.95
10	61.73	60.98	61.20	61.86	62.81	65.98	64.37	68.13	66.06	65.08	62.93	62.93
15	61.42	61.63	61.47	62.27	63.55	65.60	65.22	69.45	67.01	64.81	63.03	62.30
20	61.02	61.52	61.45	62.12	63.32	66.13	65.66	69.00	67.19	63.49	63.26	62.90
25	61.87	61.24	61.13	62.26	63.12	63.80	67.25	69.22	65.42	63.60	63.10	62.42
Eom	61.55	61.34	61.20	62.11	65.66	63.97	66.00	69.02	64.70	63.15	62.25	62.40

1970												
5	62.47	63.00	62.81	62.78	64.25	65.65	68.35	68.47	68.06	65.16	64.31	63.57
10	62.81	62.55	62.65	63.40	64.80	67.10	70.91	67.52	66.95	65.52	63.92	63.37
15	62.66	62.78	62.63	63.17	64.62	66.50	68.28	67.99	65.55	65.30	64.05	63.01
20	62.83	63.30	62.79	62.77	65.40	66.28	67.90	68.40	65.42	64.71	63.61	63.15
25	62.49	62.75	62.52	63.47	64.77	67.81	69.17	69.72	65.81	64.78	63.09	62.74
Eom	62.85	62.90	62.45	64.93	64.77	69.00	67.72	67.80	65.61	64.52	62.71	62.73

1971												
5	.....	.....	62.46	62.53	63.30	64.78	66.02	66.77	66.81	65.89	63.86	.....
10	62.78	.....	62.50	62.73	64.35	65.15	66.25	67.17	66.01	65.47	63.57	62.82
15	63.51	.....	62.03	62.47	65.50	66.00	65.19	67.70	65.96	65.67	63.60	62.85
20	63.03	.....	62.38	63.07	65.17	66.58	66.48	67.83	65.55	65.65	63.96	62.66
25	62.80	62.09	62.27	63.28	64.00	66.08	66.68	66.76	66.01	64.81	.....	62.94
Eom	.....	62.42	61.99	63.33	64.14	66.05	65.89	67.05	66.13	64.06	.....	62.80

## 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. Lsd not available. 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: 1956-67. Measurement discontinued. Water levels affected by pumping.

481604N0963915.3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1967	21.50	Feb. 28, 1967	20.68	May 1, 1967	19.03	July 2, 1967	23.65
31	17.65	Mar. 31	21.49	June 1	22.58	30	26.04

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, well point 56-59 (previously reported screened 56-59). Lsd not available. 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: 1949-71. Measured by John F. Wetzel.

Jan. 6, 1967	10.80	Apr. 5, 1968	14.31	July 11, 1969	11.48	Oct. 9, 1970	12.63
13	11.20	11	14.25	18	11.59	16	12.36
20	11.17	19	14.09	25	11.92	23	12.55
27	10.60	26	14.08	Aug. 1	11.25	30	12.47
Feb. 3	11.39	May 3	14.06	8	10.95	Nov. 6	12.52
10	11.60	10	13.79	15	10.91	13	12.16
17	11.42	17	13.77	22	10.90	20	12.38
24	11.52	24	13.52	29	11.05	27	11.96
Mar. 3	11.69	31	13.43	Sept. 5	11.02	Dec. 5	11.50
10	11.95	June 7	13.47	12	11.23	11	11.40
17	11.54	14	13.39	19	11.21	18	11.70
23	11.96	21	13.93	26	11.21	24	11.93
31	11.85	July 5	13.93	Oct. 3	11.29	31	11.95
Apr. 7	11.46	12	14.06	10	11.32	Jan. 8, 1971	12.66
14	11.53	19	13.57	17	11.46	15	12.34
21	11.41	26	13.59	24	11.49	22	12.49
28	11.26	Aug. 2	13.35	31	11.51	29	12.54
May 5	11.19	9	13.32	Nov. 7	11.59	Feb. 5	12.69
12	11.31	16	13.14	14	11.52	12	12.77
19	11.41	23	13.39	21	11.91	19	12.62
26	11.51	30	12.80	Dec. 5	12.01	26	12.81
June 2	11.39	Sept. 6	12.57	12	12.29	Mar. 5	12.56
9	11.52	13	12.48	19	12.41	12	12.62
16	12.25	20	12.41	26	12.22	19	12.65
23	12.42	27	12.39	Jan. 2, 1970	12.20	26	12.84
30	12.32	Oct. 4	12.46	9	12.18	Apr. 2	12.44
July 7	12.04	11	12.41	16	12.29	9	12.02
14	12.16	18	12.21	23	12.61	16	11.80
21	12.71	25	11.67	30	12.79	23	11.75
28	12.97	Nov. 1	11.44	Feb. 6	12.84	30	11.63
Aug. 4	12.92	8	11.41	13	12.91	May 7	11.51
11	12.87	15	11.31	20	12.96	14	11.49
18	12.97	22	11.31	27	13.06	28	11.47
25	13.17	Dec. 6	11.41	Mar. 6	13.14	June 4	11.57
Sept. 1	12.88	13	11.51	13	13.19	11	11.37
8	12.43	20	11.55	20	13.33	18	12.09
15	12.29	27	11.55	27	13.49	25	12.12
22	12.15	Jan. 3, 1969	11.66	Apr. 3	13.45	July 2	11.67
29	12.16	10	11.30	10	13.45	9	11.40
Oct. 6	12.32	17	11.00	17	12.99	16	11.19
13	12.52	24	11.40	24	12.98	23	11.69
20	12.34	31	11.99	May 1	12.58	30	12.15
27	12.26	Feb. 7	12.09	7	12.36	Aug. 6	11.94
Nov. 3	12.29	14	12.14	15	12.02	13	12.57
10	12.51	20	12.17	22	11.98	20	12.11
17	12.51	28	12.23	29	11.87	27	12.11
24	12.69	Mar. 7	12.27	June 5	12.01	Sept. 3	11.87
Dec. 1	12.59	14	12.33	12	11.30	10	11.88
8	12.67	21	12.37	19	11.20	17	11.84
15	12.69	28	12.27	27	12.16	24	11.72
22	13.00	Apr. 3	12.29	July 3	12.24	Oct. 1	11.82
29	13.22	11	11.19	10	11.97	8	11.86
Jan. 5, 1968	13.35	18	10.98	18	12.15	15	11.85
12	13.34	25	10.71	25	12.72	22	11.46
19	13.45	May 2	10.77	31	12.40	29	11.26
26	13.51	9	10.67	Aug. 7	13.02	Nov. 5	10.23
Feb. 2	13.61	16	10.49	14	13.17	12	10.09
9	13.49	23	10.49	21	13.15	19	9.95
16	13.74	29	10.39	28	12.83	26	9.91
Mar. 1	14.05	June 6	10.39	Sept. 4	12.71	Dec. 3	9.95
8	14.06	13	10.39	11	12.47	10	9.84
15	14.11	20	10.64	18	12.33	17	10.01
22	13.87	27	11.09	25	12.31	23	10.01
29	14.25	July 3	11.29	Oct. 2	12.58	30	10.00

Olmsted County

440122N0922753.1. Local number 107.14.35dcd1. Kahler Corp. Kahler Hotel, First St. and Second Ave. SW., Rochester. Drilled untested artesian well in Jordan Sandstone of Late Cambrian age, diam 15 in, depth 517 ft, reported cased to about 100. Lsd not available. MP top of wood platform, 14.50 ft below lsd. Highest water level 23.9 below lsd, Apr. 18, 1960; lowest 81.2 below lsd, July 12, 1966. Records available: 1957-68. Measurement discontinued. Water levels affected by regional pumping.

440122N0922753.1--Continued.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	56.5	37.1	39.4	53.2	42.5	50.0	58.9	71.8	57.8	61.5	46.2	54.4
10	51.3	69.1	40.7	40.3	41.2	54.2	59.4	60.6	45.9	53.8	60.8	55.5
14	40.2	52.4	52.7	42.4	48.6	75.4	44.9	60.0	62.2	46.7	43.3	53.5
20	44.0		39.6	40.3	42.7	80.8		56.2	56.2	41.1	58.2	
25	55.6	47.5	51.3	44.7	61.3	47.8	82.3	75.4	49.7	45.1	45.2	32.3
Eom	43.8	50.0	52.0	52.7	55.9	72.5	80.8	60.2	48.4	43.0	46.5	33.3

	1968											
5	55.9	48.2	44.9	54.6	40.5	...	59.7	...	68.5	38.8	45.8	62.0
10	51.7	50.3	35.2	58.2	46.5	...	...	60.4	48.5	48.7	36.6	45.2
15	54.9	59.7	48.7	59.1	62.9	46.2	...	64.7	56.2	55.7	55.9	36.4
20	48.0	45.9	53.6	40.5	42.6	63.3	...	62.1	51.5	39.2	55.8	45.0
25	53.9	38.4	57.2	43.3	41.3	52.7	...	58.0	50.3	45.7	50.5	36.0
Eom	60.0	58.6	45.7	48.0	45.3	48.6	...	59.0	44.8	49.7	38.4	39.1

Ramsey County

445945N0930606.1. Local number 29.22.18cbd4. City of St. Paul. McCarron, well 4. Drilled  
unused areas in sandstones and limestones. Cambrian Ordovician, diam 12 in, depth  
706 ft raised to 185. Log 8 ft above water level. WF of recorder in form 12.00 ft above  
Highest water level 45.50 below land, Dec. 29, 1969; lowest 52.95 below land Aug. 24, 1968. Records  
available: 1967-71. Recording gage removed May 18, 1970. Water levels affected by regional pump-  
ing.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	46.48	46.40	46.33	46.61	.....	48.03	51.13	49.38	50.46	.....	47.75
10	.....	46.58	46.63	46.25	46.80	.....	48.73	50.80	50.40	49.23	48.03	.....
15	.....	46.68	46.63	46.55	46.40	49.32	.....	50.65	50.34	49.20	47.97	48.34
20	46.38	46.46	46.28	46.37	46.50	48.50	50.20	50.80	49.75	47.75	47.85	.....
25	46.65	46.25	46.33	46.25	47.00	48.92	50.44	50.85	49.78	49.04	47.52	47.44
Eom	46.48	46.47	46.65	46.62	47.75	49.60	50.48	50.47	49.63	48.27	47.86	47.54

1968												
5	47.64	47.03	47.37	48.99	50.48	50.86	50.19	51.80	51.33	.....	.....	47.80
10	47.53	47.36	47.53	48.85	49.99	51.22	51.24	52.54	50.67	.....	.....	47.46
15	47.38	47.40	47.67	48.77	50.50	51.34	51.15	52.00	51.33	50.00	48.47	48.00
20	47.55	47.41	47.73	49.55	49.90	50.62	51.87	51.58	.....	49.80	48.35	47.97
25	47.43	47.37	47.34	49.53	50.20	50.53	51.95	52.88	.....	.....	48.15	47.58
Eom	47.14	47.42	47.96	49.40	49.77	50.10	51.92	52.38	.....	.....	47.88	47.28

1969												
5	47.07	47.05	46.88	46.78	47.52	....	49.36	50.28	51.00	49.78	47.41	46.70
10	47.47	46.85	46.73	46.97	48.23	49.28	49.54	50.73	50.27	49.22	47.21	46.64
15	47.15	47.32	47.02	46.79	48.32	48.87	49.97	51.25	50.48	48.22	47.26	46.52
20	46.93	47.22	46.98	46.78	....	49.79	50.07	51.18	50.52	....	47.14	46.70
25	47.41	46.98	46.80	47.28	....	48.85	50.46	50.92	49.67	....	46.85	46.35
Eom	47.34	47.19	46.71	47.20	....	49.10	50.40	51.72	49.05	47.62	46.09	45.91

	1970									
5	45.73	46.32	46.31	46.15	48.14	.....	.....	.....	.....	.....
10	46.30	45.98	46.08	47.02	48.58	.....	.....	.....	.....	.....
15	46.33	46.25	46.24	47.50	47.62	.....	.....	.....	.....	.....
20	46.35	46.49	46.35	47.20	.....	.....	.....	.....	.....	.....
25	46.08	46.28	46.25	47.62	.....	.....	.....	.....	.....	.....
Eom	46.33	46.48	45.85	48.92	.....	.....	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 18, 1970	50.54	Oct. 6, 1970	50.52	Jan. 5, 1971	46.00	Apr. 7, 1971	45.68
July 15	51.66	Nov. 20	47.98	Feb. 19	46.00	Aug. 23	49.66
Aug. 27	52.66	Dec. 15	47.14				

45025WN0930544.1. Log number 30.22 31abel. City of St. Paul. Vadnais Lake, well A. Drilled  
unusually close to 31.1 sandstones and dolomite of Cambrian and Ordovician age, diam 10 in, depth  
726 ft. cased to 311. Lsd not available. MP top of recorder platform, at lsd. Highest water  
level 25.18 below lsd, Apr. 30, 1967; lowest 31.34 below lsd, Aug. 6, 1970. Records available:  
1966-71. Recording gage removed April 1971. Water levels affected by regional pumping. Apr. 7,  
1971. 27.98; Aug. 23, 28.67.

[illegible]

450254N0930544.1--Continued.

1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	26.25	26.11	25.80	25.49	25.76	25.61	26.24	.....	.....	26.50	26.66
10	26.25	26.15	26.14	25.84	25.40	25.77	25.71	26.14	.....	26.27	26.42	26.76
15	26.20	26.18	26.31	25.64	25.38	25.89	25.91	26.16	26.28	26.26	26.59	26.94
20	26.05	26.12	26.08	25.50	25.55	25.82	26.04	26.13	.....	26.26	26.61	26.86
25	26.24	26.27	26.12	25.54	25.45	25.83	25.84	26.21	.....	26.34	26.56	26.86
Eom	26.15	26.19	26.04	25.36	25.79	25.82	26.18	26.30	.....	26.47	26.65	26.82

1968												
5	26.76	26.68	26.68	28.06	28.80	28.00	27.34	27.27	27.70	27.28	26.67	26.49
10	26.71	26.61	26.76	28.18	28.85	27.90	27.52	27.30	27.52	27.22	26.62	26.51
15	26.58	26.57	26.71	28.45	28.82	27.77	27.27	27.23	27.53	27.06	26.52	26.71
20	26.63	26.69	26.81	28.66	29.18	27.52	27.37	27.37	27.48	27.04	26.59	26.51
25	26.55	26.68	26.62	28.83	28.74	27.36	27.42	27.69	27.35	26.85	26.55	26.55
Eom	26.54	26.71	26.80	28.41	28.06	27.28	27.32	27.76	27.31	26.64	26.48	...

1969												
5	.....	26.25	26.15	25.98	25.52	26.23	26.48	27.01	29.23	28.82	28.26	27.87
10	26.47	26.15	26.22	25.87	25.52	26.30	26.42	27.19	29.43	28.70	28.26	27.84
15	26.34	26.28	26.22	25.68	25.60	26.37	26.56	27.44	29.72	28.57	28.19	27.88
20	26.24	26.29	26.19	25.63	25.81	26.61	26.72	27.66	29.95	28.54	28.16	27.78
25	26.45	26.21	26.06	25.54	25.78	26.28	26.78	28.89	29.88	28.46	28.06	27.71
Eom	26.33	26.21	26.06	25.58	25.93	26.44	26.74	29.17	28.91	28.29	27.88	27.67

1970												
5	27.74	27.74	27.64	27.51	27.73	28.07	28.78	31.29	30.14	29.74	29.32	28.90
10	27.70	27.65	27.64	27.65	27.62	28.22	29.99	31.29	30.13	29.89	29.22	28.82
15	27.62	27.70	27.69	27.62	27.58	27.99	30.30	30.17	29.96	29.83	29.14	28.59
20	27.78	27.76	27.59	27.53	27.76	28.20	30.59	30.11	29.77	29.68	29.00	28.68
25	27.63	27.75	27.61	.....	27.80	28.40	31.04	30.24	29.88	29.63	28.82	28.55
Eom	27.64	27.74	27.63	.....	27.79	28.78	30.97	30.11	29.80	29.51	28.83	28.50

1971												
5	28.56	28.42	28.34	28.23	.....	.....	.....	.....	.....	.....	.....	.....
10	28.48	28.39	28.25	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	28.60	28.26	28.36	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	28.26	28.31	28.12	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	28.30	28.18	28.18	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	28.42	28.49	27.95	.....	.....	.....	.....	.....	.....	.....	.....	.....

St. Louis County

472638N0925336.1. Local number 57.20.5dad1. Formerly B57.20.5dad1. Burlington Northern, Inc. Formerly Great Northern Ry. Drilled unused artesian well in Biwabik Iron-Formation of Precambrian age, diam 12 to 6 in, depth 430 ft, cased to 315. Lsd not available. MP top of wood platform, 1.20 ft above lsd. Highest water level 55.69 below lsd, Dec. 17, 1971; lowest 69.07 below lsd, Jan. 16, 1965. Records available: 1955-71. Recording gage removed Oct. 8, 1969.

## Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	61.74	61.80	61.77	61.94	61.77	61.56	61.19	61.12	61.25	61.27	61.21	61.22
10	61.78	61.64	61.82	62.03	61.68	61.41	61.12	61.10	61.25	.....	61.10	61.21
15	61.71	61.68	61.93	61.90	61.63	61.25	61.13	61.10	61.16	61.13	61.25	61.35
20	61.64	61.74	61.86	61.89	61.66	61.11	61.18	61.10	61.12	61.14	61.26	61.28
25	61.78	61.83	61.83	61.94	61.58	61.24	61.02	61.11	61.13	61.08	61.07	61.20
Eom	61.64	61.79	61.90	61.74	61.57	61.08	61.06	61.27	61.16	61.16	61.24	61.32

1968												
5	.....	61.40	61.53	61.66	61.45	60.95	60.47	60.16	59.66	59.16	58.72	58.34
10	.....	61.43	61.60	61.61	61.37	60.84	60.49	60.14	59.60	59.01	58.62	58.35
15	.....	61.40	61.59	61.54	61.30	60.69	60.30	60.02	59.51	58.92	58.56	58.25
20	.....	61.49	61.69	61.47	61.18	60.67	60.26	59.96	59.36	58.80	58.59	58.13
25	.....	61.53	61.61	61.39	61.22	60.66	60.31	59.80	59.25	58.80	58.51	58.04
Eom	.....	61.55	61.71	61.43	61.03	60.50	60.14	59.73	59.23	58.66	58.42	57.93

1969											
5	57.85	57.47	57.22	.....	57.36	.....	56.66	.....	56.41	56.29	.....
10	57.78	57.42	57.29	.....	57.26	.....	56.64	.....	56.47	.....	.....
15	57.81	57.53	57.30	57.51	57.20	56.89	.....	56.38	56.44	.....	.....
20	57.64	57.48	57.30	57.53	.....	56.83	.....	56.53	56.48	.....	.....
25	57.58	57.46	57.38	57.48	.....	56.74	.....	56.52	56.38	.....	.....
Eom	57.51	57.46	57.46	57.51	.....	56.76	.....	56.48	56.34	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 4, 1969	56.00	June 18, 1970	56.87	Jan. 11, 1971	57.41	Aug. 6, 1971	57.16
Dec. 22	55.90	July 27	57.05	Feb. 12	57.66	Sept. 16	56.61
Jan. 28, 1970	56.02	Aug. 21	59.70	Mar. 24	57.75	Oct. 8	56.37
Mar. 3	56.34	Sept. 28	57.62	Apr. 28	58.22	Nov. 12	56.02
Apr. 7	56.75	Oct. 30	57.53	May 21	58.01	Dec. 17	55.69
May 5	56.95	Dec. 10	57.48	June 25	57.52		

473011N0925243.1. Local number 58.20.16dbcl. Formerly B58.20.16dbcl. City of Chisholm. Drilled unused artesian well in glacial outwash sand and gravel, diam 12 in, depth 40 ft, cased 30-40. Lsd not available. MP top of wood platform, 1.70 ft above lsd. Highest water level 0.23 below lsd, May 10, 1954; lowest 15.60 below lsd, Mar. 23-24, 1957. Records available: 1953-71. Recording gage removed Oct. 8, 1969. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.78	10.48	10.58	8.31	5.98	7.00	6.70	9.20	10.49	11.55	10.52	12.16
10	10.72	11.97	11.97	7.41	6.02	7.05	6.65	9.54	9.48	11.43	11.89	10.99
15	9.41	12.08	12.18	7.16	5.49	6.43	7.63	9.59	11.15	10.07	11.93	12.46
20	11.00	11.97	12.07	6.15	6.15	5.85	8.10	8.18	11.07	11.61	11.72	12.50
25	11.10	12.40	12.40	6.14	6.52	3.59	7.96	10.11	10.94	11.66	12.05	12.24
Eom	11.61	11.82	9.89	3.85	6.92	6.52	8.21	10.37	11.37	11.60	12.20	.....

1968

5	.....	13.20	13.88	11.35	4.77	6.73	4.76	6.35	5.97	4.93	5.70	7.40
10	.....	13.56	12.77	10.31	7.07	4.69	5.62	6.85	5.75	6.01	5.40	7.55
15	.....	.....	14.06	9.70	7.02	4.12	5.61	7.16	4.32	5.86	6.44	5.88
20	.....	.....	13.30	8.76	6.62	4.70	4.90	7.11	4.80	1.74	6.58	....
25	.....	.....	12.63	8.00	7.12	5.04	5.75	1.73	5.27	4.67	6.58	....
Eom	.....	.....	10.17	6.75	6.74	3.95	6.30	5.30	4.26	5.25	7.18	8.91

1969

5	.....	9.55	10.06	9.38	4.80	5.90	7.83	9.35	10.82	8.65	.....	.....
10	8.78	9.25	9.85	4.36	5.36	6.10	8.45	7.93	10.67	.....	.....	.....
15	9.00	9.57	10.15	3.77	5.65	4.33	8.57	9.90	10.33	.....	.....	.....
20	8.71	9.87	10.19	1.50	5.16	7.19	7.17	10.15	10.65	.....	.....	.....
25	9.14	9.82	9.96	4.74	3.20	7.27	9.22	10.38	10.37	.....	.....	.....
Eom	9.27	10.00	9.54	5.15	6.13	7.36	9.45	9.15	10.16	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 4, 1969	7.38	July 27, 1970	10.36	Feb. 12, 1971	11.68	Aug. 6, 1971	10.40
Dec. 22	9.25	Aug. 20	13.99	Mar. 24	12.18	Sept. 3	11.11
Jan. 28, 1970	9.95	Sept. 28	12.97	Apr. 28	5.94	Oct. 8	11.54
Feb. 27	11.17	Dec. 11	9.87	May 21	7.09	Nov. 12	8.50
Mar. 7	10.55	Jan. 11, 1971	9.73	June 25	5.50	Dec. 17	9.05
June 18	9.60						

## Washington County

450328N0924829.1. Local number 30.20.28acd1. City of Stillwater, well 3. Mulberry and Second St. Drilled unused artesian well in sandstones of Cambrian age, diam 24 in, depth 440 ft, cased to 237. Lsd not available. MP top of wood platform, 1.30 ft above lsd. Highest water level 7.9 below lsd, Apr. 20-21, 1969; lowest 26.8 below lsd, July 29, 1967. Records available: 1967-71. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	22.7	.....	.....	23.8	21.9	20.2	17.4	20.9	13.9
10	.....	.....	.....	20.3	20.1	.....	24.4	22.7	20.8	19.2	21.5	13.8
15	.....	.....	.....	19.7	21.4	.....	24.5	22.7	20.3	19.0	20.2	14.0
20	.....	.....	.....	20.3	21.0	23.4	21.4	21.8	20.0	19.2	14.9	14.9
25	.....	.....	.....	22.5	21.3	.....	21.7	24.5	19.2	21.8	14.3	14.9
Eom	.....	.....	21.8	.....	25.1	25.1	21.6	20.9	19.6	20.4	14.4	.....

1968

5	15.2	17.7	18.8	14.6	14.1	13.9	13.6	14.2	14.5	13.6	12.5	13.9
10	15.4	17.7	19.2	14.6	14.2	13.9	14.1	12.5	14.5	13.6	12.6	14.2
15	17.0	15.2	19.0	14.3	13.5	13.9	14.0	11.0	14.1	13.0	13.9	13.8
20	17.0	.....	15.3	14.3	13.8	14.2	13.7	10.9	13.9	12.6	14.2	12.4
25	17.1	.....	14.6	14.1	13.9	13.6	14.1	11.1	13.7	12.4	14.0	12.0
Eom	18.2	.....	14.5	13.7	13.6	13.5	14.0	10.9	13.4	12.3	14.0	11.8

1969

5	.....	12.1	12.2	10.4	12.9	14.5	19.3	19.3	15.9	15.9	15.3	15.5
10	.....	12.5	11.1	11.1	13.1	14.4	15.6	15.6	16.5	16.3	15.1	14.7
15	12.4	.....	.....	11.2	.....	14.6	15.5	15.5	20.0	16.2	18.2	15.1
20	12.5	12.5	8.3	11.7	13.9	14.7	14.7	15.3	16.1	16.0	19.3	14.3
25	12.3	12.3	9.9	11.9	13.7	16.5	16.5	14.9	16.2	16.0	20.4	13.9
Eom	12.4	12.8	10.4	12.4	14.2	19.9	19.9	15.7	20.5	15.9	18.9	14.3

1970

5	14.2	.....	15.3	14.0	13.9	14.8	14.8	15.9	14.5	13.9	14.2	.....
10	15.6	15.5	14.8	14.2	14.1	19.2	14.3	15.2	19.9	15.0	13.8	.....
15	.....	15.3	15.7	13.9	14.0	19.0	14.9	20.4	18.6	16.1	13.1	.....
20	.....	.....	19.7	13.6	20.2	14.9	14.9	15.5	14.8	14.6	13.3	.....
25	.....	.....	14.7	13.7	15.3	15.2	14.8	14.7	15.1	14.1	18.7	.....
Eom	15.5	15.1	14.6	13.8	14.3	15.8	15.6	15.4	14.9	14.2	13.5	.....

1971

5	12.7	.....	13.0	.....	18.6	13.3	13.5	.....	13.6	13.9	12.9	.....
10	12.4	.....	14.2	12.5	14.3	14.1	13.6	.....	18.0	13.4	12.7	12.8
15	.....	.....	13.8	12.7	15.0	14.3	13.3	.....	14.8	14.9	18.0	12.9
20	12.6	14.4	.....	12.3	14.0	13.6	.....	14.2	19.6	18.4	13.5	12.5
25	.....	14.1	.....	11.9	13.1	18.6	.....	18.2	18.6	13.6	.....	12.5
Eom	.....	13.5	.....	17.9	12.8	14.1	.....	14.0	20.2	17.7	.....	12.5

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# NEBRASKA

The observation-well program in Nebraska was continued in 1967 through 1971 in cooperation with the Conservation and Survey Division, University of Nebraska. Figure 6 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude and longitude location, as explained on page 1. Local well numbers are also given.

The local well numbers are based on the land subdivisions within the U.S. Bureau of Land Management's survey of Nebraska. The numeral preceding the N (north) indicates the township, the numeral preceding the E (east) or W (west) indicates the range, and the numeral preceding the terminal letters indicates the section in which the well is located. The terminal letters A, B, C, and D indicate the well's location within the section. The first letter denotes the quarter section or 160-acre tract and the second the quarter-quarter or 40-acre tract; they are assigned in a counterclockwise direction, beginning in the northeast corner of each tract. Thus, a well in Adams County in the NW¼NE¼ sec. 23, T. 7N., R. 10W. would be assigned the number 7N-10W-23AB. When additional wells are located in the same 40-acre tract, they are distinguished by appending a sequential digit to the well number. Thus, a second well in the NW¼NE¼ sec. 23, T. 7N., R. 10W. would be assigned the number 7N-10W-23AB2.

## 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 7N-10W-23AB. Formerly 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 msl. MP top of casing, 1.00 ft above lsd. Highest water level 99.95 below lsd, Jan. 22, Mar. 14, 1935; lowest 118.13 below lsd, Aug. 15, 1971. Records available: 1934-38, 1948-71.

#### Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	111.34	111.29	111.14	111.15	111.16	111.55	111.28	114.66	113.76	112.90	112.62	112.33
10	111.36	111.19	111.21	111.22	111.23	111.37	111.30	113.08	113.54	112.77	112.62	112.25
15	111.34	111.32	111.22	111.18	111.23	111.42	112.08	115.35	113.13	112.81	112.58	112.25
20	111.30	111.20	111.16	111.21	111.45	111.32	114.28	113.75	113.08	112.78	112.45	112.28
25	111.31	.....	111.16	111.17	111.60	111.25	114.96	115.32	112.80	112.67	112.56	112.30
Som	111.18	111.12	111.26	111.23	111.57	111.29	115.00	113.78	112.88	112.67	112.45	112.29

#### 1968

5	112.48	112.26	112.02	111.92	112.02	111.96	111.88	116.03	113.65	113.25	112.89	112.72
10	112.35	112.13	112.07	111.92	111.86	112.02	113.42	114.49	113.60	113.20	112.95	112.61
15	112.30	112.08	112.02	111.88	111.95	111.90	114.17	113.75	113.50	113.24	112.80	112.58
20	112.37	112.11	112.02	112.02	111.88	111.84	115.21	113.76	113.44	113.10	112.76	112.60
25	112.38	112.04	111.96	111.93	111.84	111.91	114.98	115.74	113.35	113.06	112.78	112.55
Som	112.26	112.02	112.07	111.85	111.83	111.90	.....	113.93	113.30	113.11	112.68	112.53

#### 1969

5	112.53	112.16	112.08	111.91	111.62	111.60	111.70	111.91	112.24	111.92	111.31	111.11
10	112.50	112.27	112.12	111.84	111.66	111.48	111.73	111.85	112.17	111.73	111.34	111.09
15	112.42	112.18	112.04	111.80	111.63	111.43	113.07	113.92	112.18	111.74	111.27	111.15
20	112.37	112.14	112.15	111.78	111.70	111.60	111.97	113.11	111.99	111.67	111.26	110.97
25	112.36	112.11	111.97	111.71	111.51	111.65	111.81	112.36	111.95	111.60	111.33	111.01
Som	112.30	112.23	111.80	111.64	111.79	111.72	113.42	112.32	111.89	111.39	111.15	111.01

#### 1970

5	111.07	110.69	110.46	110.20	110.38	110.30	114.72	114.17	113.52	113.81	112.82	112.69
10	110.82	110.64	110.42	110.25	110.26	110.44	114.36	115.60	113.50	113.20	112.89	112.72
15	110.92	110.58	110.36	110.35	110.37	111.60	114.20	116.50	113.53	113.13	112.76	112.56
20	110.89	110.61	110.34	110.27	110.45	112.11	115.47	114.27	113.80	113.05	112.81	112.46
25	110.82	110.52	110.42	110.18	110.46	111.70	115.05	113.31	113.80	113.12	112.71	112.50
Som	110.61	110.43	110.35	110.27	110.33	113.49	116.27	113.43	113.82	113.04	112.61	112.48

#### 1971

5	112.39	112.22	112.10	111.97	112.00	111.90	116.17	117.23	115.66	114.72	114.49	114.00
10	112.39	112.06	111.99	112.07	111.89	111.84	115.65	117.93	115.54	114.65	114.34	114.07
15	112.36	112.09	112.09	111.88	111.81	111.82	116.05	118.13	115.34	114.60	114.25	113.94
20	112.27	112.24	111.97	111.80	111.80	111.98	116.65	116.53	115.20	114.63	114.27	113.98
25	112.45	112.07	111.98	111.80	111.87	112.12	116.44	118.02	114.93	114.46	114.08	113.78
Som	112.24	112.09	112.10	112.09	111.91	114.88	116.72	116.42	114.65	114.36	114.14	113.76



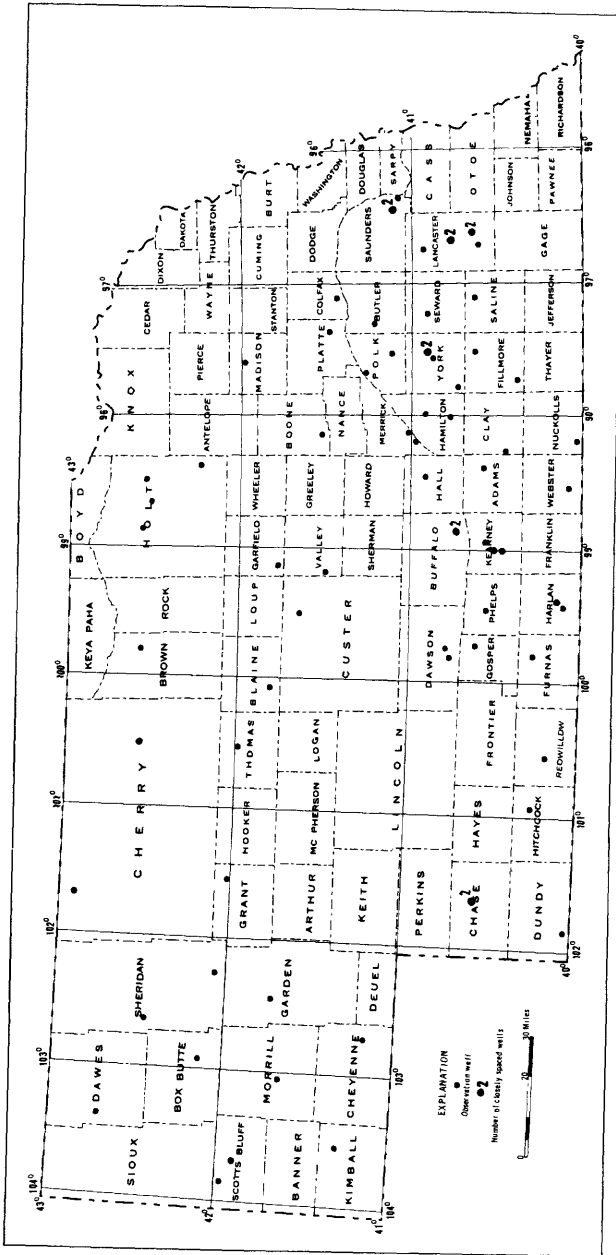


Figure 6.--Location of observation wells in Nebraska, 1967-71.

Elaine County

414958N1000615.1. Local number 22N-24W-33CA. Formerly 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: 1934-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1967	3.99	Feb. 5, 1968	3.96	Dec. 4, 1968	4.00	June 16, 1970	3.72
23	3.76	19	4.00	16	4.00	July 6	4.69
Feb. 6	3.59	Mar. 4	3.91	Jan. 7, 1969	3.63	Aug. 18	5.23
20	3.68	18	3.93	Feb. 19	3.35	Sept. 4	5.39
Mar. 6	3.59	Apr. 3	3.97	Mar. 11	3.26	Oct. 28	4.67
20	3.72	17	3.97	Apr. 21	3.20	Nov. 7	4.07
Apr. 10	3.74	29	3.03	May 5	3.49	Dec. 7	4.18
May 2	3.84	14	3.59	June 23	3.50	Jan. 19, 1971	3.93
22	4.01	29	3.83	July 15	3.98	Feb. 8	3.75
July 20	4.54	June 10	4.25	Aug. 6	4.33	Mar. 4	3.12
Aug. 3	4.88	July 1	4.81	Sept. 16	5.15	Apr. 12	3.16
14	5.02	23	4.61	Oct. 6	4.78	May 18	2.67
Sept. 5	5.25	Aug. 5	5.03	Nov. 5	4.00	June 7	2.91
26	5.21	19	4.96	Dec. 16	4.01	July 22	4.44
Oct. 16	5.00	Sept. 3	3.77	Jan. 6, 1970	4.16	Aug. 10	4.94
Nov. 13	4.62	16	4.27	Feb. 10	3.76	Sept. 20	5.05
Dec. 26	4.49	Oct. 2	4.56	Mar. 3	3.75	Oct. 13	4.59
Jan. 8, 1968	4.24	14	4.60	Apr. 13	3.54	Nov. 2	4.00
		30	4.00	May 5	3.46	Dec. 14	3.69

Boone County

413323N0980745.1. Local number 18N-7W-4CA. Formerly 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, 1948-71.

Nov. 1, 1967	11.61	May 14, 1969	11.19	May 8, 1970	11.05	May 14, 1971	11.07
May 20, 1968	11.73	Oct. 21	11.48	Oct. 26	11.32	Oct. 21	11.92
Oct. 23	11.26						

Box Butte County

420945N1025515.1. Local number 25N-48W-4DDD. Formerly 25-48-4ddd1. U.S. Geol. Survey. 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 63.14 below lsd, Jan. 25, 1950; lowest 91.07 below lsd, Oct. 21, 1971. Records available: 1946-71. Oct. 26, 1967, 88.56; Oct. 24, 1968, 87.43; Oct. 27, 1969, 89.37; Oct. 23, 1970, 90.19; Oct. 21, 1971, 91.07.

Brown County

423307N0994945.1. Local number 30N-21W-19CC. Formerly 30-21-19cc. U.S. Geol. Survey. 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 38.40 below lsd, Oct. 23-25, 29, 1952; lowest 40.96 below lsd, Sept. 7, 1965. Records available: 1947-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	39.70	39.72	39.63	39.67	39.65	39.77	39.74	40.15	.....	40.04	39.78	39.63
10	39.70	39.67	39.64	39.63	39.72	39.78	39.75	40.07	40.28	39.99	39.76	39.61
15	39.70	39.67	39.66	39.62	39.67	39.79	39.82	40.06	40.33	39.96	39.72	39.62
20	39.68	39.67	39.63	39.64	39.69	39.77	39.95	.....	40.32	39.91	39.69	39.62
25	39.68	39.61	39.64	39.55	39.54	39.77	40.08	.....	40.21	39.87	39.59	39.62
Eom	39.67	39.64	39.67	39.63	39.75	39.76	40.16	.....	40.10	39.80	39.65	39.60
1968												
5	39.62	39.53	39.51	39.55	39.50	39.50	39.55	39.93	39.98	39.61	39.43	39.27
10	39.58	39.54	39.50	39.55	39.55	39.51	39.64	39.98	39.98	39.57	39.41	39.24
15	39.58	39.53	39.49	39.51	39.52	39.53	39.73	39.92	39.86	39.54	39.40	39.25
20	39.58	39.55	39.55	39.54	39.54	39.52	39.89	39.87	39.87	39.57	39.35	39.22
25	39.54	39.53	39.52	39.55	39.53	39.55	39.76	39.87	39.74	39.50	39.32	39.22
Eom	39.54	39.53	39.57	39.55	39.45	39.49	39.89	39.98	39.65	39.48	39.30	39.21
1969												
5	e39.21	.....	39.13	38.89	38.78	38.80	38.85	39.22	39.19	39.07	38.94	38.91
10	39.22	.....	.....	38.87	38.80	38.80	39.05	39.22	39.19	39.04	38.92	38.90
15	39.20	.....	39.12	38.86	38.79	38.84	39.09	39.19	39.19	39.02	38.92	38.92
20	39.20	39.19	39.10	38.83	38.79	38.85	39.13	39.25	39.14	39.00	38.94	38.89
25	39.20	39.17	39.09	38.81	38.80	38.86	39.16	39.29	39.13	38.98	38.95	38.89
Eom	.....	39.16	38.99	38.82	38.81	38.88	39.23	39.29	39.09	38.95	38.92	38.89

423307N0994945.1--Continued.

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	38.90	.....	38.88	38.86	38.91	38.83	38.98	39.24	39.12	38.68	38.57	38.50
10	38.90	38.87	38.87	38.87	38.88	38.81	39.15	39.21	39.03	38.66	38.55	38.49
15	38.91	38.86	38.88	38.87	38.88	38.84	39.27	39.23	38.93	38.65	38.54	38.49
20	38.90	38.87	38.87	38.85	38.85	38.87	39.30	39.20	38.84	38.62	38.52	38.47
25	38.90	38.88	38.86	38.88	38.86	38.87	39.28	39.17	38.81	38.59	38.51	38.50
Eom	38.87	38.87	38.87	38.91	38.84	38.89	39.28	39.15	38.72	38.58	38.49	38.50

1971												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	38.49	38.46	38.47	38.44	38.35	38.32	38.40	38.73	38.88	38.37	37.99	37.74
10	38.51	38.44	38.43	38.40	38.35	38.34	38.47	38.77	38.86	38.28	37.89	37.70
15	38.54	38.43	38.45	38.40	38.33	38.30	38.56	38.80	38.79	38.20	37.84	37.68
20	38.52	38.48	38.43	38.38	38.33	38.30	38.64	38.84	38.65	38.14	37.83	37.65
25	38.53	.....	38.43	38.38	38.34	38.33	38.69	38.86	38.56	38.07	37.77	37.65
Eom	38.47	.....	38.49	38.38	38.32	38.30	38.68	38.89	38.46	38.01	37.75	37.60

e Estimated.

Buffalo County

404618N0985044.1. Local number 9N-14W-1DC. Formerly 9-14-1dc. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 8 in, depth 38 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: 1946-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.95	24.85	24.77	24.70	25.10	24.71	23.00	23.41	24.54	23.48	22.89	22.62
10	24.95	24.82	24.75	24.70	24.92	24.64	22.78	23.77	24.47	23.33	22.81	22.61
15	24.93	24.81	24.76	24.68	24.85	24.49	22.58	23.52	24.22	23.22	22.76	22.68
20	24.91	24.81	24.75	24.68	24.77	23.88	22.35	24.16	24.00	23.13	22.70	22.60
25	24.89	24.80	24.72	24.86	24.72	23.56	22.19	24.19	23.82	23.06	22.66	22.59
Eom	24.87	24.79	24.71	25.13	24.73	23.24	22.84	24.40	23.62	22.96	22.63	22.54

1968												
5	.....	22.37	22.17	22.10	21.93	21.83	21.68	23.34	23.33	22.59	22.16	21.91
10	.....	22.33	22.16	22.08	21.94	21.82	21.67	23.09	23.15	22.53	22.13	21.86
15	.....	22.31	22.12	22.01	21.86	21.84	21.65	23.26	22.98	22.44	22.07	21.93
20	.....	22.29	22.13	21.99	21.89	21.83	22.44	23.12	22.87	22.39	22.03	21.83
25	22.37	22.25	22.05	22.00	21.84	21.77	22.84	23.42	22.77	22.32	21.98	21.79
Eom	22.36	22.23	22.10	21.97	.....	21.76	22.94	.....	22.68	22.24	21.93	21.77

1969												
5	21.68	21.50	21.37	20.83	20.41	20.19	19.99	21.01	21.77	20.98	20.52	20.17
10	21.79	21.50	21.33	20.73	20.39	20.15	19.91	21.38	21.66	20.88	20.46	20.13
15	21.63	21.46	21.28	20.65	20.31	20.25	20.40	21.71	21.48	20.82	20.41	20.14
20	21.62	21.45	21.16	20.62	20.34	20.21	20.94	21.90	21.38	20.75	20.40	20.07
25	21.66	21.41	21.01	20.52	20.24	20.14	20.87	22.10	21.20	20.67	20.35	20.07
Eom	21.58	21.43	20.91	20.45	.....	20.07	21.13	21.95	21.09	20.60	20.24	19.97

1970												
5	20.03	19.86	19.68	19.50	19.38	19.17	20.74	22.68	23.97	22.98	22.70	22.65
10	19.90	19.74	19.65	19.52	19.26	19.09	21.37	22.94	23.86	22.91	22.67	22.59
15	19.91	19.78	19.61	19.49	19.35	19.10	21.72	23.27	23.53	22.87	22.68	22.57
20	19.90	19.87	19.58	19.43	19.23	19.09	22.11	23.61	23.32	22.80	22.62	22.59
25	19.87	19.75	19.60	19.41	19.25	19.13	22.17	23.72	23.17	22.75	22.59	22.57
Eom	19.88	19.67	19.56	19.42	19.20	19.90	22.61	23.88	23.10	22.73	22.61	22.54

1971												
5	.....	.....	22.41	22.18	21.95	21.84	21.97	24.01	25.89	24.80	24.36	24.14
10	.....	22.45	22.32	22.15	21.97	21.81	21.94	24.41	25.88	24.71	24.30	24.12
15	22.57	22.44	22.30	22.05	21.93	21.77	21.94	24.66	25.52	24.62	24.24	24.07
20	.....	22.54	22.27	22.03	21.93	21.75	22.75	24.99	25.27	24.55	24.20	24.04
25	.....	22.39	22.18	22.00	21.92	21.70	23.42	25.28	25.07	24.48	24.19	24.02
Eom	22.51	22.46	22.16	22.00	21.86	21.89	23.70	25.68	24.90	24.42	24.16	23.97

404345N0985600.1. Local number 9N-14W-1DD. Formerly 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: 1930-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1967	31.40	Apr. 15, 1968	28.60	June 24, 1969	27.24	Sept. 17, 1970	32.70
Feb. 17	31.20	May 17	28.40	Aug. 2	29.80	Oct. 21	31.86
Apr. 13	30.80	22	28.40	20	30.35	Nov. 18	31.37
May 8	31.06	June 15	28.40	Sept. 24	29.10	Dec. 16	31.02
15	31.00	July 16	29.60	Oct. 23	28.60	Jan. 13, 1971	30.75
June 15	30.50	Aug. 27	32.13	Nov. 20	28.13	Feb. 9	30.53
July 15	29.10	Sept. 16	30.50	Dec. 10	27.78	Mar. 31	30.08
Aug. 21	30.70	Oct. 15	29.80	Jan. 20, 1970	27.38	Apr. 21	30.45
Sept. 15	31.00	29	29.56	Feb. 18	27.16	May 20	29.73
Oct. 16	30.20	Nov. 15	29.30	Mar. 18	27.00	June 22	29.37
25	29.99	Dec. 14	29.60	Apr. 22	26.83	Aug. 26	34.44
Nov. 18	29.70	Feb. 19, 1969	28.42	May 20	26.67	Sept. 21	33.31
Dec. 18	29.40	Mar. 12	28.24	June 24	26.60	Oct. 14	32.69
Jan. 15, 1968	29.10	Apr. 22	27.75	July 29	31.40	Nov. 17	32.69
Feb. 14	28.90	May 27	27.42	Aug. 12	32.45	Dec. 15	31.75
Mar. 15	28.70						

Butler County

411420N0971730.1. Local number 15N-1E-27DD. Formerly 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 89.73 below lsd, June 30, 1966; lowest 108.63 below lsd, July 23, 1961. Records available: 1958-71.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	90.67	90.60	90.36	90.38	90.58	90.34	90.34	97.78	92.22	90.90	90.54	90.23
10	90.67	90.47	90.29	90.78	90.38	90.30	90.33	95.43	91.74	90.81	90.32	90.42
15	90.70	90.57	90.56	90.70	90.47	90.30	90.77	94.58	91.39	90.76	90.43	90.47
20	90.30	90.44	90.34	90.51	.....	90.35	93.13	93.84	91.10	90.65	90.30	90.30
25	90.65	90.48	90.42	90.98	90.39	90.43	99.44	93.58	90.95	90.68	90.41	90.28
Eom	90.44	90.41	90.56	90.68	90.47	90.34	98.25	92.87	90.80	90.60	90.26	90.33

1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	90.29	90.22	90.13	90.37	90.21	90.11	90.30	93.18	91.56	90.82	90.78	90.84
10	90.27	90.15	90.24	90.24	90.20	90.14	91.69	93.37	91.27	91.00	90.97	90.80
15	90.17	90.10	90.20	90.21	90.15	90.26	97.95	92.23	91.01	90.80	90.78	90.92
20	90.18	90.25	90.30	90.24	90.26	90.16	100.05	91.83	91.07	90.91	90.87	90.90
25	90.09	90.19	90.07	90.18	90.22	90.23	97.08	92.24	91.04	90.92	90.83	90.78
Eom	90.13	90.24	90.32	90.11	90.13	90.35	95.41	91.82	90.99	90.80	90.82	90.90

1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	90.54	.....	90.67	90.88	90.76	90.79	90.95	95.08	92.23	91.56	91.15	91.13
10	90.94	.....	90.87	90.88	90.80	90.75	91.57	95.41	92.09	91.38	91.23	91.14
15	90.66	90.77	90.85	90.72	90.75	90.75	95.45	97.75	91.87	91.26	91.13	91.22
20	90.74	.....	.....	90.80	90.92	90.92	94.28	97.46	91.75	91.40	91.25	91.20
25	.....	.....	.....	90.66	90.23	90.68	94.41	94.00	91.62	91.30	91.31	91.15
Eom	.....	90.77	.....	90.70	90.63	90.86	96.44	92.80	91.54	91.18	91.17	91.12

1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	91.07	91.07	91.03	98.25	94.56	92.18	91.43	91.10	91.14
10	.....	.....	91.06	90.80	91.03	90.97	101.12	93.70	92.20	91.52	91.07	91.05
15	91.06	.....	91.00	91.09	91.16	.....	96.34	93.75	91.90	91.63	91.16	91.06
20	.....	h91.17	90.97	91.07	91.03	.....	99.00	93.67	91.68	91.38	91.05	91.12
25	.....	.....	91.04	90.98	91.08	91.75	96.65	92.65	91.85	91.40	90.88	91.08
Eom	91.08	.....	91.00	91.16	91.05	91.10	96.50	92.52	91.10	91.17	91.03	91.04

1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	91.10	.....	90.99	91.18	90.97	91.05	91.39	92.33	92.53	92.11	91.63	91.40
10	90.98	.....	91.05	91.08	91.05	91.03	91.55	92.38	92.60	92.03	91.61	91.38
15	91.08	91.03	91.03	91.07	91.04	91.03	91.62	92.45	92.48	91.88	91.51	91.35
20	91.00	91.07	91.08	91.05	91.09	91.05	91.91	92.50	92.42	91.85	91.50	91.34
25	91.00	91.01	91.08	91.08	91.07	91.05	92.07	92.59	92.32	91.76	91.49	91.37
Eom	91.02	91.10	90.98	91.09	91.00	91.43	.....	92.59	92.15	91.69	91.43	91.28

h Tape measurement.

Chase County

403220N1013840.1. Local number 7N-38W-28CC. Formerly 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 82.90 below lsd, Oct. 26, 1971. Records available: 1944, 1948-71. Oct. 18, 1967, 76.74; Oct. 22, 1968, 79.10; Oct. 23, 1969, 80.22; Oct. 21, 1970, 82.17; Oct. 26, 1971, 82.90.

403235N1013955.1. Local number 7N-38W-29CBB. Formerly 7-38-29cbb. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 5 1/2 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 69.95 below lsd, Aug. 25, 1971. Records available: 1964-71.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	57.77	57.66	57.34	57.20	57.23	57.15	57.07	58.55	59.80	59.35	59.00	58.60
10	57.84	57.57	57.29	57.35	57.13	57.12	57.04	58.61	59.68	59.24	58.82	58.62
15	57.52	57.70	57.44	57.32	57.27	57.15	57.02	59.00	59.81	59.25	58.79	58.69
20	57.49	57.48	57.27	57.18	57.26	57.16	57.51	59.15	59.63	59.16	58.73	58.53
25	57.66	57.34	57.30	57.24	57.20	57.15	57.89	59.35	59.36	59.13	58.70	.....
Eom	57.54	57.38	57.40	57.21	57.13	57.10	58.32	59.73	59.29	59.02	58.61	.....

1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	58.05	57.72	57.71	58.41	57.78	59.28	61.28	61.70	61.53	61.11	60.77
10	58.18	58.91	57.83	57.73	58.13	57.83	59.55	60.85	61.94	61.47	61.10	60.67
15	58.13	57.92	57.78	57.61	58.08	58.50	60.03	61.46	62.09	61.40	60.96	60.62
20	58.12	57.86	57.82	57.63	58.03	58.40	60.35	61.64	61.98	61.37	60.94	60.53
25	58.02	57.90	57.65	57.94	57.93	58.80	60.72	61.98	61.95	61.26	60.85	60.42
Eom	58.02	57.84	57.82	58.21	57.85	59.13	61.11	61.40	61.67	61.23	60.70	60.45

1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	60.29	.....	59.75	59.58	59.93	60.27	60.48	63.80	64.57	63.76	63.28	62.95
10	60.28	.....	59.77	59.60	59.78	.....	60.90	64.03	64.09	63.71	63.25	62.91
15	60.18	.....	59.68	59.53	.....	.....	62.46	64.27	64.13	63.60	63.14	62.87
20	60.12	59.84	59.68	59.60	60.23	.....	62.65	64.35	64.28	63.54	63.14	62.80
25	60.09	59.83	59.68	59.65	60.34	.....	62.90	64.71	63.85	63.47	63.13	62.82
Eom	.....	59.87	59.55	59.82	60.37	.....	63.65	64.46	64.12	63.39	63.03	62.71

403232N1013955.1--Continued.

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	62.70	62.42	62.18	61.86	61.85	62.14	63.26	66.68	67.25	66.42	65.85	65.51
10	62.58	62.31	62.20	61.83	61.87	62.16	64.12	66.98	68.02	66.24	65.80	65.45
15	62.62	62.33	62.08	61.81	62.34	61.96	64.69	67.21	66.94	66.22	65.73	65.36
20	62.54	62.32	62.06	61.77	62.07	61.97	65.17	67.49	66.97	66.07	65.67	65.31
25	62.50	62.25	62.02	61.70	62.01	61.97	65.77	67.74	66.51	65.99	65.52	65.28
Eom	62.38	62.17	61.92	61.75	62.10	62.28	66.05	67.89	66.35	65.92	65.52	65.20

1971												
5	65.15	64.82	64.60	64.28	64.07	63.74	63.73	69.10	68.29	67.36	66.90	66.39
10	....	64.69	64.46	64.18	64.03	63.69	63.92	69.38	68.35	67.27	66.73	66.32
15	....	64.68	64.49	64.12	63.93	63.65	66.23	69.28	68.20	67.18	66.67	66.24
20	64.98	....	64.37	64.09	63.86	63.70	66.81	69.28	68.21	67.13	66.61	66.14
25	64.99	64.61	64.34	64.11	63.85	64.16	66.91	69.95	67.61	66.97	66.49	65.96
Eom	64.86	64.58	64.42	64.10	63.80	63.90	67.88	68.07	67.49	66.92	66.51	65.91

Cherry County

423205N1003215.1. Local number 30N-28W-36AAA. Formerly 30-28-36aaa. U.S. Geol. Survey. Bored observation water-table well in sand and peat, diam 1 1/2 in, depth 12 ft, cased with galvanized iron. Lsd 2,897.26 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 0.08 above lsd, Oct. 31, 1963; lowest 1.80 below lsd, Sept. 22, 1970. Records available: 1961-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 23, 1967	0.33	Oct. 6, 1969	g1.00	Sept. 22, 1970	g1.80	Jan. 11, 1971	g0.40
Aug. 28, 1968	g.60	.....	.46	Oct. 19, 1970	1.20	Oct. 18	.43
Oct. 21	.60	Feb. 17, 1970	g.20	Sept. 18, 1971	g1.60		

g Measurement made by Valentine National Wildlife Refuge, Valentine, Nebr.

425532N1014555.1. Local number 34N-38W-14BC. Formerly 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, 1951-71. Oct. 23, 1967, 7.27; Oct. 21, 1968, 6.97; Oct. 21, 1969, 7.26; Oct. 19, 1970, 7.33; Oct. 18, 1971, 7.27.

Cheyenne County

410917N1024100.1. Local number 14N-47W-26CB. Formerly 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, 1954-71. Nov. 14, 1967, 20.42; Oct. 18, 1968, 19.70; Oct. 24, 1969, 20.75; Oct. 19, 1970, 20.26; Oct. 19, 1971, 19.93.

Clay County

402940N0981540.1. Local number 6N-8W-17BB. Formerly 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 104.50 below lsd, Oct. 19, 1971. Records available: 1952, 1954-71. Nov. 1, 1967, 100.71; Nov. 15, 1968, 100.56; Oct. 30, 1968, 101.80; Oct. 21, 1969, 101.15; Oct. 20, 1970, 103.20; Oct. 19, 1971, 104.50.

Colfax County

412810N0970545.1. Local number 17N-3E-4CC. Formerly A17-3-4cc. U.S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 1 1/2 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 8.05 below lsd, Sept. 4, 1971. Records available: 1946-71.

May 17, 1967	6.01	Oct. 13, 1969	6.84	Aug. 6, 1971	5.45	Aug. 26, 1971	6.35
Oct. 16	6.24	Oct. 19, 1970	6.88	12	5.70	Sept. 4	8.05
May 8, 1968	5.74	July 29, 1971	5.15	19	5.95	Oct. 25	7.66
Oct. 21	5.13						

Custer County

413910N0992850.1. Local number 19N-19W-2BB. Formerly 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, 1957-71.

413910N0992850.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 11, 1967	g13.70	Apr. 25, 1969	g12.90	Apr. 14, 1970	g13.00	Apr. 22, 1971	g12.50
Nov. 2	12.47	Oct. 6	g11.40	Oct. 7	g17.60	Oct. 1	g11.20
Oct. 2, 1968	g12.60						

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

Dawes County

424100N1032435.1. Local number 31N-52W-3DC. Formerly 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 3,605 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: 1934-71.

Feb. 20, 1967	20.02	May 21, 1968	18.15	Aug. 20, 1969	19.43	Nov. 20, 1970	19.18
Mar. 22	20.05	June 21	17.78	Sept. 22	19.85	Dec. 29	19.20
Apr. 20	19.86	July 22	17.85	Oct. 21	19.95	Jan. 21, 1971	19.23
May 22	19.47	Aug. 20	18.25	Nov. 21	19.58	Feb. 22	19.20
June 26	18.00	Sept. 23	18.72	Dec. 22	19.58	Mar. 22	19.10
July 20	17.49	Oct. 21	18.77	Jan. 20, 1970	19.68	Apr. 20	19.04
Aug. 18	17.80	Nov. 19	18.62	Feb. 22	19.65	May 20	18.21
Sept. 21	18.11	Dec. 20	18.55	Mar. 20	19.63	June 29	17.41
Oct. 23	18.42	Jan. 20, 1969	18.58	Apr. 20	19.29	July 21	17.40
Nov. 22	18.32	Feb. 24	18.60	May 22	18.34	Aug. 20	17.98
Dec. 21	18.48	Mar. 21	18.62	June 22	17.93	Sept. 21	18.30
Jan. 22, 1968	18.60	Apr. 23	18.64	July 31	18.42	Oct. 20	18.44
Feb. 21	18.60	May 21	18.68	Aug. 20	18.81	Nov. 22	18.32
Mar. 21	18.62	June 20	18.93	Sept. 24	19.50	Dec. 20	18.31
Apr. 23	18.52	July 22	19.09	Oct. 20	19.43		

Dawson County

405250N0994455.1. Local number 10N-21W-18DDD. Formerly 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 16.78 below lsd, Aug. 15, 1971. Records available: 1964-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	13.86	14.02	13.90	13.78	10.41	10.63	11.07	11.55	12.07	12.37
10	.....	13.88	13.85	14.12	13.82	12.92	10.42	11.29	10.98	11.67	12.10	12.45
15	.....	13.84	13.94	14.61	13.80	9.97	10.50	11.87	10.98	11.84	12.15	12.54
20	13.68	13.84	13.93	14.48	13.88	10.19	10.34	11.88	11.13	11.89	12.15	12.54
25	13.78	13.85	13.98	14.23	14.02	10.33	10.56	.....	11.21	11.95	12.32	12.61
Eom	13.78	13.84	14.04	13.97	13.95	10.34	10.46	11.27	11.37	12.00	12.32	12.68

1968

5	12.74	12.93	13.04	13.24	12.86	12.85	12.92	14.24	12.95	13.27	13.83	14.18
10	.....	12.94	13.13	13.27	12.85	12.95	13.26	14.29	12.91	13.38	13.96	14.17
15	.....	12.97	13.10	13.29	.....	12.95	.....	.....	12.85	13.47	13.96	14.23
20	12.31	13.03	13.14	13.33	12.74	12.95	13.98	13.22	13.04	13.58	14.02	14.40
25	12.82	13.06	13.15	13.33	12.73	12.95	13.49	13.22	13.16	13.66	14.03	.....
Eom	12.86	13.07	13.25	13.37	.....	.....	.....	13.24	13.19	.....	14.08	.....

1969

5	.....	.....	14.60	13.50	13.79	13.62	13.80	14.79	14.64	14.43	14.33	14.19
10	.....	.....	14.60	13.50	13.89	13.75	14.54	15.24	14.44	14.50	14.32	14.19
15	.....	.....	14.65	13.56	13.91	13.78	15.43	15.59	14.36	14.52	14.23	14.22
20	14.40	14.62	13.60	13.62	13.76	13.78	15.21	15.55	14.31	14.50	14.23	14.21
25	14.46	14.61	13.52	13.64	13.62	13.68	14.95	15.10	14.30	14.45	14.26	14.26
Eom	14.49	14.60	13.55	13.69	13.61	13.79	14.78	15.49	14.35	14.37	14.22	14.27

1970

5	14.32	14.42	14.53	14.58	14.74	14.35	14.49	14.70	14.43	15.02	15.41	15.66
10	14.30	14.42	14.54	14.62	14.74	14.27	15.44	14.05	14.68	15.12	15.46	15.67
15	14.35	14.45	14.57	14.63	14.68	13.57	15.52	14.87	14.76	15.22	15.33	h15.67
20	14.37	14.50	14.55	14.62	14.64	13.31	15.38	14.56	14.76	15.24	15.57	15.76
25	14.38	14.51	14.57	14.62	14.48	13.17	15.57	14.65	14.81	15.29	15.53	15.74
Eom	14.39	14.49	14.58	14.71	14.39	13.29	15.42	14.36	14.95	15.39	15.60	15.76

1971

5	15.79	15.95	16.04	16.06	16.09	15.50	14.85	16.57	16.09	16.14	16.37	16.42
10	15.81	15.93	16.03	16.04	16.13	15.35	14.72	16.76	15.97	16.19	16.35	16.42
15	15.87	15.96	16.06	16.00	16.13	15.24	14.68	16.78	16.09	16.23	16.38	16.43
20	15.85	16.02	16.07	16.04	16.15	15.23	16.10	16.33	16.02	16.29	16.41	16.42
25	15.92	16.00	16.06	16.09	15.98	15.15	16.50	16.53	15.98	16.27	16.40	16.41
Eom	15.92	16.02	16.05	16.09	15.64	15.17	16.30	16.50	16.02	16.31	16.43	16.43

h Tape measurement.

40485QN0995035.1. Local number 10N-22W-29AA. Formerly 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 8.55 below lsd, Oct. 13, 1971. Records available: 1931-43, 1945-55, 1957-71. Nov. 29, 1967, 6.10; Oct. 15, 1968, 7.73; Oct. 24, 1969, 7.78; Oct. 20, 1970, 8.39; Oct. 13, 1971, 8.55.

Dundy County

400155N1015213.1. Local number 1N-40W-29BB. Formerly 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 18.36 below lsd, Sept. 15, 1971. Records available: 1946-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.98	13.86	13.78	13.71	13.85	13.93	14.03	14.46	15.06	15.12	14.93	14.68
10	13.97	13.84	13.76	13.73	13.87	13.94	14.03	14.58	15.07	15.10	14.87	14.66
15	13.94	13.83	13.75	13.87	13.85	13.97	14.06	14.68	15.10	15.11	14.93	14.62
20	13.92	13.81	13.73	13.80	13.89	14.01	14.10	14.80	15.10	15.08	14.79	14.59
25	13.90	13.80	13.72	13.83	13.91	14.03	14.21	14.93	15.10	15.06	14.76	14.58
Eom	13.87	13.80	13.72	13.82	13.95	14.01	14.35	15.03	15.09	15.00	14.71	14.55

1968

5	14.52	14.35	14.22	14.15	14.11	14.51	14.97	.....	15.70	15.56	15.37	15.09
10	14.42	14.32	14.21	14.13	14.16	14.67	15.08	.....	15.73	15.56	15.32	15.04
15	14.44	14.30	14.19	14.12	14.16	14.77	15.18	.....	15.64	15.55	15.26	15.00
20	14.42	14.28	14.19	14.12	14.17	14.78	15.32	.....	15.60	15.58	15.22	14.98
25	14.40	14.27	14.16	14.10	14.17	14.77	15.38	.....	15.58	15.47	15.18	14.93
Eom	14.36	14.25	14.14	14.09	14.25	14.82	.....	15.79	15.57	15.43	15.13	14.89

1969

5	14.86	14.65	14.52	14.45	14.50	14.54	14.63	15.36	15.60	15.65	15.24	14.98
10	14.83	14.62	14.51	14.46	14.63	14.54	14.68	15.30	15.56	15.60	15.18	14.94
15	14.76	14.62	14.44	14.45	14.70	14.60	14.96	15.33	15.52	15.54	15.12	14.92
20	14.72	14.59	14.42	14.44	14.62	14.57	15.18	15.49	15.51	15.45	15.08	14.88
25	14.69	14.58	14.45	14.43	14.53	14.55	15.32	15.61	15.53	15.47	15.05	14.85
Eom	14.69	14.55	14.46	14.39	14.55	14.61	15.28	15.55	15.62	15.31	15.02	14.81

1970

5	14.79	14.62	14.47	14.41	14.32	14.43	14.76	15.39	15.87	15.74	15.47	.....
10	14.76	14.60	14.45	14.40	14.32	14.46	14.89	15.53	15.90	15.71	15.42	.....
15	14.73	14.57	14.45	14.37	14.32	14.50	15.04	15.54	15.90	15.66	15.35	15.13
20	14.71	14.56	14.43	14.36	14.31	14.54	15.17	15.62	15.84	15.60	.....	15.11
25	14.67	14.53	14.41	14.35	14.35	14.56	15.25	15.69	15.83	15.56	.....	15.08
Eom	14.64	14.50	14.42	14.33	14.41	14.62	15.33	15.80	15.76	15.51	.....	15.05

1971

5	15.02	14.90	14.76	14.67	14.57	14.51	15.50	16.23	17.71	17.68	17.67	16.97
10	14.99	14.88	14.75	14.65	14.56	14.53	15.66	16.87	18.35	17.63	17.50	16.90
15	14.97	14.86	14.72	14.63	14.53	14.59	15.82	17.10	18.36	17.62	17.37	16.84
20	14.94	14.83	14.72	14.62	14.52	14.77	15.98	17.52	18.24	.....	17.25	16.77
25	14.92	14.81	14.70	14.60	14.52	14.87	16.16	17.73	17.94	18.00	17.15	16.71
Eom	14.91	14.79	14.67	14.59	14.50	15.18	.....	.....	.....	.....	17.07	16.64

Fillmore County

402450N0974340.1. Local number 5N-4W-12BC. Formerly 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 msl. MP top of casing, at lsd. Highest water level 73.13 below lsd, June 15, 1957; lowest 85.86 below lsd, Sept. 15, 1971. Records available: 1956-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	80.30	80.31	80.07	79.99	80.28	80.08	79.98	80.80	81.78	81.78	81.58	81.34
10	80.32	80.22	80.04	80.15	80.16	80.06	79.96	80.91	81.84	81.75	81.56	81.33
15	80.30	80.23	80.13	80.16	80.20	80.07	80.01	81.05	81.87	81.72	81.49	81.30
20	80.39	80.25	80.05	80.14	80.23	80.05	80.28	81.16	81.82	81.68	81.44	81.30
25	80.26	80.13	80.02	80.24	80.16	80.05	80.49	81.36	81.83	81.65	81.42	81.28
Eom	80.21	80.11	80.07	80.26	80.12	79.98	80.73	81.61	81.78	81.61	81.37	81.26

1968

5	81.22	81.07	80.90	80.81	80.61	80.44	80.50	81.76	82.48	82.40	82.20	82.03
10	81.20	81.00	80.94	80.59	80.59	80.45	80.61	81.93	82.50	82.41	82.17	82.00
15	81.15	80.97	80.95	80.72	80.55	80.49	80.85	81.99	82.46	82.35	82.13	82.05
20	81.12	80.93	80.98	80.69	80.57	80.43	81.46	82.08	82.48	82.39	82.13	81.95
25	81.05	80.93	80.83	80.65	80.53	80.46	81.35	82.21	82.47	82.30	82.10	81.93
Eom	81.04	80.98	80.85	80.63	80.47	80.47	80.63	82.39	82.43	82.24	82.09	81.94

1969

5	.....	81.56	81.47	81.50	81.27	81.17	81.26	81.93	82.90	82.95	82.68	82.45
15	81.73	81.57	81.50	81.48	81.29	81.14	81.33	82.06	81.02	82.66	82.65	82.40
20	81.65	81.54	81.49	81.35	81.20	81.21	81.46	82.20	83.05	82.85	82.60	82.38
25	81.62	81.52	80.17	81.40	81.25	81.26	81.62	82.43	83.07	82.80	82.67	82.36
25	81.68	81.50	81.53	81.33	81.17	81.14	81.72	82.75	83.02	82.77	82.54	82.30
Eom	81.63	81.52	.....	81.25	81.18	81.18	81.81	82.95	83.00	82.72	82.50	82.27

402450N0974340.1--Continued.

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	82.25	82.02	81.82	81.67	81.60	81.46	81.73	83.18	83.70	83.47	83.35	83.20
10	82.20	81.95	81.80	81.65	81.53	81.40	82.03	83.31	83.84	83.49	83.34	83.14
15	82.16	81.91	81.80	81.63	81.51	81.40	82.32	83.45	83.76	83.46	83.30	83.06
20	82.16	81.91	81.75	81.58	81.52	81.39	82.46	83.62	83.60	83.41	83.27	83.00
25	82.07	81.87	81.70	81.60	81.53	81.38	82.59	83.61	83.68	83.42	83.17	83.02
Eom	82.05	81.84	81.68	.....	81.47	81.49	82.84	83.67	83.56	83.42	83.12	82.96
1971												
5	82.89	82.76	82.66	82.52	82.28	82.24	82.63	84.25	85.62	85.72	85.48	85.16
10	82.92	82.77	h82.51	82.50	82.31	82.19	82.88	84.45	85.72	85.65	85.36	85.12
15	82.83	82.64	.....	82.40	82.29	82.17	83.08	84.67	85.86	85.58	85.34	85.06
20	82.85	82.75	.....	82.40	82.32	82.17	83.32	84.89	85.74	85.61	85.33	85.00
25	82.96	82.54	.....	82.39	82.30	82.10	83.70	85.14	85.68	85.48	85.21	84.92
Eom	82.81	82.66	82.51	82.36	82.24	82.39	84.00	85.44	85.68	85.51	85.22	84.93

h Tape measurement.

403800N0973007.1. Local number 8N-2W-26AD. Formerly 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: 1956-71.

## Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.13	20.53	20.58	20.54	20.95	21.23	17.55	18.52	18.82	18.80	18.75	18.68
10	20.34	20.40	20.53	20.78	20.83	19.31	17.72	18.67	18.76	18.64	18.39	18.82
15	20.30	20.56	20.84	20.78	21.02	19.48	18.00	18.53	18.71	18.73	18.68	19.28
20	19.98	20.57	20.63	20.68	21.17	17.69	18.06	18.55	18.54	18.67	18.53	18.80
25	20.30	20.61	20.60	20.88	21.12	15.07	18.23	18.80	18.43	18.63	18.67	19.12
Eom	20.30	20.54	20.76	20.78	21.25	.....	18.30	19.11	18.40	18.60	18.69	19.17

1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.13	19.50	19.48	20.01	19.82	19.92	20.54	20.39	20.51	20.62	20.50	20.59
10	19.18	19.37	19.64	19.99	19.61	20.11	20.55	20.45	20.58	20.77	20.58	20.63
15	19.12	19.43	19.72	19.89	19.95	20.23	20.53	20.19	20.55	20.56	20.45	20.74
20	19.20	19.58	19.90	19.63	19.90	20.14	20.60	20.29	20.54	20.67	20.58	20.67
25	18.94	19.59	19.61	19.46	19.85	20.34	20.52	20.53	20.64	20.54	20.50	20.64
Eom	19.16	19.68	19.98	19.62	19.87	20.47	20.52	20.40	20.71	20.51	20.54	20.79

1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.52	.....	17.63	.....	14.83	14.10	.....	15.58	16.10	17.13	16.36	16.60
10	20.77	.....	16.85	.....	14.03	14.30	15.45	15.97	16.33	16.95	16.51	16.65
15	20.64	.....	18.33	.....	14.37	14.59	15.76	16.10	16.37	16.90	16.44	17.00
20	20.61	20.75	14.90	13.64	13.83	14.85	15.50	16.23	16.48	16.85	16.72	16.88
25	.....	20.78	.....	14.26	13.35	14.71	14.95	16.05	16.58	16.87	16.90	16.90
Eom	20.80	20.13	.....	14.57	13.78	15.10	15.55	16.27	16.82	16.21	16.67	16.86

1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.22	17.23	17.42	17.61	17.50	17.77	18.55	18.08	18.23	17.93	17.30	17.40
10	16.77	17.10	17.52	17.70	17.25	17.65	18.42	18.00	18.47	18.10	17.08	17.16
15	17.07	17.33	17.63	17.75	17.67	17.95	18.51	18.10	17.97	17.62	17.32	16.91
20	17.28	17.61	17.57	16.70	17.57	18.20	18.55	18.12	17.82	17.38	17.10	17.24
25	17.09	17.50	17.58	17.20	17.80	18.30	18.35	17.91	18.00	17.33	16.73	17.26
Eom	17.06	17.31	17.69	17.38	17.81	18.48	18.43	18.14	17.97	17.39	17.04	17.18

1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.40	17.33	15.71	13.80	.....	13.38	15.03	15.62	16.37	17.23	17.22	16.96
10	17.36	17.10	15.62	13.98	.....	13.40	15.12	15.60	16.57	17.17	17.03	16.97
15	17.69	16.36	13.73	13.95	.....	13.73	15.15	15.82	16.75	17.18	17.05	17.04
20	17.30	14.32	13.93	13.86	.....	13.98	15.37	15.86	16.77	17.37	17.09	17.03
25	17.63	15.15	13.78	.....	h13.69	14.38	15.48	16.12	16.59	16.95	16.95	17.04
Eom	17.45	15.66	12.83	.....	13.66	14.85	15.46	16.14	16.85	17.18	17.23	17.14

h Tape measurement.

## Furnas County

401718N0994910.1. Local number 4N-22W-29AD. Formerly 4-22-29ad. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 1 1/2 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 17.69 below lsd, Feb. 8, 1946. Records available: 1946-71. Measurements made by U.S. Bureau of Reclamation, McCook, Nebraska.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 11, 1967	13.00	July 2, 1968	13.20	Aug. 20, 1969	8.40	Oct. 19, 1970	12.10
May 3	12.80	Aug. 5	11.20	Sept. 22	9.00	Dec. 1	12.30
June 13	12.00	22	10.90	Oct. 31	9.60	Mar. 5, 1971	12.90
July 27	10.70	Sept. 20	10.50	Dec. 5	10.50	May 10	12.50
Aug. 29	6.50	Oct. 15	11.50	Mar. 5, 1970	11.80	June 14	11.80
Sept. 26	10.00	Dec. 9	11.90	May 14	11.60	July 8	9.10
Oct. 11	10.70	Mar. 4, 1969	10.70	June 24	11.60	Aug. 3	8.70
26	11.20	May 12	12.10	July 8	11.10	24	9.40
Dec. 6	11.80	June 17	12.00	Aug. 12	10.70	Sept. 15	10.50
Mar. 26, 1968	12.40	July 10	7.90	24	10.60	Oct. 26	10.60
May 6	12.80	Aug. 8	7.40	Sept. 21	11.40	Dec. 1	10.20
June 14	13.20						



Garden County

414413N1022445.1. Local number 20N-44W-5DB. Formerly 20-44-5db. Crescent Lake Migratory Bird Refuge. Drilled observation water-table well in fine sand, diam 1 1/2 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: 1934-71. Measurements made by Crescent Lake National Wildlife Refuge, Ellsworth, Nebr.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8, 1967	7.10	June 28, 1968	6.61	Sept. 24, 1969	6.90	Dec. 30, 1970	7.35
Apr. 6	7.10	Oct. 4	6.93	Jan. 13, 1970	7.00	Jan. 12, 1971	7.35
July 5	6.40	Dec. 26	7.00	Apr. 6	6.85	Apr. 7	7.25
Oct. 1	6.80	Apr. 8, 1969	6.89	July 2	6.67	July 23	6.94
Jan. 10, 1968	6.93	June 30	6.60	Oct. 6	7.25	Oct. 12	7.47
Apr. 20	6.74						

Garfield County

414718N0990832.1. Local number 21N-16W-14CB. Formerly 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: 1950-71. Nov. 2, 1967, 23.69; Oct. 24, 1968, 23.35; Oct. 23, 1969, 22.92; Oct. 29, 1970, 23.45; Oct. 14, 1971, 23.24.

Gosper County

403626N0994514.1. Local number 7N-21W-6BC. Formerly 7-21-6bc. Andy Larson Estate. Drilled unused water-table well in Ogallala Formation of Eocene 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 59.70 below lsd, Oct. 21, 1970; lowest 117.80 below lsd, Sept. 26, 1935. Records available: 1934-40, 1948-71. Oct. 12, 1967, 64.23; Oct. 23, 1968, 63.24; Oct. 24, 1969, 61.35; Oct. 21, 1970, 59.70; Oct. 21, 1971, 59.75.

Grant County

420147N1013220.1. Local number 24N-36W-30BB. Formerly 24-36-30bb. U.S. Geol. Survey. Drilled observation water-table well in fine sand, diam 1 in, depth 15 ft, screened 13-15. Lsd 3,588 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 3.59 below lsd, June 8, 1935; lowest 6.62 below lsd, July 22, 1940. Records available: 1934-42, 1946-55, 1957-69. Well destroyed; measurement discontinued. Oct. 16, 1967, 4.94; Oct. 27, 4.75; Oct. 25, 1968, 4.74; Nov. 4, 1969, 5.02.

Hall County

405315N0983042.1. Local number 11N-11W-25CC. Formerly 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. Lsd 1,922.4 ft above msl. MP top of casing, 1.60 ft above lsd. Highest water level 12.18 below lsd, June 25, 1949; lowest 23.99 below lsd, Aug. 15, 1957. Records available: 1946-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.89	21.88	21.90	21.90	21.98	22.15	16.39	17.37	18.46	19.21	19.55	19.73
10	21.90	21.87	21.90	21.91	22.02	22.19	16.42	17.56	18.60	19.27	19.59	19.77
15	21.90	21.88	21.91	21.92	22.02	18.74	16.65	17.74	18.75	19.35	19.61	19.80
20	21.90	21.89	21.91	21.92	22.03	16.09	16.81	17.91	18.89	19.39	19.65	19.82
25	21.89	21.89	21.90	21.94	22.05	15.92	16.96	18.08	19.02	19.44	19.67	19.86
Eom	21.88	21.90	21.90	21.96	22.09	16.16	17.17	18.28	19.14	19.50	19.70	19.88

1968

5	19.90	20.01	20.03	20.03	20.10	20.10	18.35	18.80	19.60	19.87	20.01	20.09
10	19.93	20.02	20.01	20.05	20.11	20.10	18.22	18.95	19.62	19.90	20.03	20.10
15	19.95	20.03	19.99	20.05	20.11	20.10	18.24	19.11	19.73	19.93	20.06	20.14
20	19.97	20.04	19.99	20.07	20.11	20.11	18.32	19.22	19.78	19.96	20.07	20.15
25	19.99	20.04	20.01	20.08	20.11	20.11	18.46	19.34	19.82	19.98	20.08	20.17
Eom	20.00	20.04	20.02	20.09	20.11	19.24	18.59	19.51	19.86	19.98	20.10	20.18

1969

5	20.22	20.28	20.30	19.03	19.34	19.30	19.28	19.45	19.78	19.90	19.85	19.77
10	.....	20.29	20.28	19.17	19.34	19.29	19.27	19.48	19.85	19.90	19.84	19.75
15	.....	20.30	20.30	19.22	19.34	19.30	19.27	19.52	19.90	19.90	19.81	19.74
20	.....	20.30	21.25	19.30	19.33	19.28	19.31	19.56	19.94	19.89	19.79	19.73
25	20.26	20.29	20.02	19.31	19.35	19.29	19.34	19.62	19.92	19.88	19.80	19.72
Eom	20.27	20.30	19.27	19.32	19.33	19.28	19.40	19.71	19.91	19.86	19.79	19.71

405315N0983043.1--Continued.

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.70	19.65	19.63	19.61	19.54	19.49	19.35	19.80	20.25	20.63	20.65	20.66
10	19.70	19.66	19.63	19.59	19.53	19.45	19.36	19.90	20.25	20.65	20.65	20.64
15	19.68	19.65	19.63	19.57	19.53	19.42	19.43	19.99	20.62	20.67	20.66	20.64
20	19.67	19.64	19.62	19.57	19.52	19.44	19.50	20.05	20.67	20.65	20.64	20.67
25	19.67	19.64	19.62	19.57	19.52	19.40	19.58	20.17	20.68	20.65	20.62	20.66
Eom	19.66	19.64	19.61	19.55	19.50	19.37	19.70	20.23	20.66	20.65	20.65	20.65

1971												
5	.....	.....	20.57	20.32	20.25	20.12	18.65	19.61	20.63	21.14	21.13	21.14
10	.....	20.67	20.50	20.30	20.27	20.06	18.85	19.74	20.82	21.13	21.13	21.13
15	20.68	20.65	20.39	20.26	20.19	19.98	18.95	19.93	20.96	21.12	21.13	21.13
20	.....	20.68	20.37	20.26	20.16	19.90	19.08	20.12	21.06	21.13	21.15	21.14
25	.....	20.62	20.37	20.28	20.15	19.85	19.17	20.27	21.09	21.13	21.14	21.16
Eom	20.67	20.65	20.34	20.27	20.12	19.83	19.39	20.47	21.11	21.14	21.14	21.15

Hamilton County

404825N0975832.1. Local number 10N-6W-26BC. Formerly 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. Lsd 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 101.47 below lsd, Sept. 5, 1971. Records available: 1956-71.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	93.07	92.91	92.45	92.15	92.36	91.96	91.80	96.54	98.16	96.48	95.56	94.90
10	93.03	92.65	92.40	92.25	92.17	91.98	91.76	96.56	97.81	95.27	95.38	94.82
15	93.02	92.73	92.42	92.17	92.17	91.87	92.98	96.89	97.41	96.12	95.32	94.74
20	92.85	92.62	92.34	92.05	92.13	91.87	94.41	97.47	97.13	95.94	95.27	94.67
25	92.90	92.56	92.30	92.24	92.02	91.87	95.11	97.93	96.87	95.82	95.09	94.59
Eom	92.79	92.53	92.33	92.35	92.02	91.81	95.99	98.28	96.63	95.66	94.95	94.51

1968												
5	94.42	94.06	93.61	93.39	93.14	92.90	92.74	95.41	96.16	94.97	94.30	93.82
10	94.36	93.97	93.53	93.35	93.10	92.87	92.80	95.62	95.92	94.88	94.18	93.78
15	94.32	93.93	93.51	93.28	93.00	92.83	93.87	95.56	95.65	94.72	94.14	93.73
20	94.22	93.87	93.51	93.22	93.02	92.79	95.37	95.32	95.47	94.65	94.09	93.62
25	94.12	93.80	93.41	93.21	92.97	92.68	95.97	95.39	95.31	94.52	94.00	93.59
Eom	94.03	93.74	93.40	93.18	92.93	92.74	95.64	96.03	95.15	94.39	93.93	93.50

1969												
5	93.41	93.13	92.90	92.55	92.34	92.12	91.89	94.20	97.25	95.48	94.44	93.75
10	93.36	93.08	92.85	92.55	92.29	92.09	91.97	94.78	96.83	95.29	94.33	93.65
15	93.29	93.04	92.81	92.51	92.24	92.04	92.40	95.90	96.55	95.10	94.19	93.58
20	93.22	93.00	92.74	92.48	92.21	91.96	93.43	96.72	96.23	94.92	94.11	93.50
25	93.23	92.96	92.74	92.41	92.19	91.89	93.25	96.76	95.94	94.78	93.99	93.40
Eom	93.17	92.87	92.73	92.38	92.15	91.90	94.15	97.62	95.70	94.58	93.87	93.32

1970												
5	93.24	92.80	92.45	92.21	91.98	91.74	95.01	98.02	96.92	96.88	96.00	95.40
10	93.17	92.76	92.41	92.16	92.05	91.70	95.88	97.71	97.36	96.76	95.91	95.26
15	93.08	92.69	92.37	92.12	91.86	91.68	96.27	97.67	97.85	96.63	95.78	95.20
20	....	92.65	92.32	92.05	91.84	91.66	97.15	98.10	97.55	96.42	95.70	95.12
25	92.91	92.57	92.24	92.04	91.80	92.19	98.04	98.17	97.42	96.32	95.61	95.09
Eom	92.89	92.52	92.25	91.98	91.76	93.90	98.27	98.76	97.10	96.18	95.40	94.96

1971												
5	94.89	.....	94.24	93.84	93.52	93.29	95.36	98.65	101.47	.....	97.92	97.14
10	94.83	94.32	94.04	93.77	93.52	93.30	95.48	98.77	100.97	98.81	97.71	97.02
15	94.83	94.28	94.08	93.65	93.45	93.18	95.56	98.98	100.43	98.59	97.63	96.92
20	94.66	94.55	.....	93.63	93.41	.....	96.63	99.70	99.90	98.44	97.48	96.81
25	94.75	94.12	.....	93.63	93.43	93.43	97.48	100.39	99.55	98.19	97.33	96.68
Eom	94.54	94.28	93.98	93.56	93.36	94.46	98.23	101.24	99.25	98.06	97.25	96.66

405514N0975732.1. Local number 11N-6W-13CB. Formerly 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 90.04 below lsd, Sept. 29, 1934; lowest 111.15 below lsd, Nov. 9, 1971. Records available: 1934-42, 1944, 1946-71. Nov. 6, 1967, 106.03; Oct. 25, 1968, 106.99; Oct. 22, 1969, 106.83; Nov. 20, 1970, 106.84; Apr. 23, 1971, 106.90; Nov. 9, 111.15.

Marion County

400920N0992155.1. Local number 2N-18W-9BCC. Formerly 2-18-9bcc. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 5 1/2 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 99.44 below lsd, Aug. 25, 1971. Records available: 1964-71.

400920N0992155.1--Continued.

## Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	84.98	85.02	84.87	84.77	.....	84.92	84.73	94.54	88.16	85.63	85.39	85.23
10	85.00	84.97	84.94	84.93	86.63	84.85	84.73	90.55	90.15	85.57	85.32	85.35
15	85.03	84.99	85.00	85.84	86.44	84.84	84.71	93.74	86.46	85.57	85.33	85.30
20	84.86	84.93	84.90	85.63	85.01	84.84	88.38	92.45	85.76	85.52	85.25	85.20
25	84.97	84.92	84.97	.....	84.84	84.83	94.13	88.20	85.59	85.53	85.36	85.50
Eom	84.90	84.90	84.84	85.96	84.89	84.81	93.44	94.44	85.57	85.44	85.31	85.22

1968

5	.....	.....	84.91	84.97	85.62	85.09	91.32	91.33	94.74	88.00	86.02	86.07
10	.....	.....	85.04	85.37	85.08	85.18	89.25	97.02	.....	88.30	85.97	86.29
15	.....	.....	85.08	86.53	85.05	85.61	97.85	99.38	86.69	88.43	86.11	86.25
20	.....	.....	85.07	85.41	85.42	86.70	88.42	96.51	.....	86.38	86.12	86.10
25	.....	.....	85.10	85.16	85.02	86.86	90.73	94.23	96.50	86.24	86.04	85.96
Eom	.....	.....	85.42	86.58	85.55	90.19	96.45	89.96	86.69	86.24	86.03	86.07

1969

5	85.83	85.68	85.42	85.43	86.30	85.24	88.73	.....	86.80	86.18	85.78	85.74
10	86.01	85.64	85.45	85.40	85.26	85.21	86.00	98.12	86.61	86.01	85.80	85.74
15	85.88	85.66	85.56	85.60	85.27	86.57	93.41	98.15	86.41	85.96	85.74	85.70
20	85.78	85.61	85.35	85.34	86.01	86.73	94.70	96.80	86.33	85.87	85.78	85.64
25	85.94	85.63	85.40	85.39	85.20	85.04	94.70	89.70	86.22	85.85	85.75	85.64
Eom	85.77	85.71	85.42	85.26	85.29	85.24	97.67	88.41	86.24	85.82	85.75	85.57

1970

5	85.60	85.49	85.31	85.17	85.39	85.10	97.02	97.06	92.06	.....	86.60	86.37
10	85.48	85.32	85.31	86.14	86.58	85.10	95.45	94.85	88.07	86.82	86.57	86.37
15	85.53	85.38	85.26	85.18	85.83	85.13	95.99	97.06	87.31	86.87	86.59	86.25
20	85.45	85.43	85.25	85.09	85.31	85.09	97.40	93.46	87.10	86.68	86.46	86.33
25	85.36	85.35	85.18	85.22	85.17	85.22	97.94	92.50	87.02	86.68	86.27	86.24
Eom	85.41	85.29	85.21	87.10	.....	93.47	97.49	93.50	86.95	86.67	86.39	86.24

1971

5	86.24	86.11	85.96	86.91	85.83	85.78	90.74	98.51	88.37	87.09	87.07	86.76
10	86.18	86.25	86.24	86.42	85.85	85.71	89.83	98.84	88.13	88.67	86.95	86.74
15	86.21	85.97	87.10	89.94	85.82	85.74	97.13	97.86	87.73	88.50	86.95	86.73
20	86.07	86.12	87.09	86.69	85.84	85.77	98.61	98.33	87.35	87.30	86.91	86.67
25	86.17	85.93	86.80	86.45	85.86	87.55	96.91	99.44	87.16	88.07	86.81	86.58
Eom	86.20	86.06	85.90	86.22	85.78	93.98	98.83	96.59	87.10	87.06	86.88	86.67

400620N0992740.1. Local number 2N-19W-28DD. Formerly 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, 1968-71. No measurement made in 1967. Measurements made by U.S. Bureau of Reclamation, McCook, Nebr. Aug. 6, 1968, 10.50; Mar. 4, 1969, 8.70; Aug. 8, 9.80; Mar. 6, 1970, 9.50; Aug. 11, 7.60; Mar. 11, 1971, 9.50; Aug. 3, 10.50.

Hitchcock County

401458N1005422.1. Local number 3N-32W-11BB. Formerly 3-32-11bb. U.S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diam 1 1/4 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 15.80 below lsd, Aug. 3, 1970. Records available: 1946-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 15, 1967	g13.48	Oct. 24, 1968	g14.70	Mar. 4, 1970	g14.30	Mar. 3, 1971	g14.30
Aug. 3	g13.99	Mar. 14, 1969	g14.50	June 11	g15.20	June 21	g14.80
Oct. 18	14.34	June 12	g14.30	Aug. 3	g15.80	Aug. 6	g14.70
Mar. 4, 1968	g14.30	Aug. 8	g13.00	Oct. 16	14.85	Oct. 13	14.78
Aug. 2	g14.90	Oct. 16	14.65	20	g15.00	15	g15.00
Oct. 21	14.50	29	g14.40				

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

Holt County

421605N0982030.1. Local number 27N-9W-34DA. Formerly 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: 1934-71.

Jan. 4, 1967	7.98	Oct. 23, 1967	8.45	Sept. 5, 1968	8.85	July 15, 1969	8.52
25	7.82	25	8.52	Oct. 2	8.76	Aug. 14	8.90
Feb. 16	7.52	Nov. 15	8.35	23	8.25	Sept. 17	8.91
Mar. 8	7.87	Dec. 6	8.28	Nov. 6	8.31	Oct. 9	8.27
31	7.88	Jan. 17, 1968	7.92	26	8.18	27	8.41
Apr. 17	7.99	Feb. 7	7.84	Dec. 17	8.07	Nov. 18	8.25
May 9	8.10	Mar. 20	8.02	Jan. 8, 1969	7.87	Dec. 11	8.10
18	8.16	Apr. 11	8.00	21	7.49	30	7.97
June 1	7.99	May 1	7.35	Feb. 27	6.98	Jan. 21, 1970	7.79
20	6.09	22	7.98	Mar. 19	7.42	Feb. 11	7.77
July 31	8.18	27	7.98	Apr. 3	5.29	Mar. 4	7.90
Aug. 21	8.44	June 12	8.27	May 21	7.88	Apr. 15	7.21
Sept. 11	9.71	July 23	8.74	June 5	8.15	May 6	6.94
Oct. 3	8.69	Aug. 14	8.93	24	8.42	28	7.76

421605N0982030.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 18, 1970	7.83	Nov. 9, 1970	8.43	Apr. 7, 1971	6.86	Aug. 12, 1971	8.37
July 9	8.55	Dec. 2	8.31	May 18	7.32	Sept. 2	8.74
Aug. 20	9.04	Jan. 13, 1971	7.94	June 15	6.35	Oct. 14	8.48
Sept. 9	9.10	Feb. 3	7.78	July 1	7.54	Nov. 23	8.01
Oct. 9	8.27	Mar. 22	7.46	22	8.00	Dec. 15	7.88
20	8.64						

422845N0983707.1. Local number 29N-11W-21BBB. Formerly 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 29.77 below lsd, Oct. 27, 1969. Records available: 1947-53, 1955-71. Oct. 23, 1967, 27.00; May 27, 1968, 27.60; Oct. 14, 28.55; Oct. 27, 1969, 29.77; Oct. 26, 1970, 28.39; Oct. 20, 1971, 29.09.

423148N0983006.1. Local number 30N-10W-32DAA. Formerly 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 43.60 below lsd, Dec. 31, 1971. Records available: 1966-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	35.82	35.96	.....	36.01	36.17	36.25	36.35	36.50	36.81	37.14	37.40	37.51
10	35.83	35.95	.....	36.12	36.13	36.25	36.37	36.57	36.84	37.19	37.41	37.54
15	35.85	36.02	36.05	36.08	36.19	36.27	36.38	36.60	36.90	37.24	37.41	37.59
20	35.79	.....	36.03	36.08	36.22	36.30	36.40	36.64	36.97	37.29	37.44	37.59
25	35.90	.....	36.05	36.09	36.17	36.33	36.42	36.69	37.03	37.32	37.46	37.63
Eom	35.91	.....	36.08	36.06	36.25	36.33	36.46	36.75	37.07	37.36	37.48	37.66

1968

5	37.73	37.83	37.86	37.92	38.11	38.22	38.35	38.58	38.93	39.28	39.56	39.75
10	37.73	37.83	37.89	37.98	38.12	38.24	38.38	38.64	38.99	39.34	39.60	39.78
15	37.74	37.84	37.91	38.00	38.14	38.27	38.41	38.68	39.05	39.38	39.62	39.81
20	37.77	37.86	37.93	38.02	38.17	38.28	38.45	38.73	39.11	39.44	39.65	39.84
25	37.77	37.87	37.92	.....	38.19	38.31	38.50	38.79	39.18	39.49	39.68	39.86
Eom	37.80	37.87	37.95	.....	38.21	38.33	38.54	38.86	39.23	39.52	39.72	39.88

1969

5	39.90	.....	40.24	40.18	39.75	39.82	40.03	40.21	40.44	40.69	40.87	41.04
10	39.95	.....	40.26	40.04	39.75	39.85	40.06	40.25	40.48	40.72	40.90	41.08
15	39.97	40.15	40.30	39.93	39.75	39.91	40.08	40.28	40.53	40.77	40.93	41.10
20	40.00	40.18	40.34	39.86	39.77	39.93	40.12	40.34	40.57	40.81	40.95	41.11
25	.....	40.20	40.35	39.80	39.78	39.94	40.13	40.37	40.61	40.85	40.97	41.13
Eom	.....	40.23	40.35	39.77	39.79	40.01	40.18	40.42	40.65	40.85	41.02	.....

1970

5	.....	41.27	41.35	41.45	41.55	41.61	41.66	41.86	42.14	42.37	42.60	.....
10	.....	41.28	41.37	41.46	41.54	41.56	41.68	41.86	42.18	42.42	42.62	.....
15	41.20	41.31	41.42	41.48	41.59	41.60	41.71	41.91	42.23	42.46	42.87	42.68
20	41.22	41.32	41.43	41.47	41.60	41.61	41.75	41.96	42.26	42.49	42.66	42.80
25	41.24	41.34	41.45	41.52	41.61	41.61	41.78	41.97	42.32	42.53	.....	42.80
Eom	41.26	41.35	41.46	41.54	41.60	41.65	41.80	42.09	42.35	42.55	42.54	42.68

1971

5	42.82	42.85	42.90	42.83	42.74	42.77	42.70	42.82	43.01	43.26	43.43	43.53
10	42.83	42.85	42.85	42.78	42.76	42.77	42.70	42.85	43.05	43.29	43.45	43.54
15	42.84	42.85	42.86	42.72	42.75	42.76	42.69	42.87	43.10	43.31	43.47	43.55
20	42.84	42.88	42.85	42.70	42.75	42.74	42.70	42.92	43.14	43.34	43.50	43.57
25	42.86	42.85	42.84	42.71	42.75	42.76	42.72	42.95	43.18	43.37	43.51	43.58
Eom	42.85	42.86	42.85	42.73	42.76	42.73	42.76	42.98	43.21	43.40	43.52	43.60

423730N0985600.1. Local number 31N-14W-27DDD. Formerly 31-14-27ddd. Elmer Goldfuss. Drilled observation water-table well in sand and gravel, diam 8 in, depth 72 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 40.36 below lsd, Sept. 15, 1971. Records available: 1966-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	32.31	32.21	32.11	32.06	32.14	32.53	32.62	34.24	35.36	35.25	34.61	34.25
10	32.30	32.17	32.10	32.07	32.14	32.56	32.72	34.46	35.03	35.11	34.53	34.21
15	32.28	32.17	32.10	32.05	32.18	32.58	33.01	34.56	35.65	34.99	34.47	34.18
20	32.25	32.15	32.08	32.08	32.31	32.57	33.25	34.74	35.70	34.88	34.40	34.13
25	32.24	32.14	32.08	32.10	32.26	32.58	33.55	34.92	35.61	34.79	34.33	34.09
Eom	32.21	32.13	32.08	32.09	32.48	32.63	33.94	35.21	35.41	34.68	34.29	34.05

1968

5	34.03	33.86	33.77	33.71	33.65	33.92	34.38	35.69	36.59	36.57	36.15	35.80
10	34.00	33.84	33.75	33.71	33.66	33.95	34.39	35.90	36.64	36.49	36.08	35.77
15	33.97	33.82	33.75	33.68	33.73	34.03	34.60	36.16	36.85	36.44	36.02	35.73
20	33.92	33.80	33.75	33.68	33.87	34.17	34.91	36.17	36.80	35.94	35.97	35.69
25	33.90	33.78	33.72	33.68	33.90	34.28	35.24	36.30	36.71	35.88	35.90	35.65
Eom	33.87	33.78	33.72	33.67	33.88	34.31	35.60	36.58	36.64	36.21	35.85	35.61

423730N0985600.1--Continued.

1969												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	35.66	35.38	35.26	34.41	34.03	34.36	34.68	35.50	37.23	36.95	36.47	36.23
10	35.64	35.36	35.24	34.23	34.02	34.40	34.62	35.80	37.18	36.86	36.42	36.21
15	35.50	35.36	35.21	34.14	34.07	34.51	34.60	36.18	37.19	36.78	36.40	36.15
20	35.52	35.33	35.19	34.12	34.20	34.54	34.68	36.52	37.14	36.71	36.35	36.12
25	35.50	35.31	35.07	34.08	34.29	34.61	34.91	36.57	37.08	36.65	36.30	36.07
Eom	35.41	35.28	34.65	34.05	34.34	34.67	35.25	37.18	37.00	36.55	36.27	36.02

1970												
5	35.99	35.76	35.61	35.46	.....	.....	35.12	37.37	38.64	38.07	37.58	37.30
10	35.94	35.73	35.58	.....	.....	34.68	35.45	37.62	38.59	37.98	37.49	37.19
15	35.87	35.71	35.58	.....	.....	34.73	35.92	37.83	38.48	37.90	37.45	37.14
20	35.84	35.69	35.55	.....	.....	34.96	34.66	36.27	38.00	38.38	37.81	37.39
25	35.80	35.66	35.52	.....	.....	34.94	34.62	36.60	38.22	38.26	37.74	37.35
Eom	35.80	35.64	35.43	.....	.....	34.83	34.85	37.10	38.51	38.16	37.65	37.29

1971												
5	36.90	36.70	36.54	36.18	35.92	35.83	36.49	38.50	39.88	39.92	39.26	38.85
10	36.92	36.65	36.45	36.11	35.91	35.82	36.79	38.76	40.32	39.80	39.18	38.79
15	36.89	36.62	36.41	36.03	35.87	35.78	37.08	39.03	40.36	39.68	39.10	38.72
20	36.84	36.65	36.38	36.00	35.85	35.75	37.45	39.32	40.31	39.59	39.03	38.57
25	36.80	36.56	36.34	35.98	35.84	35.83	37.80	39.62	40.17	39.48	38.97	38.48
Eom	36.73	36.53	36.27	35.95	35.87	36.18	38.20	39.95	40.04	39.39	38.92	38.40

Kearney County

402615N0990000.1. Local number 5N-15W-3BA. Formerly 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 2,132.73 ft above msl. MP top of casing, at lsd. Highest water level 90.35 below lsd, July 17, 1967; lowest 108.15 below lsd, Aug. 8, 1947. Records available: 1947-67. Well destroyed September 1967; measurement discontinued. Replaced by well 6N-15W-34DC.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1967	92.13	July 15, 1967	90.48	July 31, 1967	93.78	Aug. 31, 1967	97.80
Feb. 15	91.61	17	90.35	Aug. 15	96.47	Sept. 15	96.17

403052N0985815.1. Local number 6N-15W-1CB. Formerly 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 47.60 below lsd, Oct. 21, 1970; lowest 71.36 below lsd, June 29, 1948. Records available: 1948-71. Nov. 16, 1967, 50.04; Oct. 31, 1968, 49.05; Oct. 22, 1969, 48.30; Oct. 21, 1970, 47.60; Oct. 20, 1971, 47.80.

402625N0985945.1. Local number 6N-15W-34DC. Conservation and Survey Division, University of Nebraska. Drilled observation water-table well in sand and gravel, diam 6 in, depth 210 ft, cased with steel, perforated 190-210. Lsd 2,210 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 80.42 below lsd, June 10, 1971; lowest 103.35 below lsd, July 25, 1971. Records available: 1968-71. Replaces well 5N-15W-3BA.

## Lowest water level for the day, from recorder graph, 1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84.31
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84.34
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84.52
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84.62
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84.43
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84.45

1969												
5	.....	.....	83.44	83.28	82.93	82.86	82.62	82.62	89.40	83.75	.....	82.50
10	.....	83.67	83.60	83.24	82.96	82.89	82.61	92.77	84.62	83.35	.....	82.48
15	83.47	83.52	83.45	82.90	82.87	82.93	83.05	97.94	84.14	83.40	.....	82.65
20	83.45	83.50	83.41	83.02	83.07	82.77	83.70	99.05	84.20	83.38	.....	82.55
25	.....	83.46	83.39	82.80	83.81	82.28	86.92	87.70	83.79	83.35	.....	82.44
Eom	.....	83.56	83.36	82.90	82.67	82.85	82.93	91.94	83.74	83.00	.....	.....

1970												
5	.....	82.07	81.66	.....	81.31	81.05	99.41	85.90	.....	82.86	82.84	82.61
10	.....	81.88	81.69	81.42	80.92	80.92	101.15	84.58	.....	.....	82.56	82.18
15	82.04	81.87	.....	81.27	81.38	80.90	88.77	87.08	.....	.....	82.81	81.94
20	82.28	82.15	.....	81.15	81.04	80.95	99.65	.....	.....	.....	82.35	82.19
25	.....	81.89	.....	81.26	81.13	83.13	98.40	.....	.....	.....	82.05	82.07
Eom	82.12	81.62	.....	81.26	81.06	96.60	99.70	.....	.....	.....	82.30	81.87

1971												
5	82.05	81.50	81.14	81.38	80.49	80.60	98.66	99.18	88.65	84.43	83.58	82.87
10	81.70	81.47	81.12	81.17	80.70	80.42	97.60	100.20	86.35	84.23	83.67	82.73
15	82.07	81.34	81.29	80.84	80.65	80.46	99.38	98.80	86.10	83.86	83.28	82.68
20	81.70	81.54	81.38	80.76	80.78	80.59	101.18	98.07	.....	84.05	83.22	82.62
25	81.64	81.19	81.08	80.87	80.78	81.80	103.35	99.99	84.86	83.54	83.12	82.73
Eom	81.72	81.46	80.73	80.92	80.49	96.52	100.55	97.15	84.35	83.64	83.22	82.58

Kimball County

411600N1033935.1. Local number 15N-55W-17CC. Formerly 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, 1950-71. Nov. 15, 1967, 98.21; Oct. 17, 1968, 98.01; Oct. 23, 1969, 98.55; Oct. 16, 1970, 98.27; Oct. 20, 1971, 99.09.

Lancaster County

403643N0964330.1. Local number 8N-6E-34DD. Formerly A8-6-34dd. U.S. Geol. 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: 1954-71. Oct. 27, 1967, 5.02; Oct. 15, 1968, 5.14; Oct. 27, 1969, 5.26; Oct. 28, 1970, 5.29; Oct. 18, 1971, 5.46.

403929N0964010.1. Local number 8N-7E-18DDB. Formerly A8-7-18ddb. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel, diam 8 in, depth 33 ft, casing 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: 1954-71. Oct. 27, 1967, 8.92; Oct. 15, 1968, 10.89; Nov. 6, 1969, 9.98; Oct. 28, 1970, 10.94; Oct. 18, 1971, 11.10.

403833N0963855.1. Local number 8N-7E-20DDA. Formerly 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: 1954-71. Oct. 27, 1967, 7.12; Oct. 15, 1968, 7.98; Oct. 28, 1969, 5.15; Oct. 28, 1970, 7.49; Oct. 18, 1971, 6.46.

404730N0964404.1. Local number 10N-6E-34CA. Formerly 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: 1951-71. Oct. 27, 1967, 16.17; Oct. 15, 1968, 16.76; Nov. 6, 1969, 16.14; Oct. 28, 1970, 16.60; Oct. 18, 1971, 16.50.

404706N0964130.1. Local number 10N-6E-36CDD. Formerly 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 57.03 below lsd, July 14, Dec. 23, 1971; lowest 71.19 below lsd, Sept. 5, 1956. Records available: 1951-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	60.05	60.58	60.30	60.09	60.30	60.10	60.01	60.00	61.00	59.96	59.85	59.50
10	...	60.34	60.20	60.41	59.98	60.04	59.95	60.07	59.98	59.90	59.50	59.54
15	60.54	60.52	60.60	60.22	60.24	60.04	60.01	59.88	59.93	59.90	59.75	59.90
20	60.12	60.40	60.30	60.07	60.40	60.08	59.99	59.89	59.73	59.86	59.52	59.54
25	60.39	60.47	60.21	60.26	60.04	60.14	59.95	59.96	59.73	59.85	59.66	59.71
Eom	60.29	60.32	60.35	60.10	60.23	59.92	59.91	60.20	59.73	59.78	59.62	59.70

1968

5	59.65	59.56	59.33	59.66	59.38	58.97	59.17	59.16	59.31	59.06	59.56	59.06
10	59.66	59.41	59.53	59.48	59.31	59.14	59.20	59.31	59.31	59.27	59.21	59.06
15	59.46	59.40	59.53	59.31	59.21	59.20	59.16	59.05	59.05	58.98	59.01	59.23
20	59.37	59.55	59.60	59.36	59.36	59.03	59.29	59.18	59.25	59.23	59.10	59.16
25	59.26	59.48	59.72	59.33	59.21	59.01	59.33	59.35	59.26	59.12	58.99	59.04
Eom	59.23	59.56	59.63	59.25	58.98	59.22	59.34	59.14	58.92	59.14	59.02	59.20

1969

5	58.80	58.56	58.75	58.69	58.33	58.06	58.11	57.82	57.68	57.97	57.60	57.59
10	59.09	58.80	58.92	58.65	58.45	58.00	58.02	57.96	58.02	57.80	57.65	57.63
15	58.76	58.76	58.74	58.38	58.28	58.17	57.92	57.89	57.80	57.86	57.62	57.83
20	58.77	58.75	58.81	58.56	58.50	58.22	57.96	57.86	57.99	57.88	57.88	57.65
25	59.10	58.65	58.70	58.39	58.25	57.82	57.84	57.95	57.81	57.92	57.96	57.70
Eom	58.75	58.76	58.69	58.32	58.11	58.28	57.95	57.89	57.86	57.63	57.70	57.60

1970

5	57.89	57.68	57.50	57.34	57.56	57.19	57.46	57.70	57.56	57.53	57.81	57.96
10	57.47	57.47	57.53	57.35	57.33	57.10	57.46	57.75	57.95	57.29	57.75	57.72
15	57.63	57.58	57.60	57.47	57.58	57.21	57.62	57.79	57.90	58.02	57.88	57.51
20	57.81	57.81	57.50	57.41	57.36	57.35	57.70	57.84	57.56	57.70	57.72	57.73
25	57.64	57.68	57.47	57.30	57.50	57.30	57.60	57.70	57.98	57.74	57.43	57.73
Eom	57.54	57.47	57.53	57.44	57.22	57.36	57.65	57.86	57.72	57.87	57.59	57.52

1971

5	57.77	57.58	57.46	57.70	57.15	57.23	....	57.37	57.35	57.58	57.62	57.26
10	57.59	57.35	57.36	57.56	57.43	57.12	....	57.18	57.42	57.53	57.37	57.26
15	57.91	57.40	57.59	57.19	57.29	57.13	57.17	57.36	57.52	57.44	57.41	57.27
20	57.43	57.68	57.59	....	57.49	57.24	57.25	57.24	57.47	57.60	57.46	57.18
25	57.76	57.31	57.46	57.42	57.45	....	57.27	57.35	57.36	57.33	57.26	57.44
Eom	57.68	57.61	57.40	57.46	57.17	....	57.17	57.25	57.34	57.58	57.50	57.22

405405N0964552.1. Local number 11N-6E-20DC. Formerly All-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, 19, 1957. Records available: 1951-71. Oct. 27, 1967, 13.96; Oct. 16, 1968, 16.19; Oct. 30, 1969, 16.38; Oct. 26, 1970, 17.24; Oct. 21, 1971, 16.47.

Madison County

420013N0973345.1. Local number 23N-2W-5AA. Formerly 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, 1965-69. Well destroyed Oct. 22, 1970; measurement discontinued. Nov. 8, 1967, 4.20; Nov. 14, 4.18; Oct. 16, 1968, 4.27; Oct. 22, 1969, 3.95.

Merrick County

410143N0980903.1. Local number 12N-7W-7AA. Formerly 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: 1945-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1957	9.07	Apr. 19, 1968	8.14	July 23, 1969	5.48	Oct. 26, 1970	7.94
Feb. 15	9.08	June 4	8.00	Aug. 21	6.60	Nov. 19	8.10
Mar. 21	9.11	20	7.73	Sept. 23	6.77	Dec. 17	8.10
Apr. 20	9.01	July 26	7.52	Oct. 22	6.44	Jan. 15, 1971	8.30
May 11	9.12	Aug. 28	8.02	Nov. 19	6.49	Feb. 10	8.34
July 7	5.35	Sept. 30	8.16	Dec. 11	6.65	Apr. 1	7.21
27	6.02	Oct. 14	8.23	Jan. 19, 1970	6.97	22	7.24
Aug. 31	7.25	Nov. 20	7.19	Feb. 19	7.00	May 19	6.67
Sept. 27	7.66	Dec. 13	7.22	Mar. 25	6.90	June 24	6.46
Oct. 11	7.76	Jan. 29, 1969	7.24	Apr. 23	6.53	July 22	6.72
27	7.86	Feb. 24	7.39	May 20	6.87	Aug. 27	7.89
Nov. 27	7.95	Mar. 14	6.84	June 25	7.22	Sept. 23	8.46
Dec. 29	8.10	Apr. 23	5.24	July 24	7.74	Oct. 15	8.64
Jan. 25, 1968	8.16	May 13	5.33	Aug. 11	7.69	Nov. 16	8.74
Feb. 22	8.20	June 25	4.88	Sept. 21	7.93	Dec. 17	8.62
Mar. 14	8.14						

405755N0981113.1. Local number 12N-8W-36BC. Formerly 12-8-36bc1. 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 1.02 below lsd, June 13, 1967; lowest 5.87 below lsd, Aug. 9-11, 1964. Records available: 1958-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.16	3.63	3.80	4.15	4.03	3.25	....	4.65	5.32	4.88	4.50	4.26
10	4.15	3.73	3.84	4.24	4.09	1.88	3.47	4.90	5.40	4.70	4.36	4.21
15	3.98	3.76	3.87	3.98	4.25	1.92	3.71	5.07	5.13	4.70	4.32	4.27
20	4.08	3.96	3.90	4.19	4.47	1.96	3.95	5.13	4.92	4.71	4.31	4.08
25	3.72	4.07	3.91	4.05	4.69	2.43	4.37	5.37	4.87	4.74	4.30	4.25
Eom	3.59	4.02	4.08	4.27	4.26	2.77	4.42	5.37	4.83	4.53	4.28	4.37

1968

5	4.46	3.89	3.85	3.87	4.19	4.65	3.75	4.44	4.51	4.72	3.69	3.82
10	4.51	3.87	3.69	4.14	4.21	4.64	4.15	4.71	4.66	4.75	3.55	3.92
15	4.46	4.03	3.78	4.11	4.32	4.70	4.48	4.53	4.82	4.69	3.42	4.02
20	4.27	4.08	3.98	3.57	4.48	4.83	4.82	4.53	4.34	2.99	3.54	3.95
25	4.03	4.07	4.07	3.52	4.46	4.08	4.68	4.99	4.53	3.37	3.66	3.85
Eom	3.93	3.96	3.96	3.84	4.27	3.58	4.23	4.87	4.67	3.63	3.77	3.77

1969

5	3.79	3.70	2.75	2.60	3.30	4.17	4.50	4.87	4.35	4.62	3.47	3.86
10	3.75	3.70	2.66	3.14	3.32	4.46	4.43	5.07	4.45	4.47	3.64	3.87
15	3.73	3.70	....	3.34	3.49	4.76	4.76	5.26	4.58	4.04	3.72	3.73
20	3.23	3.56	2.33	3.22	3.08	4.15	4.50	5.34	4.22	3.29	3.76	3.81
25	3.46	3.44	2.48	3.57	3.00	4.10	4.57	5.06	4.40	3.55	3.83	3.92
Eom	3.68	3.10	2.92	3.78	3.74	4.45	4.97	4.93	4.55	3.33	3.85	3.86

1970

5	3.86	3.70	3.44	3.80	3.91	4.19	5.45	5.14	5.47	4.71	4.13	4.20
10	4.02	3.55	3.55	3.96	4.19	4.58	5.60	5.15	5.38	4.00	4.00	4.22
15	3.97	3.52	3.70	3.66	4.20	4.67	5.50	5.40	5.32	3.86	4.08	4.19
20	4.15	3.52	3.56	3.27	4.51	4.78	5.60	5.32	4.87	4.02	4.11	4.26
25	3.93	3.51	3.63	3.62	4.05	4.95	5.75	5.38	4.67	3.94	4.22	4.38
Eom	3.61	3.48	3.70	3.90	3.91	5.29	5.83	5.68	4.61	4.07	4.12	4.37

1971

5	4.18	3.90	2.99	3.55	4.06	2.67	3.06	5.07	5.42	5.20	4.57	3.78
10	4.15	4.15	3.03	3.76	2.94	3.26	3.40	5.19	5.39	5.15	4.52	3.79
15	4.19	3.91	3.01	3.95	3.08	2.96	4.05	5.32	5.43	5.11	4.44	3.80
20	4.08	3.20	3.08	3.98	3.00	3.84	4.68	5.47	5.35	5.04	3.78	4.01
25	4.01	3.15	3.21	3.62	3.12	4.28	4.70	5.56	5.31	4.98	3.87	3.89
Eom	3.78	3.03	3.31	3.82	3.04	3.34	4.85	5.53	5.23	4.66	3.87	4.02

Morrill County

414107N1030545.1. Local number 20N-50W-28BB. Formerly 20-50-28bb. Fred Smith. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 1 1/4 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, 1944-71. Nov. 8, 1967, 13.35; Oct. 16, 1968, 13.32; Oct. 28, 1969, 12.55; Oct. 20, 1970, 13.33; Oct. 18, 1971, 13.50.

Nuckolls County

400240N0981113.1. Local number 1N-8W-23AB. Formerly 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: 1950-68, 1970-71. No measurement made in 1969.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1967	g5.40	Aug. 9, 1967	g6.80	May 5, 1970	(f)	May 3, 1971	5.95
June 6	g7.00	Sept. 14	5.90	Oct. 19	5.50	Oct. 18	6.05
July 15	g6.70	Oct. 22, 1968	5.70				

f Dry.

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

Phelps County

403123N0992615.1. Local number 6N-19W-24A. Formerly 6-19-24a. 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 49.80 below lsd, Oct. 2, 1969; lowest 123.70 below lsd, Mar. 9, 1945. Records available: 1945-56, 1958-71.

Jan. 5, 1967	g57.66	Nov. 17, 1967	54.56	Dec. 4, 1968	g54.23	Nov. 5, 1969	g50.75
Feb. 3	g58.25	Dec. 5	g54.65	Jan. 7, 1969	g54.50	Dec. 3	g51.44
Mar. 1	g58.36	Jan. 5, 1968	g55.17	Feb. 6	g54.75	Jan. 7, 1970	g52.29
Apr. 5	g59.55	Feb. 5	g55.77	Mar. 7	g55.02	Feb. 5	g52.83
May 4	g59.10	Mar. 5	g55.75	Apr. 4	g55.00	Apr. 7	g53.06
June 2	g57.82	Apr. 4	g55.98	May 15	g54.55	June 10	g52.61
July 6	g79.50	May 3	g55.60	July 2	g51.91	Aug. 7	g53.49
Aug. 2	g55.94	June 5	g54.25	Aug. 8	g58.40	Oct. 21	50.10
Sept. 7	g56.25	July 3	g59.05	Oct. 2	g49.80	Dec. 14	g52.19
Oct. 4	g56.85	Oct. 29	54.43	24	51.90	Oct. 21, 1971	51.40
Nov. 6	g54.69	Nov. 6	g54.33				

g Measurement made by Central Nebraska Public Power and Irrigation District, Holdrege, Nebr.

Platte County

412956N0971922.1. Local number 18N-1E-28CD. Formerly 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, 1956-71. Nov. 7, 1967, 64.14; Nov. 15, 64.13; Oct. 16, 1968, 70.02; Oct. 23, 1969, 65.49; Oct. 29, 1970, 66.68; Oct. 20, 1971, 67.29.

Polk County

411012N0973252.1. Local number 14N-2W-21DB. Formerly 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 78.19 below lsd, June 30, 1963; lowest 109.35 below lsd, July 31, 1971. Records available: 1959-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	82.77	82.61	81.95	82.33	83.90	82.88	81.52	.....	.....	86.00	84.20	82.77
10	82.87	82.06	81.76	83.87	82.75	82.22	81.58	.....	.....	85.52	83.42	82.93
15	82.61	82.22	82.23	83.58	83.67	81.80	83.87	.....	88.62	85.14	83.56	83.51
20	82.07	82.29	81.68	83.77	83.78	81.35	91.96	.....	87.60	84.72	83.16	82.77
25	82.52	82.28	82.00	84.33	83.69	81.98	99.38	.....	86.71	84.67	82.53	82.91
Eom	.....	82.06	82.56	83.46	83.62	81.52	.....	.....	86.01	84.38	82.93	82.77

1968

5	.....	82.20	81.56	81.89	81.68	81.06	81.45	90.30	90.33	86.01	84.56	84.03
10	.....	81.96	81.87	81.61	81.56	81.40	84.50	92.74	89.53	85.93	84.52	83.95
15	.....	82.13	81.32	81.31	81.26	81.30	94.73	90.62	88.18	85.29	84.22	84.20
20	.....	.....	82.14	81.52	81.33	81.83	99.86	90.20	87.63	85.42	84.12	.....
25	.....	.....	81.61	81.31	81.17	82.04	96.70	89.80	87.23	85.14	84.12	.....
Eom	82.00	82.04	81.92	81.24	81.19	81.77	.....	90.51	85.68	84.69	84.14	.....



411012N0973252.1--Continued.

1969												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	82.42	.....	81.15	80.67	80.73	93.09	89.87	86.57	84.36	83.50
10	.....	.....	82.63	81.89	81.12	80.79	82.71	94.31	89.66	85.87	84.40	83.38
15	83.18	82.52	82.55	81.39	80.92	80.92	86.65	95.27	88.77	85.82	84.21	83.55
20	82.89	82.47	82.44	81.50	81.05	80.82	96.41	94.65	88.29	85.56	84.46	83.49
25	83.29	82.35	82.31	81.18	80.66	80.27	96.28	91.04	87.30	85.35	84.35	83.21
Eom	.....	82.47	.....	81.17	80.60	81.13	95.24	.....	86.86	84.69	83.79	83.01
1970												
5	83.18	81.79	81.78	81.57	82.12	81.65	99.52	96.00	99.65	94.93	90.98	89.54
10	.....	81.60	82.01	81.94	81.70	81.33	99.52	94.58	98.08	93.13	90.58	89.16
15	.....	.....	82.14	82.17	82.23	82.18	98.00	95.52	.....	93.07	90.71	89.07
20	83.84	82.00	81.71	81.88	81.92	82.81	100.63	96.12	94.75	92.29	90.02	88.91
25	81.52	81.79	81.64	81.85	82.16	86.35	101.40	104.05	94.86	91.43	89.52	88.40
Eom	82.03	81.57	81.69	82.05	81.76	.....	100.45	101.90	94.27	91.27	89.46	88.69
1971												
5	.....	88.19	88.52	88.44	86.17	86.01	91.85	107.57	100.13	93.05	89.70	88.23
10	.....	88.28	88.41	88.24	85.98	85.75	93.18	107.85	98.45	92.51	89.32	88.00
15	.....	87.85	87.25	87.05	86.00	85.77	97.00	107.41	97.00	91.85	89.16	87.67
20	.....	87.93	88.32	87.90	85.96	.....	104.17	h108.45	.....	91.60	89.10	87.75
25	88.43	88.62	88.18	87.13	86.31	86.09	105.99	107.35	94.73	90.85	88.94	87.92
Eom	88.01	87.81	86.64	86.23	86.03	92.74	109.35	103.00	93.75	90.25	88.79	87.64

h Tape measurement.

411507N0974128.1. Local number 15N-3W-20CC. Formerly 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 msl. MP hole in turbine base, at lsd (since Aug. 17, 1965). Highest water level 2.86 below lsd, Sept. 25, 1965; lowest 9.33 below lsd, Sept. 22, 1953. Records available: 1945-67. Well destroyed; measurement discontinued. Nov. 6, 1967, 7.17.

Red Willow County

401015N1003537.1. Local number 2N-29W-4AD. Formerly 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 msl. MP top of casing, 3.00 ft below lsd. Highest water level 23.02 below lsd, Oct. 21, 1969; lowest 37.10 below lsd, July 11, 1953. Records available: 1950-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 25, 1967	27.70	Mar. 4, 1970	g29.30	Oct. 16, 1970	31.47	Aug. 6, 1971	g31.50
Oct. 23, 1968	23.27	Aug. 4	g30.10	Mar. 5, 1971	g30.90	Oct. 13	31.39
Oct. 21, 1969	23.02						

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

Saline County

403855N0970725.1. Local number 8N-3E-19ADA. Formerly A8-3-19ada. 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 msl. MP top of casing, at lsd. Highest water level 96.56 below lsd, Mar. 16, Apr. 15-16, 1963; lowest 103.98 below lsd, Aug. 24, 1971. Records available: 1959-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	99.52	99.65	.....	99.01	99.16	99.12	99.06	100.83	101.07	100.69	100.44	100.12
10	99.57	99.46	.....	99.40	98.92	99.05	99.10	100.80	100.83	100.67	100.25	100.16
15	99.61	99.64	.....	99.30	99.14	99.15	99.61	100.52	100.75	100.68	100.32	100.31
20	99.16	99.37	.....	99.05	99.30	99.10	100.09	.....	100.63	100.52	100.13	100.14
25	99.51	99.37	99.22	99.16	99.07	99.21	100.50	.....	100.34	100.56	100.42	100.20
Eom	99.36	99.33	99.42	99.15	99.28	99.04	100.55	101.28	100.48	100.42	100.19	100.22
1968												
5	.....	99.98	99.69	99.99	99.66	99.51	100.37	101.19	101.16	100.74	100.84	100.83
10	.....	99.84	99.89	99.71	99.58	99.68	100.71	101.51	101.07	101.05	101.01	100.73
15	.....	99.77	99.81	99.62	99.64	99.72	101.07	101.78	100.85	100.79	100.77	100.84
20	.....	99.96	99.93	99.82	99.60	99.46	101.44	101.63	101.03	101.00	100.83	100.91
25	99.85	99.84	99.59	99.60	99.59	99.78	101.54	101.50	100.94	100.84	100.72	100.63
Eom	99.72	99.91	99.98	99.53	99.60	99.92	101.52	101.10	100.93	101.00	100.67	100.87
1969												
5	100.43	100.25	100.30	100.47	100.07	100.01	99.98	100.95	101.34	101.17	100.65	100.47
10	100.76	100.50	100.52	100.45	100.15	99.81	99.89	101.41	101.30	100.97	100.73	100.57
15	100.47	100.43	100.41	100.15	100.01	99.97	99.86	101.60	.....	100.94	100.63	100.68
20	100.45	100.36	100.59	100.33	100.24	100.11	100.03	101.83	.....	101.00	100.73	100.43
25	100.75	100.37	100.52	100.11	99.94	99.74	100.35	101.53	.....	100.99	100.83	100.55
Eom	100.61	100.56	100.26	100.03	100.03	100.14	100.90	101.51	100.90	100.70	100.51	100.36

403855N0970725.1--Continued.

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	100.68	100.30	100.13	99.85	99.90	99.71	101.34	102.65	102.43	101.87	101.80	101.87
10	100.11	100.12	100.17	99.90	99.83	99.63	101.86	102.70	102.70	102.13	101.87	101.60
15	100.23	100.29	100.10	100.00	100.01	99.68	102.07	103.12	102.42	102.25	101.85	101.41
20	.....	100.47	100.08	100.02	99.73	99.77	102.60	103.08	102.06	101.85	101.83	101.63
25	.....	100.27	100.13	99.76	99.87	99.70	102.60	102.67	102.44	102.02	101.37	101.60
Eom	.....	100.11	100.08	100.01	99.82	100.89	102.90	102.73	102.07	102.00	101.53	101.46
1971												
5	101.61	101.39	.....	.....	.....	.....	.....	.....	.....	103.42	103.12	102.55
10	101.49	101.05	h101.05	.....	.....	.....	.....	.....	.....	103.24	102.79	102.60
15	101.69	101.15	101.35	100.69	.....	100.63	101.72	103.84	103.85	103.15	102.91	102.62
20	101.17	.....	.....	.....	.....	.....	.....	.....	.....	103.30	102.89	102.53
25	101.65	.....	.....	.....	.....	.....	.....	.....	.....	102.86	102.61	102.26
Eom	101.45	101.42	100.97	100.92	100.68	101.38	102.94	.....	103.33	103.10	102.90	102.42

h Tape measurement.

Saunders County

410426N0962204.1. Local number 13N-9E-24CC. Formerly A13-9-24cc. City of Lincoln. Drilled observation water-table well in sand of Pleistocene age, diam 1 1/4 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 9.54 below lsd, Oct. 25, 1971. Records available: 1933-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1967	6.57	Apr. 25, 1968	6.95	June 25, 1969	4.67	Sept. 25, 1970	9.30
Feb. 25	6.21	May 25	7.32	July 25	5.74	Oct. 25	8.64
Mar. 25	6.23	June 25	7.69	Aug. 25	7.08	Nov. 25	8.07
Apr. 25	6.44	July 25	8.46	Sept. 25	7.84	Dec. 25	7.80
May 25	6.79	Aug. 25	8.90	Oct. 25	8.05	Jan. 25, 1971	7.32
June 25	.63	Sept. 25	8.63	Nov. 25	7.86	Feb. 24	6.28
July 25	4.32	Oct. 17	7.35	Dec. 25	7.57	Mar. 25	5.15
Aug. 25	5.69	Nov. 25	7.32	Jan. 25, 1970	7.05	Apr. 25	5.75
Sept. 25	6.82	Dec. 25	7.35	Feb. 25	6.94	May 25	3.89
Oct. 25	7.06	Jan. 25, 1969	6.85	Mar. 25	6.89	June 25	5.42
Nov. 25	7.08	Feb. 25	6.79	Apr. 25	6.87	July 25	6.80
Dec. 26	7.13	Mar. 25	5.05	May 26	7.33	Aug. 25	8.09
Jan. 25, 1968	7.00	Apr. 25	3.87	June 25	7.78	Sept. 25	9.40
Feb. 25	6.98	May 25	3.89	July 25	8.74	Oct. 25	9.54
Mar. 25	6.80	June 25	3.89	Aug. 25	9.24	Nov. 24	8.90

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

411005N0962815.1. Local number 14N-8E-24ACD. Formerly A14-8-24acd. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 5 1/4 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 43.50 below lsd, Nov. 5, 1970. Records available: 1964-70. Well destroyed; measurement discontinued. Replaced by well 14N-8E-24ACD2.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	41.31	41.37	41.41	.....	41.59	41.10	.....	40.82	40.83	40.87	40.94	40.91
10	.....	41.29	41.39	.....	41.53	41.07	40.90	40.85	40.81	40.89	40.89	40.91
15	41.29	41.41	41.51	41.49	41.10	.....	40.87	40.79	40.80	40.91	40.94	41.08
20	41.22	41.46	41.43	41.47	41.13	.....	40.85	40.79	40.81	40.90	40.92	40.94
25	41.33	41.48	41.43	41.57	41.04	.....	40.61	40.79	40.83	40.89	40.83	41.01
Eom	41.31	41.43	41.48	41.43	41.16	.....	40.79	40.85	40.82	40.91	40.90	41.06
1968												
5	41.07	41.08	41.03	41.17	41.21	41.22	41.28	41.36	41.45	41.54	41.60	41.62
10	41.05	41.05	41.08	41.17	41.21	41.23	41.31	41.39	41.49	41.59	41.65	41.65
15	41.01	41.05	41.08	41.13	41.18	41.28	41.30	41.38	41.45	41.55	41.58	41.70
20	41.03	41.09	41.12	41.14	41.25	41.26	41.33	41.40	41.49	41.61	41.62	41.67
25	40.96	41.11	41.07	41.18	41.24	41.27	41.34	41.45	41.52	41.62	41.62	41.71
Eom	41.03	41.12	41.17	41.18	41.23	41.29	41.35	41.44	41.54	41.60	41.63	41.73
1969												
5	.....	41.71	41.73	41.57	41.56	41.61	41.63	41.82	41.87	42.00	42.04	42.25
10	41.72	41.74	41.71	41.56	41.57	41.63	41.65	41.85	41.92	41.93	42.07	42.27
15	41.71	41.77	41.73	41.52	41.58	41.71	41.72	41.87	41.88	41.95	42.13	42.29
20	41.69	41.78	41.69	41.55	41.63	41.70	41.76	41.86	41.92	42.00	.....	42.32
25	41.76	41.79	41.62	41.53	41.62	41.63	41.74	41.88	41.90	42.03	42.25	42.33
Eom	41.75	41.80	.....	41.57	41.58	41.65	41.83	41.89	41.95	42.01	42.24	42.39
1970												
5	42.43	42.53	42.58	42.69	42.76	42.86	42.89	.....	43.36	43.40	43.50	.....
10	42.46	42.50	42.60	42.72	42.67	42.80	42.90	42.92	.....	43.43	43.48	.....
15	42.45	42.57	42.63	42.72	42.77	42.81	42.94	.....	.....	43.43	.....	.....
20	42.50	42.60	42.61	42.68	42.75	42.80	42.99	43.21	.....	43.40	43.49	.....
25	42.44	42.60	42.61	42.72	42.78	42.75	43.02	43.24	.....	43.37	43.49	.....
Eom	42.51	42.55	42.68	42.74	42.83	42.84	43.13	43.39	43.40	.....	.....	.....

411005N0962815.2. Local number 14N-8E-24ACD2. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 80 ft, plastic pipe slotted 60-80. Lsd 1,171 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 43.48 below lsd, June 15, 1971; lowest 44.15 below lsd, Nov. 5, 1971. Records available: 1971. Replaces well 14N-8E-24ACD.

411005N0962815.2--Continued.

Lowest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	43.55	43.73	43.96	44.10	44.15	44.04
10	.....	.....	.....	.....	.....	.....	43.57	43.77	44.01	44.08	44.14	44.03
15	.....	.....	.....	43.86	.....	43.48	43.57	43.80	44.06	44.08	44.09	44.04
20	.....	.....	.....	43.80	.....	43.51	43.59	43.83	44.08	44.13	44.10	44.05
25	.....	.....	.....	43.70	.....	43.49	43.62	43.88	44.06	44.07	44.06	44.06
Eom	.....	.....	.....	43.63	.....	43.51	43.68	43.91	44.08	44.13	44.11	44.07

Scotts Bluff County

415325N1033928.1. Local number 22N-55W-11DDC. Formerly 22-55-11ddc. U.S. Geol. Survey. Bored observation water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 32 ft, cased with galvanized iron. Lsd 3,953 ft above msl. MP top of casing, at lsd. Highest water level 24.00 below lsd, Oct. 25, 1970; lowest 26.55 below lsd, May 30-31, June 1, 1963. Records available: 1962-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.97	25.21	25.44	25.65	25.80	25.99	26.05	25.60	25.23	25.17	25.27	25.45
10	25.04	25.24	25.44	25.70	25.85	26.00	26.03	25.63	25.18	25.18	25.34	25.48
15	25.07	25.29	25.46	25.70	25.88	26.01	26.03	25.55	25.14	25.16	25.35	25.52
20	25.09	25.34	25.49	25.72	25.90	26.00	25.93	25.43	25.13	25.18	25.37	25.52
25	25.12	25.38	25.52	25.74	25.94	26.02	25.86	25.44	25.14	25.20	25.90	25.57
Eom	25.17	25.40	25.59	25.77	25.92	26.02	25.74	25.30	25.14	25.23	25.42	25.59

1968

5	.....	25.77	25.90	26.08	26.27	26.28	26.41	25.55	25.37	25.22	25.25	25.38
10	.....	25.80	25.93	26.09	26.30	26.21	26.41	25.59	25.39	25.22	25.27	25.41
15	25.66	25.82	25.95	26.12	26.32	26.21	26.21	25.33	25.42	25.24	25.28	25.44
20	.....	25.83	25.98	26.15	26.33	26.25	26.04	25.39	25.36	25.23	25.32	25.46
25	.....	25.86	26.01	26.21	26.35	26.32	25.90	25.47	25.20	25.30	25.33	25.49
Eom	25.74	25.88	26.05	26.24	26.36	26.35	25.55	25.35	25.22	25.24	25.36	25.52

1969

5	25.54	25.68	25.84	26.02	26.24	26.25	26.36	25.67	25.17	24.76	24.83	25.07
10	25.56	25.70	25.87	26.10	26.27	26.25	26.38	25.65	25.15	24.70	24.88	25.10
15	25.59	25.72	25.90	26.13	26.28	26.23	26.37	25.43	25.08	24.71	24.91	25.14
20	25.61	25.76	25.92	26.15	26.28	26.28	26.07	25.44	25.02	24.71	24.97	25.16
25	25.63	25.79	25.95	26.20	26.30	26.29	25.76	25.10	24.88	24.75	25.01	25.18
Eom	25.65	25.81	25.99	26.20	26.31	26.32	25.77	25.16	24.79	24.80	25.05	25.22

1970

5	25.26	25.45	25.64	25.83	26.00	26.03	26.13	25.50	24.50	24.22	24.18	24.50
10	25.30	25.51	25.67	25.86	26.03	26.02	26.07	25.45	24.42	24.17	24.24	24.55
15	25.32	25.55	25.70	25.89	26.07	25.97	25.65	25.12	24.36	24.10	24.30	24.60
20	25.34	25.57	25.74	25.92	26.12	25.95	25.63	25.05	24.33	24.02	24.30	24.63
25	25.36	25.60	25.77	25.94	26.14	26.03	25.49	24.96	24.05	24.00	24.35	24.68
Eom	25.41	25.62	25.81	25.96	26.10	26.08	25.45	24.65	24.25	24.12	24.44	24.74

1971

5	24.80	25.11	25.34	25.57	25.75	25.92	25.96	25.49	24.84	24.93	25.15	25.30
10	24.85	25.16	25.37	25.60	25.79	25.92	25.77	25.39	24.81	24.98	.....	25.32
15	24.90	25.19	25.42	25.63	25.82	25.94	25.80	25.34	24.88	25.00	e25.23	25.35
20	24.94	25.22	25.45	25.65	25.85	25.97	25.80	25.20	24.90	25.05	.....	25.37
25	25.00	25.28	25.50	25.70	25.88	26.02	25.63	24.97	24.92	25.08	25.27	25.10
Eom	25.06	25.30	25.53	25.73	25.90	26.03	25.40	24.92	24.92	25.12	25.30	25.43

e Estimated.

420000N1035115.1. Local number 23N-56W-6AA. Formerly 23-56-6aa. Carl Gompert. Drilled irrigation water-table well in alluvium of Quaternary age, diam 18 in, depth 118 ft, casing perforated below water table. Lsd 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: 1948-71. Nov. 13, 1967, 37.79; Oct. 15, 1968, 37.76; Oct. 21, 1969, 37.28; Oct. 19, 1970, 36.03; Oct. 20, 1971, 37.34.

Seward County

405406N0971150.1. Local number 11N-2E-21DD. Formerly 11N-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. Lsd 1,550 ft above msl. MP top of casing, at lsd. Highest water level 75.99 below lsd, Dec. 11, 1965; lowest 86.82 below lsd, Aug. 14, 1971. Records available: 1958-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	79.88	79.81	79.70	79.46	79.82	79.26	78.92	82.74	81.10	80.37	80.52	80.18
10	.....	79.47	79.43	79.89	79.39	79.10	78.49	81.52	80.60	80.31	79.37	80.41
15	.....	79.77	80.21	79.55	79.65	79.46	79.96	80.13	80.44	80.44	80.20	81.10
20	.....	79.88	79.59	79.60	79.77	79.55	81.30	81.46	80.20	80.26	80.60	80.33
25	79.83	80.12	79.49	79.81	79.23	79.64	81.87	81.15	80.24	80.13	80.16	80.53
Eom	79.68	79.83	79.78	79.14	79.50	78.88	82.38	81.68	79.92	80.22	80.15	80.60

405406N0971150.1--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	80.43	80.24	79.68	80.27	80.08	79.77	82.97	.....	82.06	81.43	81.04	81.25
10	80.33	79.86	80.02	80.22	80.14	79.82	83.65	.....	81.99	81.58	81.20	81.39
15	80.60	79.91	79.92	79.96	79.55	80.12	84.10	84.26	81.53	81.11	81.09	81.70
20	80.27	79.87	80.27	79.64	80.21	79.97	84.52	83.51	81.62	81.50	81.29	81.09
25	80.24	79.93	79.63	79.99	79.98	80.40	.....	83.71	81.71	81.42	81.31	.....
Eom	80.02	80.09	80.18	79.97	79.82	81.66	.....	81.83	81.63	81.03	81.56	.....
1969												
5	.....	.....	.....	.....	80.71	80.37	81.94	84.57	83.53	82.79	82.17	81.91
10	.....	.....	.....	h80.70	80.55	80.47	82.68	85.11	83.62	82.40	82.20	81.74
15	.....	.....	.....	.....	80.52	80.59	83.56	85.26	83.14	82.60	82.15	81.99
20	.....	.....	.....	80.70	80.68	80.36	83.73	85.32	83.24	82.38	82.38	81.98
25	.....	.....	.....	80.70	80.52	80.09	84.08	84.65	82.82	82.50	82.31	81.70
Eom	.....	.....	.....	80.69	80.26	80.52	85.13	84.05	82.78	82.25	82.09	81.73
1970												
5	.....	81.51	81.06	80.94	80.90	80.76	85.10	86.25	84.51	83.47	83.58	83.48
10	.....	81.39	81.02	80.87	80.87	80.39	85.62	85.62	84.83	83.84	83.18	83.05
15	.....	81.29	81.08	80.72	.....	80.65	86.00	85.87	84.54	84.09	83.60	82.73
20	.....	81.53	80.98	80.77	80.80	81.71	86.38	84.14	83.80	83.67	83.24	83.11
25	.....	81.30	80.95	80.79	80.71	83.10	86.35	84.51	83.95	83.56	82.72	82.99
Eom	81.61	81.07	80.93	80.81	80.68	84.09	86.76	84.95	84.05	83.69	83.09	82.79
1971												
5	.....	.....	82.40	82.65	81.73	81.95	84.40	86.41	86.31	85.60	85.10	84.45
10	.....	.....	82.28	82.44	82.08	81.82	85.12	86.33	86.19	85.39	84.82	.....
15	.....	.....	82.56	81.95	81.96	81.88	85.86	.....	86.11	85.14	84.76	.....
20	.....	.....	82.70	81.96	82.12	82.04	85.68	86.42	85.77	85.35	84.78	h83.89
25	.....	.....	82.37	82.16	82.17	82.58	85.85	86.62	85.55	84.85	84.55	84.06
Eom	82.85	.....	82.07	82.23	81.90	84.17	86.07	86.35	85.34	85.13	84.85	83.90

h Tape measurement.

## Sheridan County

420341N021717.1. Local number 24N-43W-15AC. Formerly 24-43-15ac. U.S. Geol. Survey. Jetted observation water-table well in fine sand of Pleistocene age, diam 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, 1958; lowest, 10.59 below lsd, Nov. 4, 1970. Records available: 1958-71, Oct. 27, 1967, 10.00; Oct. 25, 1968, 10.26; Nov. 4, 1969, 10.31; Nov. 4, 1970, 10.59; Oct. 25, 1971, 10.51.

423034N024150.1. Local number 29N-46W-10AA. Formerly 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 32.47 below lsd, Aug. 25, 1969; lowest 38.95 below lsd, May 29, 1954. Records available: 1953-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	34.74	34.94	34.98	35.03	35.28	35.37	35.22	35.23	34.24	34.27	34.24	34.22
10	34.90	34.89	35.00	35.13	35.30	35.29	35.25	35.20	34.08	34.20	34.17	34.23
15	34.88	34.93	35.08	35.10	35.32	35.28	35.26	35.14	34.18	34.26	34.20	34.34
20	34.78	34.99	35.04	35.10	35.36	35.19	35.26	35.09	34.24	34.23	34.19	34.30
25	34.92	34.94	35.05	35.21	35.36	35.23	35.27	34.98	34.23	34.23	34.25	34.37
Eom	34.87	34.98	35.10	35.10	35.38	35.24	35.26	34.60	34.18	34.22	34.19	34.35
1968												
5	34.36	34.40	34.41	34.52	34.51	34.63	34.60	33.95	33.72	33.34	33.38	33.43
10	34.26	34.28	34.49	34.56	34.57	34.57	34.59	33.86	33.48	33.34	33.41	33.47
15	34.29	34.38	34.49	34.48	34.57	34.57	34.57	33.79	33.36	33.32	33.37	33.48
20	34.36	34.39	34.56	34.48	34.63	34.53	34.52	33.65	33.37	33.35	33.42	33.47
25	34.27	34.47	34.48	34.48	34.63	34.58	34.42	33.65	33.38	33.37	33.40	33.44
Eom	34.31	34.43	34.57	34.51	34.64	34.59	34.06	33.72	33.37	33.37	33.36	33.55
1969												
5	33.50	33.52	33.67	33.74	33.90	34.06	34.06	33.65	32.95	33.14	33.21	33.31
10	33.49	33.65	33.77	33.78	33.90	34.03	34.13	33.64	32.98	33.14	33.27	33.30
15	33.54	33.63	33.74	33.80	33.96	34.08	34.21	33.57	33.05	33.24	33.23	33.37
20	33.52	33.61	33.67	33.86	34.01	34.03	34.14	32.88	33.00	33.26	33.34	33.31
25	33.61	33.65	33.72	33.78	33.95	33.92	33.87	32.47	33.06	33.30	33.39	33.39
Eom	33.58	33.72	33.67	33.82	34.04	34.15	33.72	32.75	33.05	33.23	33.33	33.37
1970												
5	33.45	33.54	33.62	33.70	33.84	33.94	34.15	33.76	33.58	33.62	33.77	33.80
10	.....	33.53	33.61	33.70	33.76	33.88	34.22	33.73	33.70	33.75	33.74	33.76
15	33.45	33.54	33.65	33.77	33.90	33.95	34.28	33.82	33.72	33.83	33.77	33.68
20	33.48	33.62	33.67	33.73	33.82	34.03	34.21	33.80	33.65	33.72	33.67	33.70
25	33.46	33.62	33.69	33.76	33.91	34.05	34.04	33.76	33.74	33.72	33.61	33.72
Eom	33.48	33.56	33.71	33.83	33.95	34.10	33.70	33.71	33.69	33.77	33.65	33.72
1971												
5	33.77	33.78	33.88	34.04	34.01	34.15	34.29	33.77	33.42	33.39	33.50	33.43
10	33.74	33.83	33.84	33.95	34.12	34.17	34.31	33.70	33.43	33.37	33.50	33.40
15	33.82	33.78	33.92	33.88	34.06	34.17	34.32	33.77	33.39	33.40	33.47	33.43
20	33.76	33.87	33.90	33.92	34.07	34.22	34.27	33.60	33.36	33.50	33.50	33.47
25	33.82	33.76	33.90	34.03	34.12	34.20	34.22	33.27	33.28	33.40	33.42	33.45
Eom	33.83	33.83	33.96	34.07	34.13	34.27	34.12	33.41	33.26	33.45	33.49	33.46

Thomas County

415845N1003340.1. Local number 23N-28W-9DA. Formerly 23-28-9da. U.S. Geol. Survey. Driven observation water-table well in fine sand and alluvium, diam 1 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 8.73 below lsd, Oct. 16, 1970; lowest 10.98 below lsd, July 23, 1940. Records available: 1934-40, 1942, 1944-50, 1953-71. Oct. 16, 1967, 9.57; Oct. 15, 1968, 9.62; Oct. 7, 1969, 9.72; Oct. 16, 1970, 8.73; Oct. 14, 1971, 9.80.

Valley County

412955N0991232.1. Local number 18N-16W-30CC. Formerly 18-16-30cc. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 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, 1958-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 3, 1967	g4.72	Oct. 24, 1968	4.11	Oct. 5, 1970	g3.98	June 4, 1971	g5.20
Oct. 4	g2.40	Apr. 1, 1969	g3.95	Oct. 27	4.46	Oct. 4	g3.40
Nov. 7	3.88	Oct. 24	3.94	Dec. 10	g4.56	15	4.54
Apr. 5, 1968	g4.97	Mar. 26, 1970	g5.07	Apr. 1, 1971	g5.30	Dec. 8	g4.10
Oct. 2	g4.40	June 3	g4.67				

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

Webster County

400423N0983140.1. Local number 1N-11W-11AB. Formerly 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: 1946-71.

Nov. 16, 1967	9.88	May 9, 1969	5.66	May 5, 1970	6.42	May 3, 1971	6.92
Oct. 21, 1968	9.25	Oct. 20	6.98	Oct. 19	7.40	Oct. 18	8.92

York County

404620N0974825.1. Local number 9N-4W-6DD. Formerly 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 90.67 below lsd, Aug. 31, 1971. Records available: 1959-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	85.26	85.21	84.82	84.82	84.68	84.58	84.34	87.38	88.57	87.62	87.05	86.69
10	85.26	85.08	84.82	84.83	84.73	84.53	84.46	87.52	88.26	87.53	87.00	86.63
15	85.25	85.10	84.85	84.94	84.60	84.50	85.38	87.82	88.08	87.43	86.93	86.61
20	85.11	84.94	84.83	84.80	84.67	84.44	85.91	88.03	87.95	87.38	86.80	86.64
25	85.17	84.86	85.03	84.80	84.59	84.44	86.55	88.56	87.69	87.25	86.89	86.58
Eom	85.07	84.82	84.96	84.79	84.63	84.35	87.00	88.73	87.63	87.11	86.73	86.51

1968

5	86.48	86.11	85.80	85.64	85.30	85.04	84.95	86.62	86.75	86.34	86.16	85.90
10	86.32	86.06	85.74	85.49	85.25	85.10	85.59	86.82	86.66	86.36	86.23	85.78
15	86.32	86.00	85.70	85.40	85.31	85.04	86.15	86.61	86.54	86.26	86.03	85.73
20	86.23	86.02	85.70	85.54	85.20	84.95	86.77	86.62	86.57	86.27	85.93	85.78
25	86.24	85.95	85.58	85.33	85.14	85.07	86.92	86.64	86.46	86.26	85.89	85.58
Eom	86.09	85.90	85.76	85.28	85.14	85.11	86.84	86.72	86.41	86.31	85.77	85.63

1969

5	85.54	85.14	84.97	84.82	84.43	84.22	84.51	85.85	87.00	86.33	85.57	85.10
10	85.46	85.24	85.06	84.76	84.48	84.14	84.42	86.24	86.81	86.20	85.46	85.07
15	85.39	85.17	84.93	84.65	84.35	84.08	84.66	86.25	86.67	86.09	85.41	85.08
20	85.36	85.10	85.07	84.72	84.48	84.22	84.86	87.05	86.49	86.02	85.33	84.85
25	85.35	85.07	84.92	84.58	84.32	83.96	84.82	87.08	86.44	85.89	85.35	84.92
Eom	85.24	85.16	84.71	84.47	84.35	84.04	85.53	87.31	86.33	85.67	85.13	84.76

1970

5	84.86	84.51	84.21	83.88	83.75	83.48	85.49	88.07	87.66	87.09	86.70	86.50
10	84.58	84.36	84.16	83.82	83.65	83.46	86.30	87.86	87.77	87.12	86.70	86.35
15	84.40	84.11	83.85	83.69	83.49	83.28	86.41	88.27	87.97	87.08	86.64	86.28
20	84.45	84.10	83.85	83.59	83.49	83.49	86.87	88.24	87.32	86.91	86.61	86.23
25	84.68	84.30	84.10	83.70	83.64	84.15	87.52	87.91	87.45	86.95	86.45	86.25
Eom	84.40	84.20	83.99	83.79	83.56	84.90	88.25	87.84	87.22	86.87	86.40	86.16

1971

5	86.13	85.88	85.67	85.31	85.01	84.81	86.30	89.04	90.49	88.75	88.47	88.24
10	86.10	85.66	85.49	85.25	85.02	84.78	86.58	89.07	90.55	88.17	88.47	88.24
15	86.13	85.67	85.58	85.10	84.94	84.72	86.68	89.85	90.50	89.12	88.35	88.24
20	85.92	85.87	85.49	85.08	84.92	84.77	87.25	90.00	90.90	89.07	88.39	88.24
25	86.14	85.55	85.37	85.10	84.93	85.30	87.90	90.38	89.55	88.80	88.79	88.24
Eom	85.91	85.70	85.52	85.04	84.87	85.84	88.60	90.67	89.94	88.79	88.79	88.24

h Tape measurement.

405305N0973515.1. Local number 11N-2W-31BA. Formerly 11-2-31bal. 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. 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, 1952; lowest 93.52 below lsd, Sept. 9-10, 1967. Records available: 1957-69. Well destroyed June 1969; measurement discontinued. Replaced by well 11N-2W-31BA3.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	90.57	.....	90.26	90.54	91.35	91.04	90.74	.....	93.50	.....	.....	.....
10	.....	.....	90.26	90.72	91.26	90.98	90.73	92.52	93.52	.....	.....	.....
15	.....	90.31	90.26	90.90	91.21	90.97	90.91	92.72	93.45	.....	.....	.....
20	.....	90.32	90.21	91.09	91.14	90.88	91.27	92.95	93.35	.....	.....	.....
25	90.45	90.31	90.23	91.34	91.11	90.84	91.70	93.17	93.24	.....	.....	.....
Eom	.....	90.29	90.39	91.41	91.07	90.78	.....	93.40	.....	.....	91.48	.....

1968

5	.....	91.22	91.01	90.90	90.76	90.68	90.81	92.65	92.65	92.16	91.75	91.51
10	.....	91.19	90.96	90.88	90.75	90.76	90.95	92.76	92.56	92.08	91.70	91.45
15	.....	91.18	90.93	90.85	90.70	90.75	90.33	92.76	92.46	92.02	91.65	91.44
20	91.39	91.17	90.93	90.81	90.70	90.75	91.85	92.68	92.38	91.94	91.62	91.37
25	91.30	91.10	90.91	90.79	90.68	90.78	92.41	92.65	92.34	91.88	91.57	91.36
Eom	91.26	91.06	90.93	90.78	90.68	90.78	92.62	92.67	92.26	91.82	91.53	91.35

1969

5	91.35	.....	90.98	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	91.28	.....	90.96	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	91.22	.....	h90.95	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	91.03	.....	.....	h90.55	.....	.....	.....	.....	.....	.....	.....
25	.....	91.00	.....	h90.64	.....	.....	.....	.....	.....	.....	.....	.....
Eom	.....	90.99	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

h Tape measurement.

405305N0973515.3. Local number 11N-2W-31BA3. York County Ground Water Conservation District. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in, depth 165 ft, cased with steel. Lsd 1,659 ft above msl. MP top of casing, 1.60 ft above lsd. Highest water level 88.65 below lsd, Apr. 20, 1970; lowest 110.15 below lsd, June 30, 1971. Records available: 1969-71. Replaces well 11N-2W-31BA.

Lowest water level for the day, from recorder graph, 1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	96.78	93.21	91.20	90.42	89.62
10	.....	.....	.....	.....	.....	.....	.....	96.27	92.95	.....	89.60	89.50
15	.....	.....	.....	.....	.....	.....	.....	98.10	92.94	.....	89.77	89.70
20	.....	.....	.....	.....	.....	.....	.....	97.46	92.41	90.92	90.17	89.64
25	.....	.....	.....	.....	.....	.....	h97.27	94.36	92.20	90.88	90.14	89.31
Eom	.....	.....	.....	.....	.....	.....	.....	94.34	91.56	.....	89.47	.....

1970

5	.....	.....	88.85	88.80	89.12	89.55	103.71	97.42	95.42	93.73	92.39	91.86
10	.....	.....	89.37	88.95	88.78	92.44	103.50	96.16	95.25	93.42	92.20	92.05
15	.....	.....	88.76	89.03	89.43	92.73	101.12	91.50	94.43	93.00	92.13	91.93
20	.....	88.93	89.29	88.65	89.95	94.94	102.57	94.17	94.24	92.68	92.29	91.80
25	89.43	89.34	89.01	88.70	91.95	98.65	103.62	95.84	93.90	92.25	92.01	91.92
Eom	89.29	89.58	89.22	88.91	89.93	101.80	103.49	95.85	93.85	92.38	91.92	91.97

1971

5	.....	91.15	91.46	91.45	91.59	91.35	.....	105.98	99.10	.....	95.10	94.25
10	.....	91.39	91.07	91.89	91.74	91.43	.....	108.60	.....	95.93	95.03	94.24
15	.....	91.42	91.33	91.86	91.72	92.19	.....	106.88	e98.11	95.88	94.77	93.81
20	91.63	90.87	.....	91.74	91.69	95.81	.....	103.16	.....	95.49	94.73	94.49
25	91.22	91.17	.....	91.29	91.20	106.34	108.20	104.30	96.24	95.41	94.48	94.06
Eom	91.45	90.90	.....	91.72	90.60	110.15	104.92	102.28	96.22	95.19	94.55	94.04

e Estimated.

h Tape measurement.

405305N0973610.1. Local number 11N-3W-36AB. Formerly 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 1,648 ft above msl. MP hole in turbine base, at lsd. Highest water level 65.82 below lsd, Sept. 11, 1952; lowest 80.44 below lsd, Oct. 19, 1971. Records available: 1948-64, 1963-71. Nov. 2, 1967, 75.19; Oct. 24, 1968, 77.35; Nov. 10, 1969, 74.64; Oct. 26, 1970, 76.72; Oct. 19, 1971, 80.44.

## References

- Keech, C. F., 1968, Water levels in observation wells in Nebraska, 1967: Nebraska Univ., Conserv. and Survey Div., Nebraska Water Survey Paper No. 23.  
 --- 1970, Groundwater levels in Nebraska, 1969: Nebraska Univ., Conserv. and Survey Div., Nebraska Water Survey Paper No. 26.  
 --- 1971, Groundwater levels in Nebraska, 1970: Nebraska Univ., Conserv. and Survey Div., Nebraska Water Survey Paper No. 28.  
 --- 1972, Groundwater levels in Nebraska, 1971: Nebraska Univ., Conserv. and Survey Div., Nebraska Water Survey Paper No. 33.  
 Keech, C. F., and Svoboda, O. R., 1969, Water levels in observation wells in Nebraska, 1968: Nebraska Univ., Conserv. and Survey Div., Nebraska Water Survey Paper No. 24.

Note.--Measurements were discontinued in 1966 for the following well:

Red Willow County - 401302N1003047.2. - Local number 3-28-20bb2.

# NORTH DAKOTA

The observation-well program in North Dakota was continued in 1967 through 1971 in cooperation with the State Water Commission and the North Dakota Geological Survey. Figure 7 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local well numbers are 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 140-61-16dccc designates the well in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 16, T. 140N., R. 16W.

## Well Descriptions and Water-Level Measurements

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

### Barnes County

471009N0982758.1. Local number 143-61-30cccc. U.S. Geol. Survey. Drilled unused water-table well in glacial sand and gravel, diam 1 $\frac{1}{2}$  in, depth 66 ft, well point. Lsd not available. MP top of 1 $\frac{1}{2}$ -in 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, 1952-71. Water levels affected by pumping of nearby municipal well. Measurement discontinued Dec. 31, 1971.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 10, 1967	40.04	July 9, 1968	39.12	July 8, 1969	40.50	Dec. 2, 1970	19.65
Feb. 26, 1968	37.77	Jan. 6, 1969	40.12	Dec. 1	36.97	Nov. 29, 1971	16.41

### Benson County

475224N0984433.1. Local number 151-63-29aac2. U.S. Geol. Survey. Drilled unused water-table well in glacial sand and gravel, diam 6 in, depth 67 ft, slotted pipe 57-67. Lsd 1,483 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 15.20 below lsd, Dec. 15, 1957; lowest 22.12 below lsd, July 10, 1970. Records available: 1951-71.

#### Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	20.24	20.26	20.09	19.93	20.06	20.21	20.69	20.91	20.65	20.64	20.75
10	20.06	20.26	20.31	19.95	19.90	20.21	20.28	20.60	20.84	20.64	20.66	20.81
15	.....	20.26	20.44	.....	19.98	20.34	20.37	20.82	20.82	20.65	20.76	20.81
20	20.16	20.26	20.39	.....	19.88	20.05	20.55	20.93	20.58	20.69	20.74	20.77
25	.....	20.31	20.36	.....	19.84	20.00	20.60	20.91	21.15	20.70	20.79	20.77
Eom	20.19	20.26	20.06	20.00	20.10	20.04	20.68	20.86	21.17	20.78	20.72	20.91

#### 1968

5	20.92	21.08	21.09	20.81	20.83	20.83	21.13	.....	21.45	21.25	21.36	21.23
10	21.01	21.10	20.95	20.82	20.84	20.86	21.30	.....	.....	21.30	21.25	21.37
15	.....	21.02	21.00	20.81	20.66	20.95	21.34	.....	.....	21.33	21.34	21.28
20	21.06	21.10	21.04	20.83	20.67	21.10	21.57	21.46	21.39	21.32	21.30	21.18
25	21.05	21.05	20.96	20.67	20.67	21.17	.....	21.52	21.43	21.33	21.36	21.28
Eom	21.08	21.07	20.85	20.75	20.65	21.30	.....	21.40	21.34	21.34	21.25	21.27

#### 1969

5	21.40	21.50	21.47	21.48	20.80	21.10	21.04	21.27	21.68	21.41	21.43	21.42
10	21.40	21.48	21.25	21.40	20.82	21.20	21.03	21.27	21.54	21.45	21.38	21.40
15	21.40	21.40	21.34	21.00	20.65	21.17	21.20	21.37	21.50	21.45	21.37	21.55
20	21.20	21.27	21.28	20.79	20.74	21.18	21.22	21.48	21.43	21.46	21.45	21.55
25	21.45	21.30	21.53	20.81	20.77	21.10	21.18	21.72	21.43	21.52	21.56	21.37
Eom	21.50	21.50	21.28	20.83	21.00	21.04	21.11	21.74	21.32	21.43	21.40	21.45

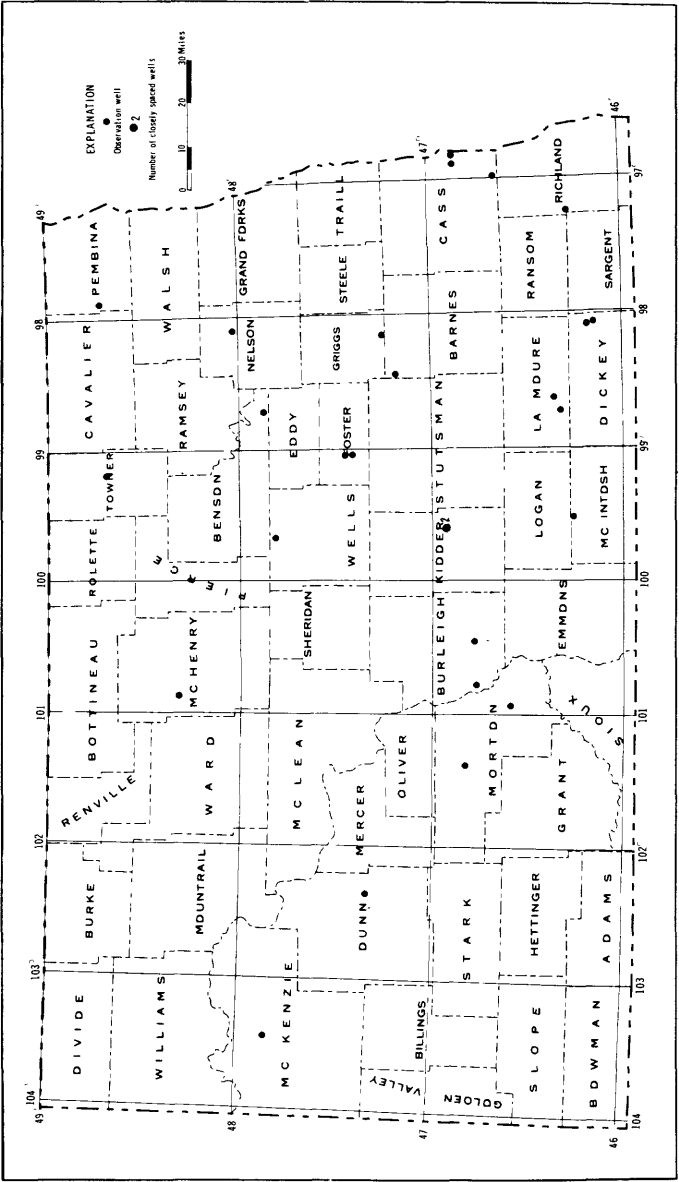


Figure 7.--Location of observation wells in North Dakota, 1967-71.



475224N0984433.1--Continued.

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.58	21.67	21.64	21.65	.....	21.43	21.90	21.60	21.48	.....	21.65	21.57
10	21.62	21.57	21.63	21.66	21.10	21.58	22.12	21.73	.....	.....	21.63	21.68
15	21.65	21.67	21.60	21.03	21.25	21.72	22.02	21.75	.....	21.45	21.70	21.47
20	21.65	21.73	21.61	20.89	21.18	21.74	21.95	21.71	.....	21.63	21.52	21.57
25	21.70	21.74	21.63	20.88	21.41	21.80	21.83	21.71	.....	21.56	21.49	.....
Eom	21.68	21.71	21.54	20.85	21.38	21.87	21.75	21.65	.....	21.62	21.50	21.69
1971												
5	.....	21.59	21.84	21.78	21.17	21.20	21.40	21.60	21.85	21.55	21.47	21.45
10	.....	21.80	21.97	21.63	21.10	21.38	21.34	21.84	21.75	21.57	21.43	21.43
15	.....	21.67	21.90	21.35	21.07	21.54	21.32	21.90	21.74	21.55	21.40	21.43
20	.....	21.87	22.00	21.31	21.07	21.54	21.33	21.71	21.75	21.60	21.43	21.49
25	.....	21.80	22.02	21.27	21.07	21.41	21.49	21.83	21.64	21.45	21.43	21.48
Eom	.....	21.80	21.85	21.18	21.18	21.39	21.45	21.86	21.63	21.55	21.47	21.50

Burleigh County

464542N1002224.1. Local number 138-77-22aad. North Dakota State Water Commission. Formerly U.S. Geol. Survey. Drilled observation artesian well in McKenzie aquifer (previously reported outwash channel deposits), diam  $\frac{1}{2}$  in, depth 126 ft, vertically-slotted steel casing 86-116 (previously reported cased to 118), gravel packed. Led 1,738.96 ft above msl. MP top of casing, 0.50 ft above led. Highest water level 8.78 below led, Apr. 29, 1970; lowest 26.03 below led, July 15, 1967. Records available: 1961-71. Water levels affected by pumping.

## Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.24	10.04	9.91	9.79	9.52	13.56	18.68	22.66	15.91	13.79	12.71	12.10
10	10.23	9.98	9.89	9.77	9.50	12.05	18.70	22.59	15.38	13.51	12.55	12.03
15	10.17	9.97	9.91	9.68	9.47	11.35	26.03	23.94	14.85	13.30	12.53	11.96
20	10.10	9.95	9.85	h9.56	9.51	10.96	.....	19.09	14.53	13.14	12.42	11.79
25	10.11	9.95	9.83	9.63	9.51	13.60	.....	17.57	14.25	13.00	12.23	11.71
Eom	10.05	9.93	9.82	9.60	h9.56	15.94	22.33	16.50	13.93	12.78	12.19	11.64

## 1968

5	11.53	11.20	10.93	10.69	10.41	12.71	10.12	18.16	11.97	11.19	10.83	10.51
10	11.49	11.15	10.90	.....	10.32	10.50	10.16	14.74	11.78	11.14	10.77	10.52
15	11.43	11.11	10.89	11.03	10.26	10.30	h10.77	13.72	11.59	11.05	10.72	10.47
20	11.36	11.05	10.89	10.99	10.29	10.24	15.71	13.11	11.51	11.00	10.67	10.42
25	11.27	11.00	10.68	10.42	10.28	10.11	17.19	12.63	11.38	10.95	10.62	10.40
Eom	11.22	10.96	10.69	10.39	10.26	10.08	18.79	12.19	11.26	10.86	10.56	10.31

## 1969

5	10.26	10.02	9.79	9.67	9.56	14.48	11.66	10.54	.....	h10.07	h9.95	9.82
10	10.21	10.01	h9.76	9.60	9.56	15.93	11.34	10.48	.....	10.04	9.90	9.76
15	10.19	9.99	9.74	9.55	12.66	17.13	11.16	.....	9.73	10.04	9.88	9.83
20	10.14	9.98	9.72	9.52	h10.19	13.50	10.93	.....	9.67	10.00	9.88	9.81
25	10.13	9.90	9.70	9.55	9.95	12.64	10.80	.....	9.65	9.99	9.86	9.70
Eom	10.09	9.81	9.71	9.56	14.10	12.03	10.69	.....	9.63	9.98	9.85	9.68

## 1970

5	h9.64	9.43	9.43	9.29	8.92	.....	.....	10.90	11.01	10.16	9.85	9.56
10	9.66	9.42	9.41	9.29	8.84	.....	.....	14.91	10.74	10.10	9.76	9.52
15	9.62	9.39	9.41	9.26	8.82	.....	.....	13.85	10.60	10.06	9.77	9.50
20	9.60	9.40	9.40	9.02	8.82	.....	11.11	12.49	10.42	9.98	9.71	9.45
25	9.51	9.40	9.32	h9.02	.....	.....	11.32	11.64	10.35	9.87	9.62	9.36
Eom	9.44	9.37	9.29	8.83	.....	.....	11.62	11.25	10.27	9.84	h9.58	9.36

## 1971

5	9.35	.....	8.98	8.94	8.86	11.56	9.87	17.36	13.85	11.65	10.62	10.17
10	9.28	.....	8.92	8.91	8.90	11.01	13.14	13.48	13.45	11.49	10.57	10.06
15	9.26	.....	8.94	8.89	13.71	10.68	11.35	17.84	12.93	11.32	10.46	9.99
20	9.22	.....	8.94	8.87	12.58	10.27	14.05	15.38	12.56	11.03	10.35	h9.93
25	.....	.....	8.94	8.89	11.49	10.07	15.55	15.42	12.24	10.90	10.31	.....
Eom	.....	.....	8.89	8.87	12.86	9.94	15.50	14.79	11.96	10.72	h10.34	.....

h Tape measurement.

464558N1004551.1. Local number 138-80-15cdd. North Dakota State Water Commission. Formerly U.S. Geol. Survey. Drilled observation artesian well in Bismarck aquifer (previously reported outwash channel deposits), diam  $\frac{1}{4}$  in (previously reported  $\frac{1}{2}$  in), depth 168 ft, steel vertically-slotted casing 110-140, gravel packed. Led 1,658.4 ft above msl. MP top of casing, 1.00 ft above led. Highest water level 32.97 below led, Apr. 12, 1969; lowest 4.60 below led, Nov. 5, 1963. Records available: 1961-71. Water levels affected by pumping.

## Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	36.22	.....	34.71	.....	34.99	35.98	37.26	.....	37.41	37.42	36.85	36.54
10	36.15	35.80	.....	.....	34.71	35.76	38.18	.....	37.54	37.15	36.82	36.49
15	e36.03	35.18	.....	.....	34.66	36.64	38.62	.....	37.41	37.08	36.88	36.50
20	.....	35.09	.....	.....	34.89	36.39	39.64	.....	37.28	37.04	36.78	36.46
25	.....	34.98	.....	34.82	35.14	35.83	h38.29	37.33	37.74	37.02	36.66	36.29
Eom	.....	34.90	.....	34.81	h35.18	37.49	39.22	37.84	37.35	h36.91	36.55	36.17

464558N1004551.1--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	35.97	35.22	34.79	35.14	35.93	.....	.....	36.95	36.91	36.82	37.17	36.35
10	35.77	35.10	34.74	35.21	35.68	.....	.....	37.09	36.87	36.77	36.47	h36.09
15	35.63	35.04	34.67	35.13	35.68	.....	.....	37.26	36.79	36.67	36.50	.....
20	.....	h35.08	34.83	35.20	35.65	.....	.....	37.16	36.89	36.62	36.41	.....
25	35.35	34.96	35.89	h36.25	36.53	.....	.....	36.96	36.83	36.62	36.48	.....
Eom	35.25	34.94	35.03	.....	.....	.....	.....	36.79	36.85	36.91	36.32	.....
1969												
5	.....	34.69	34.21	33.87	33.71	35.52	35.45	35.12	36.10	36.50	.....	.....
10	h35.21	34.62	h34.18	33.14	33.93	35.43	35.24	35.23	36.81	.....	.....	.....
15	35.04	34.56	34.09	33.12	34.81	35.08	h35.69	35.64	36.26	.....	.....	35.80
20	34.99	34.49	33.99	33.31	h34.74	36.36	34.91	35.79	36.26	.....	.....	35.65
25	.....	34.36	34.05	33.36	34.32	35.50	35.05	36.04	37.06	.....	.....	35.57
Eom	34.80	34.33	34.07	33.67	34.52	35.40	35.32	35.98	36.42	.....	.....	35.40
1970												
5	.....	.....	33.93	34.34	33.71	34.30	34.39	36.34	.....	36.43	36.04	35.77
10	34.11	.....	33.89	34.37	33.69	34.68	36.34	36.84	.....	36.45	35.92	35.65
15	.....	.....	33.92	34.37	33.53	34.06	36.36	36.22	.....	36.54	35.93	35.50
20	.....	.....	33.98	34.10	33.57	33.89	36.61	36.56	.....	36.69	35.84	35.42
25	.....	.....	34.11	34.04	33.60	34.21	35.73	36.59	36.54	36.23	35.77	35.26
Eom	.....	.....	34.32	33.58	33.68	35.30	35.62	36.33	36.51	36.12	h35.67	35.08
1971												
5	35.01	.....	33.94	33.76	33.82	34.19	34.00	35.72	36.11	36.12	35.76	35.48
10	34.85	.....	33.88	33.71	33.65	34.24	34.73	36.18	36.41	36.02	35.69	35.40
15	34.75	.....	33.76	33.68	33.80	34.18	34.43	35.73	36.10	36.10	35.71	35.38
20	34.50	.....	33.58	33.74	34.10	33.95	34.96	36.75	36.24	35.92	35.65	35.16
25	34.47	34.89	33.61	33.73	34.18	33.96	35.01	36.65	36.20	35.78	35.59	.....
Eom	34.32	33.99	33.63	33.64	33.91	34.13	35.18	36.64	36.18	35.74	35.57	.....

e Estimated.

h Tape measurement.

Cass County

463851N0970101.1. Local number 137-50-29dca. 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. Lsd 942 ft above msl. 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, 1954-71. Measurement discontinued Dec. 31, 1971.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 11, 1967	6.30	July 23, 1968	6.22	July 23, 1969	2.20	Dec. 1, 1970	7.30
Feb. 27, 1968	9.15	Jan. 9, 1969	7.87	Dec. 4	8.12	Nov. 30, 1971	4.91

465239N0964741.1. Local number 139-48-6oodl. The Pierce Printing Co. 1019 First Ave. North, Fargo. Drilled unused artesian well in glacial drift, diam 6 in, depth 180 ft (previously reported 403 ft), cased to 180. Lsd 899 ft above msl. MP top edge of coupling on top of casing, about 5.00 ft below lsd. Highest water level 28.01 below lsd, July 3, 1940; lowest 83.98 below lsd, Aug. 12, 1960. Records available: 1940-67, 1969-71. No measurement made in 1968. Measurement discontinued Dec. 31, 1971. July 11, 1967, 51.03; Sept. 16, 1969, 52.72; Jan. 7, 1970, 51.70; Dec. 1, 53.21; Nov. 30, 1971, 54.42.

465309N0965427.1. Local number 139-49-6adb. Union Stockyards. Drilled unused artesian well in glacial drift, diam 8 in, depth 230 ft, screened 220-230. Lsd 891 ft above msl. MP top of 8-in casing, 0.40 ft above lsd. Highest water level 24.90 below lsd, May 7, 1938; lowest 118.65 below lsd, Dec. 31, 1971. Records available: 1938-71.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	112.42	112.73	112.83	112.94	113.03	113.12	113.22	113.36	.....	h113.78
10	.....	.....	112.48	.....	.....	112.96	113.02	113.14	113.25	113.40	113.65	h113.81
15	.....	.....	.....	.....	.....	112.95	113.08	113.15	113.26	113.42	113.75	.....
20	.....	.....	.....	.....	.....	112.97	113.08	113.14	113.29	113.47	113.75	.....
25	.....	.....	112.66	.....	h112.85	112.99	113.08	113.16	113.31	113.48	113.78	.....
Eom	.....	.....	112.68	112.77	112.89	113.00	113.11	113.21	113.34	.....	.....	.....
1968												
5	.....	.....	.....	114.62	114.40	114.23	114.13	114.08	114.12	114.09	114.17	.....
10	.....	.....	.....	114.56	114.37	114.22	114.13	114.09	114.14	114.07	114.26	h114.45
15	.....	.....	.....	114.52	114.33	114.24	114.10	114.08	114.14	h114.15	114.27	.....
20	.....	.....	.....	114.49	114.31	114.26	114.10	114.07	114.12	114.15	.....	.....
25	114.28	.....	.....	114.45	114.30	114.25	114.10	114.09	114.11	114.18	.....	.....
Eom	114.63	.....	.....	114.42	114.27	114.14	114.09	114.12	114.10	114.19	.....	.....
1969												
5	.....	.....	115.15	115.38	.....	.....	115.65	.....	116.76	116.86	117.65	117.99
10	h114.63	.....	115.18	115.40	.....	.....	115.71	.....	116.90	116.95	117.67	117.02
15	.....	114.99	115.23	.....	.....	.....	h115.67	.....	116.96	117.17	117.70	118.03
20	.....	115.05	115.25	.....	.....	.....	116.35	h116.51	117.11	117.28	117.78	118.06
25	.....	115.10	115.34	.....	.....	115.56	116.46	116.57	117.17	117.42	117.84	118.11
Eom	.....	115.13	115.37	h115.36	.....	115.60	.....	116.66	116.80	117.58	117.92	.....

465309N0965427.1--Continued.

1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	h118.19	118.48	118.50	118.47	.....	.....	118.05	118.06	118.05	118.00	118.09	118.11
10	.....	118.50	118.51	118.47	.....	.....	118.04	118.05	118.12	118.00	118.10	118.17
15	.....	118.53	118.53	118.44	.....	.....	118.04	118.06	h118.00	h118.01	118.15	118.24
20	.....	118.51	118.55	118.34	.....	.....	.....	118.03	117.97	118.02	118.15	118.27
25	.....	118.54	118.55	.....	118.23	117.95	118.10	118.03	117.97	118.02	118.15	118.30
Eom	118.53	118.52	118.47	.....	118.23	118.02	118.10	118.04	117.95	118.02	118.10	118.29

1971

5	.....	118.23	118.37	118.50	118.38	.....	117.90	117.89	117.88	h118.01	118.23	118.47
10	.....	118.28	118.44	118.50	118.36	118.08	117.87	117.87	117.89	118.05	118.33	118.48
15	118.40	118.31	118.35	118.48	118.40	118.03	117.86	117.85	117.91	118.07	118.35	118.50
20	118.49	118.35	118.40	118.45	118.33	118.00	117.85	117.83	117.96	118.11	118.37	118.53
25	118.46	118.32	118.46	118.44	.....	117.99	117.86	117.83	118.02	118.16	.....	118.60
Eom	118.34	118.32	118.45	118.40	.....	117.92	117.87	h117.88	118.01	.....	h118.42	118.65

h Tape measurement.

Dickey County

460920N0980526.1. 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. Lsd 1,331 ft above msl. MP  $\frac{1}{2}$ -in steel pipe in pumpbase, 0.40 ft above lsd. Highest water level 25.12 below lsd, July 10, 1969; lowest 27.28 below lsd, Dec. 2, 1970. Records available: 1962-67, 1969-70. No measurement made in 1968, 1971. Measurement discontinued Dec. 31, 1971. July 13, 1967, 26.30; Jan. 10, 1969, 26.53; July 10, 25.12; Dec. 4, 26.10; Dec. 2, 1970, 27.28.

460813N0980456.1. Local number 131-59-28bal. City of Oakes. Driven observation water-table well in deposits of glacial Lake Dakota, diam 14 in, depth 24 ft, well point. Lsd 1,131.05 ft above msl. MP top of casing, 1.10 ft above lsd (since 1964). Highest water level 6.60 below lsd, May 17, 1948; lowest 11.01 below lsd, Sept. 10, 1959. Records available: 1940-57, 1959-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 13, 1967	8.98	July 11, 1968	8.51	July 10, 1969	7.69	Dec. 1, 1970	9.81
Feb. 27, 1968	9.52	Jan. 10, 1969	9.21	Dec. 4	9.32	Nov. 29, 1971	9.84

Dunn County

472107N1020208.1 (revised). Local number 145-92-25ad1. S. F. Lesmeister. Dug domestic and stock water-table well in Fort Union Formation, diam 4 ft, depth 17 ft, lined with wood. Lsd not available. 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: 1942-71. Measurement discontinued.

Jan. 2, 1967	7.66	Oct. 2, 1967	6.66	July 1, 1968	6.25	Mar. 31, 1969	6.17
9	7.66	6	6.83	8	6.25	Apr.	5.17
16	7.75	16	6.83	11	6.72	14	4.92
23	7.66	23	6.75	15	6.58	21	4.83
30	7.66	30	6.66	22	6.83	28	4.67
Feb. 6	7.66	Nov. 6	6.75	29	7.17	May 5	5.00
13	7.75	13	6.75	Aug. 5	7.17	12	5.08
20	7.66	20	6.66	12	7.50	19	5.25
27	7.83	27	6.83	19	7.17	26	4.67
Mar. 6	7.75	Dec. 4	6.83	26	6.83	June 1	5.00
13	7.75	11	6.92	Sept. 2	6.17	9	5.33
20	7.75	18	6.92	9	6.33	16	5.67
27	6.92	26	7.00	16	6.59	23	5.75
Apr. 3	6.00	Jan. 2, 1968	7.00	23	6.75	30	5.08
10	6.00	8	7.00	30	7.00	July 7	4.67
17	6.00	15	7.08	Oct. 7	7.17	14	4.33
24	6.00	22	7.08	14	7.08	21	4.33
29	6.08	29	7.08	21	7.08	28	4.50
May 8	4.17	Feb. 5	7.17	28	7.08	Aug. 4	4.92
15	4.17	12	7.17	Nov. 4	7.08	11	5.08
22	4.50	19	7.17	11	7.17	18	5.17
29	4.25	26	7.08	18	7.17	18	5.10
June 5	4.50	Mar. 4	7.17	25	7.08	25	5.50
12	4.33	11	6.83	Dec. 2	7.17	Sept. 1	5.83
19	4.17	18	6.83	9	7.17	8	5.83
26	4.17	25	6.83	16	7.25	15	6.08
July 3	4.33	Apr. 1	6.67	23	7.33	22	6.08
10	4.58	8	6.75	Jan. 6, 1969	7.33	29	6.17
17	4.75	15	6.67	13	7.42	Oct. 6	6.42
24	4.92	22	6.58	20	7.50	13	6.67
31	5.33	29	6.50	27	7.50	20	6.42
Aug. 7	5.71	May 6	6.50	Feb. 3	7.50	27	6.58
14	6.08	13	6.33	10	7.83	Nov. 3	6.58
21	6.33	20	6.25	17	8.00	10	6.67
28	6.58	27	6.33	24	8.08	17	6.67
Sept. 5	6.83	June 3	6.42	Mar. 3	8.00	24	6.67
11	7.08	10	6.25	10	7.75	Dec. 1	6.58
18	6.75	17	6.17	17	7.42	8	6.83
25	6.75	25	6.25	24	6.67	15	7.00

472107N1020208.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 22, 1969	7.08	June 29, 1970	4.00	Dec. 28, 1970	6.25	June 28, 1971	4.00
29	7.17	July 6	4.00	Jan. 4, 1971	6.50	July 5	3.85
Jan. 5, 1970	7.25	13	4.33	11	6.50	July 12	3.67
12	7.25	20	4.58	18	6.58	19	3.92
19	7.33	27	4.67	25	6.58	26	4.17
26	7.42	Aug. 3	4.58	Feb. 1	6.42	Aug. 2	4.42
30	7.50	10	4.67	8	6.50	9	4.50
Feb. 2	7.50	17	4.83	15	6.50	16	4.67
9	7.50	24	4.92	22	6.58	23	4.75
16	7.33	31	5.17	28	6.75	30	5.08
24	7.58	Sept. 8	5.50	1	7.17	Sept. 6	5.08
Mar. 2	7.50	14	5.50	8	7.00	13	5.17
9	7.25	21	5.50	15	6.92	20	5.25
16	7.25	28	5.50	22	6.67	27	5.25
23	7.17	Oct. 5	5.83	29	6.85	Oct. 4	5.33
30	6.50	12	5.92	Apr. 5	6.58	11	5.33
Apr. 6	6.58	19	5.75	12	6.17	18	5.25
13	6.58	26	5.83	19	5.67	25	5.25
20	6.08	Nov. 2	5.83	26	5.33	Nov. 1	5.17
27	5.58	9	5.92	3	4.92	8	5.25
May 4	4.17	16	5.92	May 10	4.67	15	5.33
11	3.58	23	6.00	17	4.92	22	5.33
18	3.00	30	6.00	24	5.08	29	5.25
25	3.17	30	6.40	31	4.75	Dec. 6	5.33
June 1	3.58	Dec. 7	6.00	June 7	4.25	13	5.58
8	3.67	14	6.02	14	3.67	20	5.58
15	3.67	21	6.17	21	3.50	27	5.58
22	3.83						

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. Lsd 1,542 ft above ms1. 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 6.07 below lsd, July 23, 1968. Records available: 1961-71. Measurement discontinued Dec. 31, 1971.

July 26, 1967	3.49	July 23, 1968	6.07	July 22, 1969	3.88	Dec. 3, 1970	3.97
Jan. 16, 1968	5.73	Jan. 21, 1969	5.80	Dec. 17	3.67	Dec. 1, 1971	3.95

473030N0990732.1. Local number 147-66-3laac1. Formerly 147-66-3laac. North Dakota Agricultural Experiment Station. Drilled irrigation artesian well in Carrington aquifer (previously reported buried glaciofluvial deposits), diam 14 in, depth 93 ft, lined with concrete to 93, screened 77-93 (previously reported 60-93). Lsd 1,563.7 ft (previously reported 1,540.47 ft) above ms1. 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, 1968-69, 1971. No measurement made in 1967, 1970. Measurement discontinued Dec. 31, 1971. July 26, 1967, well being pumped; July 23, 1968, 21.58; July 22, 1969, 21.53; Dec. 17, 21.16; Dec. 1, 1971, 21.72.

Griggs County

471641N0981132.1. Local number 144-59-20bel. Griffith Loan & Investment Co. Drilled unused water-table well in glacial drift, diam 5 in, depth 51 ft, screened 45-51. Lsd not available. MP top of 5-in 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: 1940-71. Measurement discontinued.

July 10, 1967	15.50	Dec. 30, 1969	16.00	Dec. 3, 1970	14.85	Apr. 22, 1971	17.00
Aug. 6, 1968	15.49	Oct. 1, 1970	14.88	Feb. 17, 1971	16.09	May 6	16.97
July 8, 1969	14.98	Nov. 4	14.88	Mar. 31	16.99	June 7	16.07

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. Lsd not available. 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: 1955-71.

June 28, 1967	41.14	Aug. 12, 1968	41.26	July 21, 1969	40.70	Nov. 30, 1970	40.95
Nov. 20	41.39	Jan. 20, 1969	41.05	Dec. 15	40.99	Dec. 1, 1971	40.85
Feb. 12, 1968	41.62						

465518N0993916.1. Local number 140-71-28bba. U.S. Geol. Survey. Drilled observation water-table well in glacial drift (previously reported glacial outwash), diam 8 in, depth 90 ft, cased to 60, perforated. Lsd 1,760 ft above ms1. MP top of casing, 1.00 ft above lsd. Highest water level 11.75 below lsd, Dec. 3, 1956; lowest 21.71 below lsd, Aug. 5, 1971. Records available: 1955-71.

465518N0993916.1--Continued.

## Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.95	12.91	12.90	12.73	12.40	12.54	12.83	13.21	13.36	13.29	13.18	13.08
10	12.97	12.86	12.91	12.62	12.40	12.55	12.89	13.26	13.39	13.21	13.20	13.15
15	12.96	12.90	12.84	12.58	12.39	12.55	12.95	13.25	13.30	13.20	13.15	13.15
20	12.88	12.93	12.82	12.53	12.42	12.63	12.97	13.25	13.28	13.18	13.20	13.20
25	12.85	12.92	12.80	12.53	12.40	12.73	13.06	13.29	h13.22	13.20	13.16	13.15
Eom	12.93	12.88	12.69	12.48	12.52	12.75	13.10	13.37	13.25	13.17	13.16	.....

1968

5	.....	13.17	13.12	12.90	12.78	12.81	12.52	12.74	12.78	12.77	12.74	.....
10	.....	13.15	13.11	12.90	12.70	12.69	12.59	12.83	12.73	12.77	.....	.....
15	h13.16	13.16	13.03	12.86	12.63	12.63	12.63	12.79	12.84	12.74	.....	.....
20	13.16	13.17	12.98	12.81	12.72	12.57	.....	12.84	12.87	12.74	h12.71	12.66
25	13.11	13.17	12.89	12.75	12.76	12.51	12.69	12.78	.....	12.75	.....	.....
Eom	13.12	13.19	12.93	12.73	12.75	12.48	12.64	12.83	12.78	12.74	.....	.....

1969

5	.....	.....	12.54	12.48	12.20	12.21	.....	13.02	14.29	12.85	12.74	12.72
10	.....	.....	.....	12.40	12.20	12.65	.....	13.60	13.47	.....	12.76	12.68
15	.....	.....	.....	12.32	12.19	12.48	.....	14.35	h13.16	.....	12.74	h12.70
20	h12.60	12.65	12.49	12.22	12.20	12.55	.....	14.55	13.07	12.78	12.80	12.68
25	.....	.....	12.50	12.20	12.25	12.45	12.43	14.00	12.96	12.82	12.77	12.62
Eom	.....	12.54	12.45	12.19	12.15	.....	13.11	14.85	12.87	12.84	12.75	12.60

1970

5	12.55	12.74	12.74	12.74	12.42	13.07	13.82	14.44	14.28	13.45	13.40	13.04
10	12.57	12.78	12.72	12.75	12.33	12.68	h15.10	15.44	13.84	13.40	13.26	13.05
15	12.58	12.76	12.73	12.68	12.29	12.52	15.97	14.90	13.84	13.48	13.25	13.02
20	12.65	12.81	12.78	12.43	12.28	12.45	15.67	14.91	13.53	13.45	13.11	13.02
25	12.62	12.81	12.73	12.75	12.26	12.63	14.95	h15.08	13.48	14.00	13.05	13.00
Eom	12.71	12.78	12.75	12.40	13.67	12.83	14.75	h15.09	h13.46	13.47	h12.98	13.01

1971

5	13.00	12.91	12.79	12.60	12.28	12.65	12.51	21.71	17.45	14.45	13.91	13.68
10	12.96	12.91	12.77	12.59	12.83	12.64	12.51	19.88	17.63	14.35	13.90	13.63
15	13.00	12.88	12.71	h12.40	12.57	12.61	12.58	18.93	15.77	14.25	13.85	13.56
20	13.00	12.90	12.72	12.39	12.72	12.58	14.78	18.51	18.34	14.15	13.78	13.30
25	12.94	12.76	12.65	12.38	13.31	12.58	16.93	18.23	15.63	14.02	13.77	13.31
Eom	12.95	12.85	12.60	12.30	12.82	12.50	18.34	h19.79	14.78	13.97	13.75	13.18

h Tape measurement.

## La Moure County

462151N0984320.1. Local number 133-54-3bel. City of Edgeley. Drilled unused water-table well in Pierre Shale, diam 6 in, depth 92 ft, gravel-packed 8 ft screen. Lsd not available. MP basement-floor level, edge of 6-in flange, 9.00 ft below lsd. Highest water level 20.06 below lsd, July 11, 1969; lowest 28.05 below lsd, Aug. 29, 1946. Records available: 1940-70. No measurement made in 1971. Measurement discontinued Dec. 31, 1971. July 13, 1967, 23.00; Feb. 28, 1968, 22.67; July 12, 21.63; Jan. 9, 1969, 21.01; July 11, 20.06; Dec. 4, 20.69; Dec. 2, 1970, 20.55.

462452N0984012.1 (revised). Local number 134-54-24dol. Mrs. Fidelia Davis. Drilled unused artesian well in Dakota Sandstone of Early Cretaceous age, diam 14 in (previously reported 4 to 14 in), depth 1,265 ft, screened 1,255-1,265. Lsd not available. MP top of casing, 1.08 ft above lsd (since 1955). 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, 1961-67, 1969-71. No measurement made in 1968. July 13, 1967, +1.08; Jan. 10, 1969, frozen; July 11, +1.08; Dec. 4, +0.95; Dec. 2, 1970, +0.76; Nov. 29, 1971, +1.06.

## McHenry County

482108N1004805.1. 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. Lsd not available. MP top of 4-in 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, 1952-71. Aug. 16, 1967, 3.69; Jan. 17, 1968, 3.60; July 26, 3.50; July 25, 1969, 1.85; Dec. 17, 2.37; Dec. 2, 1970, 1.51; Dec. 1, 1971, 1.36.

## McIntosh County

481525N0993249.1 (revised). Local number 132-71-15aal. City of Wishek. Dug public-supply water-table well in glacial drift, diam 6 ft, depth 27 ft, lined with concrete. Lsd not available. 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, 1948-71. Measurement discontinued Dec. 31, 1971.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1967	24.05	Jan. 30, 1967	23.06	Mar. 6, 1967	23.82	Apr. 10, 1967	23.29
9	22.96	Feb. 6	23.08	13	23.28	17	23.30
16	23.36	13	23.05	20	23.54	24	23.25
19	23.83	20	24.16	27	23.20	May 1	23.24
27	23.03	27	24.08	Apr. 3	23.18	8	23.21

481525N0993249.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 15, 1967	23.15	Aug. 12, 1968	22.48	Oct. 6, 1969	22.23	Nov. 23, 1970	22.98
22	23.15	19	22.33	13	22.27	30	22.93
29	23.30	26	22.35	20	22.30	7	22.94
June 5	23.85	2	22.27	27	22.37	14	23.14
12	23.50	9	22.27	Nov. 3	22.39	21	23.07
20	22.93	16	22.20	10	22.40	28	23.10
26	22.98	23	22.25	17	22.53	Jan. 4, 1971	23.17
July 3	22.79	30	22.24	24	22.47	11	23.30
10	22.86	Oct. 7	22.26	Dec. 1	22.19	18	23.26
17	21.98	14	22.29	4	22.37	25	23.15
24	22.94	21	22.28	18	22.40	Feb. 1	23.18
31	22.92	28	22.35	15	22.29	8	23.21
Aug. 7	22.80	Nov. 11	22.36	22	22.37	15	23.28
14	23.09	18	22.38	29	22.45	22	23.31
21	22.76	25	22.40	Jan. 5, 1970	22.51	Mar. 1	23.31
28	22.79	Dec. 2	22.34	12	22.57	8	23.35
Sept. 4	22.82	9	22.40	22	22.54	15	23.40
11	22.87	16	22.45	26	22.60	22	23.32
18	22.93	23	22.48	Feb. 2	22.61	29	23.24
25	22.93	30	22.50	9	22.65	Apr. 5	23.29
Oct. 2	22.95	Jan. 6, 1969	22.50	16	22.70	12	23.10
9	23.00	13	22.52	23	22.72	19	23.18
16	23.22	20	22.56	Mar. 2	23.02	26	23.29
23	23.25	27	22.57	9	22.73	May 3	23.27
30	23.30	Feb. 3	22.61	16	22.77	10	23.17
Nov. 6	23.12	10	22.60	23	22.79	17	23.14
13	23.10	17	22.59	30	22.90	24	23.19
20	23.30	24	22.70	Apr. 6	22.85	31	23.23
27	23.26	Mar. 3	22.72	13	22.87	July 7	22.99
Dec. 4	23.27	10	22.74	20	22.66	June 14	23.01
11	23.13	17	22.75	27	23.50	19	22.97
Feb. 1, 1968	23.38	24	22.77	May 7	22.69	28	23.07
5	23.60	31	22.79	11	22.72	July 5	22.98
12	23.54	Apr. 7	22.70	18	22.89	12	22.83
19	23.43	14	22.18	25	22.67	19	23.09
26	23.49	21	22.18	1	22.47	26	22.95
Mar. 4	23.47	28	22.10	June 1	22.47	Aug. 2	23.02
11	23.49	May 5	22.12	15	22.27	9	23.27
18	23.48	12	22.11	22	22.10	16	23.46
25	23.49	19	22.10	29	22.54	23	23.48
Apr. 1	23.48	26	22.06	July 6	22.18	30	23.52
8	23.44	June 2	22.01	13	22.40	Sept. 6	23.21
15	23.38	9	22.09	20	23.13	13	23.31
22	23.39	16	22.20	27	23.15	20	23.29
29	23.29	23	22.16	Aug. 3	22.78	27	23.23
May 6	23.28	30	21.99	10	22.81	Oct. 4	23.30
13	23.12	July 7	22.02	17	22.70	11	23.19
20	23.15	11	22.04	24	23.16	18	23.20
27	23.21	16	22.00	31	22.80	25	23.28
June 3	22.94	21	21.83	Sept. 7	22.80	Nov. 1	23.26
10	22.76	28	21.85	14	22.87	8	23.22
17	22.61	4	21.96	21	22.84	15	23.26
20	22.52	10	21.78	28	22.82	19	23.31
July 1	22.43	18	22.07	Oct. 5	22.76	22	23.23
8	22.18	25	22.10	12	22.70	28	23.29
15	23.04	Sept. 1	22.40	19	22.74	29	23.29
22	22.29	8	22.50	26	22.90	Dec. 6	23.24
29	22.12	15	22.66	Nov. 2	22.88	13	23.30
Aug. 30	22.58	22	22.30	9	22.86	20	23.27
5	22.60	29	22.29	16	23.00	27	23.25

McKenzie County

474915N1032556.1. Local number 150-100-12cc1. Charles E. Fleck. Drilled unused water-table well in Fort Union Formation of Paleocene age, diam 6 in, depth 138 ft, screened 130-138. Lsd not available. MP top of casing, 0.95 ft above lsd. Highest water level 111.67 below lsd, Oct. 28, 1967; lowest 114.95 below lsd, Sept. 8, 1945. Records available: 1938-67. Measurement discontinued Apr. 9, 1968.

Jan. 7, 1967	112.45	May 20, 1967	112.23	July 29, 1967	112.11	Oct. 7, 1967	112.32
21	112.43	27	112.31	Aug. 5	112.05	14	112.35
Mar. 24	112.35	June 3	112.10	12	112.13	21	111.85
Apr. 1	112.39	10	112.13	19	112.04	28	111.67
8	112.11	17	112.20	26	112.25	Nov. 4	112.20
15	112.41	23	112.35	Sept. 2	111.90	11	112.60
29	112.23	July 8	112.15	16	112.27	18	112.13
May 6	111.90	15	112.20	23	112.39	25	112.40
13	112.30	22	112.23	30	111.95		

Morton County

463707N1005435.1. Local number 136-81-6dc1. Joe Lanz, 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. Lsd not available. 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, 1961-71.

463070N1005435.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 6, 1967	21.16	July 24, 1968	21.30	July 24, 1969	20.65	Dec. 2, 1970	21.00
Mar. 20, 1968	21.50	Jan. 29, 1969	21.24	Dec. 10	21.20	Dec. 2, 1971	21.05

465055N1012418.1. Local number 139-85-15oc1. Fred Lehde. Drilled stock (previously reported irrigation) water-table well in Hell Creek Formation of Late Cretaceous age, diam 24 to 16 in, depth 72 ft, lined with wood. Lsd not available. MP north point of wood curbing, 0.90 ft above lsd (since 1969). Highest water level 27.19 below lsd, May 16, 1970; lowest 71.54 below lsd, Aug. 21, 1955. Records available: 1941-71.

Jan. 8, 1967	66.00	Apr. 8, 1968	67.51	July 5, 1969	61.16	Oct. 3, 1970	64.80
14	66.17	14	67.77	12	60.40	12	68.19
20	64.98	20	68.67	16	64.12	19	68.13
27	65.79	28	68.77	19	62.13	28	64.21
Feb. 4	65.49	May 3	67.14	27	60.96	Nov. 1	61.25
11	64.94	11	67.56	Aug. 2	71.09	8	58.40
18	66.08	18	68.14	5	71.40	16	54.50
25	66.21	26	68.01	18	70.81	23	39.25
Mar. 4	66.14	June 2	67.92	23	66.26	30	51.25
10	66.33	10	67.92	31	67.28	Dec. 1	54.26
18	66.20	17	67.89	Sept. 6	68.12	12	48.69
25	65.68	26	61.18	12	68.98	20	47.14
Apr. 1	65.99	29	59.76	23	69.15	30	44.41
7	65.49	July 6	57.49	28	68.20	Jan. 2, 1971	44.13
14	66.74	12	55.54	5	69.34	10	43.34
22	68.00	21	53.76	12	63.12	16	42.54
29	67.20	26	53.40	20	65.22	24	42.39
May 6	67.38	31	53.17	30	63.19	31	42.14
12	67.19	Aug. 4	53.11	Nov. 8	67.64	Feb. 6	42.19
21	31.21	11	53.12	15	63.08	14	42.26
28	28.18	17	53.08	23	62.17	22	42.31
June 4	28.27	25	52.29	30	61.24	27	42.37
10	28.25	31	52.68	Dec. 6	60.90	Mar. 5	42.41
17	28.49	Aug. 8	52.74	11	60.99	12	42.62
24	28.44	14	52.40	14	60.99	28	42.23
July 3	39.68	21	51.77	22	60.94	Apr. 3	44.41
11	40.16	29	51.14	29	60.80	11	67.36
16	45.45	Oct. 5	50.40	Jan. 10, 1970	60.82	17	67.50
23	64.06	12	64.89	20	60.86	25	66.65
30	29.05	19	66.66	29	60.89	May 1	69.75
Aug. 7	29.14	25	67.56	Feb. 6	60.88	8	69.02
15	29.21	Nov. 2	62.46	14	60.93	16	66.09
20	33.86	9	61.59	21	60.95	23	65.43
29	66.65	16	59.42	28	60.95	29	68.58
Sept. 2	67.22	24	56.29	Mar. 5	60.94	June 5	64.99
9	67.08	30	53.58	14	60.92	12	63.96
17	55.50	Dec. 6	53.06	23	60.89	19	63.60
24	66.56	14	52.32	28	60.85	26	58.68
Oct. 30	66.28	21	51.86	Apr. 8	60.83	July 5	51.90
8	67.13	27	51.57	12	68.94	14	51.66
15	68.71	Jan. 7, 1969	51.13	19	67.98	19	49.80
21	66.96	16	51.01	26	61.46	27	51.58
30	68.57	25	50.82	May 2	48.82	31	53.21
Nov. 5	66.50	31	50.57	11	27.46	Aug. 8	57.79
12	68.08	Feb. 13	50.57	16	27.19	15	61.06
20	67.41	22	50.53	23	27.34	22	67.90
26	67.63	28	50.46	30	27.51	29	67.95
Dec. 4	67.47	Mar. 6	49.95	June 6	27.69	Sept. 6	68.71
10	67.45	14	49.74	13	27.81	11	68.61
17	67.39	20	49.20	20	28.05	19	65.66
23	67.78	29	50.22	27	29.04	26	66.66
Jan. 6, 1968	63.14	Apr. 7	49.76	July 5	28.23	Oct. 4	64.63
14	65.76	13	59.56	11	28.40	9	64.98
20	67.81	20	66.44	18	28.48	16	65.71
27	66.49	26	66.82	25	28.56	23	65.25
Feb. 3	67.88	Mar. 3	67.30	Aug. 4	28.79	30	64.32
11	67.97	9	66.79	9	28.81	Nov. 7	60.73
17	67.99	17	65.20	15	28.92	15	67.66
23	68.07	24	67.91	23	29.01	20	63.22
Mar. 2	67.84	31	67.43	31	38.79	26	63.14
10	67.30	June 8	68.02	Sept. 6	66.46	Dec. 2	59.38
16	67.99	14	66.78	13	64.19	5	58.04
25	67.88	22	64.89	19	66.49	14	59.09
30	67.66	28	65.51	28	63.28	26	57.14

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 110-129. Lsd not available. MP top of casing, 1.70 ft above lsd. Highest water level 11.80 below lsd, June 23, 1950; lowest 32.60 below lsd, Sept. 25, 1969. Records available: 1948-71. Water levels affected by pumping of city-supply wells. Measurement discontinued Dec. 31, 1971.

Aug. 22, 1967	h30.11	Sept. 20, 1967	28.35	Oct. 15, 1967	27.80	Dec. 28, 1967	27.30
30	h28.88	25	27.80	20	27.75	Jan. 1, 1968	27.15
31	29.00	30	28.05	23	h27.37	5	27.25
Sept. 5	28.90	Oct. 1	28.15	26	27.50	10	27.55
10	28.85	5	28.35	Nov. 14	h27.83	15	27.65
15	28.78	10	28.05	Dec. 5	h28.29	20	27.75

480137N0980741.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1968	27.50	Feb. 18, 1969	h29.55	Sept. 25, 1969	32.60	June 20, 1970	27.70
29	28.10	Mar. 10	30.17	Oct. 3	32.50	25	27.70
Mar. 22	h27.73	15	30.10	16	32.40	July 1	27.80
Apr. 25	h28.55	20	29.81	20	32.25	5	27.70
May 21	h28.67	Apr. 22	h29.67	25	32.15	6	27.60
25	29.15	25	29.80	Nov. 1	31.90	7	27.10
30	29.42	May 1	29.70	5	31.70	8	27.20
June 5	29.90	5	29.65	10	31.40	9	27.60
10	29.70	10	29.55	15	30.70	10	27.75
15	29.62	15	29.50	Dec. 15	30.45	11	28.00
18	h29.47	20	30.20	20	30.30	12	28.30
25	29.95	25	30.25	25	30.10	13	28.60
30	30.25	26	30.10	Jan. 1, 1970	29.85	14	28.75
July 1	30.15	27	30.30	5	29.65	17	29.10
5	30.25	28	30.70	10	29.50	20	29.30
10	30.27	29	31.00	12	29.55	25	29.30
15	30.30	30	30.95	20	29.45	30	29.25
17	h30.20	June 1	30.75	25	29.10	Aug. 1	28.90
Aug. 1	30.70	3	30.70	31	29.38	3	29.00
5	30.79	5	30.85	Feb. 5	29.40	10	29.60
10	30.88	8	31.50	10	29.25	15	29.70
15	31.0	10	31.10	21	29.35	20	30.15
20	30.91	15	30.80	25	29.35	25	30.65
25	31.01	20	30.75	Mar. 1	29.40	27	31.00
30	30.92	July 1	30.25	20	29.40	30	31.17
Sept. 5	30.88	5	30.20	21	29.50	Sept. 5	31.15
10	30.72	7	29.45	25	29.45	10	31.12
15	30.46	10	30.20	30	29.35	15	31.05
20	30.28	15	30.30	Apr. 5	29.25	20	31.00
25	30.07	20	30.40	10	29.25	25	31.05
30	30.03	23	h30.25	15	29.20	Oct. 10	31.05
Oct. 5	29.89	25	30.58	18	29.35	15	31.10
10	29.61	30	30.75	20	29.00	20	30.90
15	29.75	Aug. 5	31.00	30	28.55	25	30.75
20	29.66	10	31.05	May 5	28.70	30	30.65
25	29.50	15	31.05	10	28.55	Nov. 5	30.55
30	29.60	20	31.10	15	28.40	10	30.50
Nov. 5	29.78	24	31.20	20	27.45	15	30.40
10	29.64	Sept. 1	h31.20	30	27.40	20	30.25
15	29.55	1	31.65	30	27.40	25	30.15
20	29.35	10	31.75	June 5	27.40	30	29.90
25	29.40	15	31.95	10	27.50	Dec. 2	29.85
Dec. 11	h28.83	20	32.25	15	27.75	Nov. 30, 1971	27.88
Jan. 17, 1969	h29.56	20	32.50				

h Tape measurement.

## Pembina County

484533N0975250.1. Local number 161-56-22bbc. Formerly 161-56-22bb1. E. J. Lander Co. Dug domestic and stock water-table well in deposits of glacial Lake Agassiz, diam 5 ft, depth 14 ft, lined with concrete. Lsd not available. WP 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: 1941-71. Measurement discontinued February 1971.

Jan. 7, 1967	8.25	Sept. 16, 1967	8.98	May 25, 1968	6.50	Jan. 25, 1969	8.39
14	8.25	23	9.10	June 1	6.30	Feb. 1	8.41
21	8.27	30	9.22	8	6.25	8	8.45
28	8.30	Oct. 7	9.35	15	6.15	15	8.47
Feb. 4	8.30	14	9.37	22	6.45	22	8.50
11	8.33	21	9.41	29	6.70	Mar. 1	8.59
18	8.37	28	9.46	June 6	6.69	8	8.57
25	8.43	Nov. 4	9.48	13	6.90	15	8.56
Mar. 4	8.46	11	9.53	20	7.06	22	8.53
11	8.60	18	9.56	22	7.35	29	8.58
18	8.90	25	9.58	27	7.28	Apr. 5	7.66
25	8.30	Dec. 2	9.49	Aug. 3	7.48	12	7.30
Apr. 1	8.50	9	9.51	10	7.59	19	7.09
8	7.60	16	9.52	17	7.69	26	6.62
15	7.40	23	9.53	24	7.78	May 3	6.30
22	6.80	30	9.56	30	7.75	10	6.27
May 29	5.75	Jan. 6, 1968	9.59	Sept. 7	7.78	17	6.20
6	4.60	13	9.70	14	7.81	24	6.32
13	4.49	20	9.75	21	7.93	31	6.52
20	4.40	27	9.83	28	8.12	June 7	6.57
27	4.67	Feb. 3	9.75	Oct. 5	7.95	14	6.70
June 3	4.95	10	9.77	12	8.17	21	6.90
10	5.40	17	9.79	19	8.23	28	6.98
17	5.54	24	9.81	26	8.48	July 5	6.96
24	5.76	Mar. 2	9.83	Nov. 2	8.08	12	6.94
July 8	6.10	9	9.81	9	8.12	19	7.34
15	6.83	16	9.78	16	8.12	26	7.49
22	7.15	23	9.65	23	8.14	Aug. 2	7.72
29	7.43	30	9.53	30	8.17	9	8.07
Aug. 5	7.72	Apr. 6	9.23	Dec. 7	8.15	16	8.23
12	7.92	13	8.96	14	8.15	23	8.35
19	8.18	20	8.77	21	8.17	30	8.54
26	8.45	May 27	8.60	Jan. 4, 1969	8.21	Sept. 6	8.69
Sept. 2	8.65	11	8.28	11	8.29	13	8.87
9	8.83	18	6.84	18	8.32	20	8.98
						25	9.10



484533N0975250.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 27, 1969	9.15	Jan. 31, 1970	9.67	June 13, 1970	5.56	Oct. 24, 1970	9.17
Oct. 4	9.43	Feb. 14	9.71	20	5.64	30	9.17
11	9.30	21	9.75	27	5.79	7	9.17
18	9.32	28	9.88	July 4	6.10	14	8.96
25	9.49	10.09		11	6.40	21	8.97
30	9.48	Mar. 7	9.80	18	5.36	28	9.16
Nov. 1	8.53	14	9.73	25	5.10	Dec. 5	9.10
8	8.58	21	10.06	Aug. 1	7.23	12	8.92
15	8.68	28	10.02	8	7.53	19	9.08
22	9.13	Apr. 4	9.83	15	7.80	26	9.12
29	9.70	11	9.88	22	8.20	Jan. 2, 1971	9.12
Dec. 6	9.58	18	9.04	29	8.34	9	9.35
13	9.60	25	8.36	Sept. 5	8.90	16	9.30
20	9.60	May 2	7.00	12	8.66	23	9.34
27	9.62	9	6.35	19	8.70	30	9.40
Jan. 3, 1970	9.67	16	6.04	26	8.88	Feb. 6	9.24
10	9.66	23	5.71	Oct. 3	9.20	13	9.66
13	9.74	30	5.19	10	9.04	20	9.50
17	9.67	June 6	5.37	17	9.01	27	9.50
24	9.67						

Richland County

461702N0971234.1. Local number 133-52-34cdd. U.S. Geol. Survey. Formerly Max A. Jensen. Drilled (previously reported driven) observation water-table well in deposits of glacial Lake Agassiz, diam 18 in, depth 39 ft, well point 36-39 (previously reported diam 14 in, depth 20 ft, well point 15-20). Lsd not available. MP top of casing, 2.00 ft above lsd. Highest water level 0.59 below lsd, Apr. 19, 1969; lowest 10.09 below lsd, Jan. 10, Mar. 24, 1959. Records available: 1937-71.

Jan. 7, 1967	5.34	Mar. 2, 1968	6.73	Apr. 19, 1969	0.59	May 29, 1970	3.44
14	5.41	16	6.94	26	1.20	June 1	3.29
21	5.53	3	3	3	1.75	15	2.71
28	5.65	23	6.60	May 10	1.26	20	1.46
Feb. 4	5.50	30	6.38	17	1.78	27	2.89
11	5.71	Apr. 6	6.26	24	2.38	July 3	4.00
18	5.85	13	5.57	31	2.94	11	4.85
27	5.77	20	5.26	June 7	3.33	18	5.27
Mar. 4	5.74	27	4.11	14	3.83	25	5.68
11	5.48	May 4	2.82	15	3.60	Aug. 1	4.95
18	5.46	11	1.84	21	4.62	7	6.13
25	5.23	18	2.54	28	4.75	15	6.38
Apr. 1	2.78	24	3.22	July 5	4.06	24	6.37
8	2.59	June 1	2.82	12	4.60	31	6.64
15	1.52	8	2.68	19	4.03	Sept. 5	6.77
22	.96	15	2.90	26	4.79	12	6.84
29	1.02	22	2.92	Aug. 2	4.20	19	6.83
May 6	.97	29	3.42	9	5.18	25	6.90
13	1.01	July 6	3.40	16	5.58	Oct. 3	6.92
20	1.63	13	4.10	23	5.85	10	6.96
27	1.91	20	4.20	30	6.00	17	6.93
June 3	2.21	22	4.62	Sept. 5	6.18	26	6.85
10	2.17	27	4.86	13	6.28	31	6.82
17	1.11	Aug. 3	5.25	20	6.47	Nov. 7	6.38
24	1.93	10	5.36	27	6.53	14	6.12
July 1	2.20	17	5.64	Oct. 4	6.58	21	5.98
8	1.80	24	5.82	11	6.38	28	5.95
15	2.72	31	5.67	18	6.26	30	5.69
22	3.30	Sept. 7	5.86	25	6.12	Dec. 5	5.91
29	4.05	14	6.00	Nov. 1	6.20	12	6.11
Aug. 5	4.60	21	4.97	8	6.14	17	6.38
12	5.08	28	4.20	15	6.09	23	6.68
19	5.58	Oct. 5	3.58	22	6.12	Jan. 2, 1971	7.00
26	5.7	12	3.91	29	6.14	9	7.10
Sept. 1	6.03	19	3.21	Dec. 4	6.14	16	19.15
9	6.28	26	3.00	6	6.11	23	7.23
16	6.34	Nov. 2	3.44	13	6.00	30	7.28
23	6.17	9	3.21	20	6.09	Feb. 6	7.30
30	6.38	16	2.70	27	6.18	13	7.33
Oct. 6	6.40	23	3.17	Jan. 3, 1970	6.26	20	7.36
14	6.18	30	3.10	10	6.44	27	7.41
21	6.17	Dec. 7	3.58	17	6.59	Mar. 6	7.36
28	6.21	14	4.04	24	6.73	13	7.21
Nov. 4	6.18	21	4.57	31	6.75	20	6.40
10	6.17	28	5.00	Feb. 7	6.76	27	6.25
18	6.20	Jan. 4, 1969	5.18	14	6.78	Apr. 3	6.21
25	6.26	11	5.33	21	6.80	10	6.18
Dec. 2	6.28	18	5.62	28	6.71	17	5.95
9	6.31	25	5.79	Mar. 7	6.63	23	5.77
16	6.39	Feb. 1	5.87	14	6.53	May 1	5.23
23	6.13	8	5.94	21	6.45	8	6.05
30	6.38	15	5.97	28	5.84	15	5.18
Jan. 6, 1968	6.73	24	5.76	Apr. 4	5.60	20	5.33
13	6.82	Mar. 1	5.64	11	5.02	29	5.22
20	6.90	8	5.46	18	4.42	June 5	3.15
27	6.83	15	5.41	25	2.46	12	3.68
Feb. 3	6.93	22	5.38	May 2	2.74	19	3.71
10	6.99	29	5.17	9	3.50	26	3.51
17	6.89	Apr. 5	4.78	16	3.36	July 3	3.80
24	6.78	12	.78	23	3.78	10	3.82

461702N0971234.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 17, 1971	3.88	Sept. 4, 1971	3.49	Oct. 16, 1971	3.53	Nov. 27, 1971	1.97
23	4.55	11	2.71	23	3.62	Dec. 4	3.00
31	5.01	16	3.34	30	3.43		3.16
Aug. 7	5.51	25	4.56	Nov. 6	3.00		3.28
14	5.31	Oct. 2	4.32	13	3.00		3.40
21	5.73	9	4.50	20	2.95		3.98
28	6.12						

Towner County

483930N0991045.1. Local number 160-66-28bal. Alvin D. Krueger. Drilled unused water-table well in glacial drift, dian 4 in, depth 135 ft, slotted 125-135. Lsd not available. MP top of casing, 2.66 ft above lsd. Highest water level 11.94 below lsd, May 30, 1970; lowest 17.15 below lsd, Dec. 26, 1942. Records available: 1937-70. Measurement discontinued.

Jan. 7, 1967	13.31	Dec. 2, 1967	13.06	Oct. 26, 1968	12.77	Sept. 20, 1969	12.53
14	13.31	9	13.06	Nov. 2	12.76	27	12.52
21	13.31	16	13.05	9	12.75	Oct. 4	12.52
28	13.31	23	13.04	16	12.74	11	12.52
Feb. 4	13.30	30	13.03	23	12.73	18	12.51
11	13.30	Jan. 6, 1968	13.03	30	12.73	25	12.51
18	13.30	13	13.02	Dec. 7	12.72	Nov. 1	12.50
25	13.30	20	13.01	14	12.71	8	12.48
Mar. 4	13.29	27	13.00	21	12.70	15	12.47
11	13.29	Feb. 3	13.00	28	12.69	22	12.44
18	13.28	10	12.99	Jan. 4, 1969	12.68	29	12.44
25	13.28	17	12.99	11	12.68	Dec. 6	12.43
Apr. 1	13.28	24	12.98	18	12.67	13	12.42
8	13.28	Mar. 2	12.98	25	12.66	19	12.46
15	13.28	9	12.97	Feb. 1	12.66	20	12.41
22	13.27	16	12.96	8	12.66	27	12.40
29	13.27	23	12.96	15	12.65	Jan. 3, 1970	12.38
May 6	13.27	30	12.95	22	12.65	10	12.36
13	13.27	Apr. 6	12.94	Mar. 1	12.65	17	12.30
20	13.27	13	12.93	8	12.64	24	12.26
27	13.27	20	12.92	15	12.64	31	12.24
June 3	13.26	27	12.91	22	12.63	Feb. 7	12.24
10	13.25	May 4	12.90	29	12.63	14	12.24
17	13.24	11	12.90	Apr. 5	12.62	21	12.24
24	13.24	18	12.89	12	12.62	28	12.24
July 1	13.23	25	12.89	19	12.61	Mar. 7	12.23
8	13.22	June 8	12.88	26	12.61	14	12.21
15	13.21	1	12.88	May 3	12.61	21	12.18
22	13.20	15	12.87	10	12.60	28	12.14
29	13.20	22	12.87	17	12.60	Apr. 4	12.12
Aug. 5	13.20	29	12.87	24	12.59	11	12.10
12	13.19	July 6	12.86	June 7	12.59	18	12.07
19	13.19	13	12.86	14	12.58	25	12.04
26	13.19	20	12.87	21	12.58	May 2	12.02
Sept. 2	13.18	27	12.88	28	12.57	9	12.00
9	13.17	Aug. 3	12.86	July 5	12.57	16	11.98
16	13.16	10	12.85	12	12.57	23	11.96
23	13.15	17	12.83	19	12.56	30	11.94
30	13.14	24	12.81	26	12.56	June 6	11.99
Oct. 7	13.13	31	12.80	Aug. 2	12.55	13	12.04
14	13.12	Sept. 7	12.78	9	12.55	20	12.09
21	13.11	14	12.77	16	12.54	27	12.14
28	13.10	21	12.76	23	12.54	July 4	12.18
Nov. 4	13.09	28	12.76	30	12.54	11	12.20
11	13.09	Oct. 5	12.76	Sept. 6	12.54	19	12.22
18	13.08	12	12.75	13	12.53	25	12.14
25	13.07	19	12.76				

Wells County

474736N0993827.2. Local number 150-70-20dad2. Great Northern Ry. Dug unused water-table well in glacial drift, size 5 x 5 ft, depth 12 ft, lined with wood. Lsd 1,540 ft (previously reported 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: 1951-71. Measurement discontinued Dec. 31, 1971.

Jan. 2, 1967	-3.60	Apr. 24, 1967	-0.15	Aug. 14, 1967	-3.70	Dec. 4, 1967	-4.50
9	4.00	May 1	-0.05	21	3.64	11	4.45
16	4.11	8	+2.24	28	4.21	18	4.69
23	4.19	15	.23	Sept. 4	4.50	25	4.79
30	4.12	22	+1.12	11	4.65	Jan. 1, 1968	4.91
Feb. 6	4.15	29	-0.05	18	4.32	8	5.00
13	4.16	June 5	.32	25	4.50	15	5.15
20	4.31	12	.27	Oct. 2	4.05	22	5.19
28	4.38	19	.18	9	4.07	29	5.10
Mar. 6	4.35	26	.42	16	3.34	Feb. 5	5.12
13	4.17	July 3	.76	23	3.93	12	5.15
20	4.16	10	1.09	30	4.03	19	5.33
27	1.40	17	1.83	Nov. 6	4.18	26	5.43
Apr. 3	1.12	24	2.16	13	4.08	Mar. 4	5.30
10	.52	31	2.86	20	4.00	11	4.60
17	.24	Aug. 7	3.32	27	4.32	18	4.34

474736N0993827.2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 25, 1968	-4.25	Mar. 10, 1969	-5.38	Feb. 16, 1970	-4.25	Jan. 25, 1971	-5.04
1	3.79	17	5.36	23	4.34	Feb. 1	4.90
Apr. 8	4.05	24	5.33	Mar. 2	6.36	8	5.12
15	3.77	31	5.25	9	6.35	15	5.14
22	3.27	Apr. 7	-5.11	16	6.44	22	5.17
29	3.37	14	+1.52	23	6.08	Mar. 1	5.13
May 6	3.39	21	1.40	31	5.73	8	5.12
13	2.68	28	1.02	Apr. 6	3.52	15	4.80
20	1.88	May 5	.71	13	2.43	22	4.69
27	2.18	12	1.46	20	1.95	29	4.56
June 3	2.84	19	.24	27	1.56	Apr. 5	-3.05
10	3.20	26	.05	May 4	1.07	12	+5.58
17	2.69	June 2	+1.18	11	.58	19	1.13
24	2.35	9	-1.59	18	1.22	26	.90
July 1	2.17	16	.54	25	.79	May 2	.68
8	3.40	23	.62	June 1	.48	10	.43
15	4.00	30	.10	8	1.19	17	.22
22	4.10	July 7	-1.19	15	1.05	24	+0.09
29	4.37	14	.00	22	1.32	31	-1.10
Aug. 5	4.46	21	+3.30	29	1.81	June 7	+2.21
12	4.69	25	-1.69	July 6	2.52	14	-1.16
19	4.63	28	.60	13	3.28	21	+2.28
26	4.16	Aug. 4	.97	20	3.36	28	.35
Sept. 2	4.35	11	1.35	27	3.37	July 5	.46
9	4.12	18	1.90	Aug. 3	3.48	12	+1.13
16	4.43	25	2.44	10	3.92	19	-1.32
23	4.42	Sept. 1	2.85	17	4.30	26	.59
30	4.57	8	3.02	24	4.34	Aug. 2	.90
Oct. 7	4.50	15	3.22	31	4.46	9	1.62
14	4.56	22	3.35	Sept. 7	4.50	16	2.22
21	4.50	29	3.39	14	3.75	23	2.60
28	4.75	Oct. 6	3.00	21	3.64	30	3.07
Nov. 4	4.55	13	3.00	28	3.88	Sept. 6	2.49
11	4.61	20	2.80	Oct. 5	4.05	13	3.25
18	4.65	27	2.90	12	4.06	20	3.18
25	4.33	Nov. 3	2.98	19	4.09	27	3.20
Dec. 2	5.37	10	2.92	26	4.08	Oct. 4	1.54
9	4.65	17	3.25	Nov. 2	3.85	11	1.55
16	4.79	23	3.43	9	3.76	18	1.63
23	4.92	Dec. 1	3.42	16	3.72	25	1.80
30	5.00	8	3.47	23	3.85	Nov. 1	1.55
Jan. 6, 1969	5.10	15	3.50	30	3.89	8	1.85
13	5.13	22	3.52	Dec. 7	3.88	15	1.58
20	5.16	29	3.70	14	4.09	22	1.62
27	5.25	Jan. 5, 1970	3.80	21	4.60	29	1.78
Feb. 3	5.36	12	4.00	28	4.65	Dec. 6	2.22
10	5.39	19	3.90	Jan. 4, 1971	4.79	13	2.61
17	5.43	26	4.14	11	4.79	20	2.75
24	5.42	Feb. 2	4.20	18	4.85	27	3.15
Mar. 3	5.40	9	4.23				

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# SOUTH DAKOTA

The observation-well program in South Dakota was continued in 1967 through 1971 in cooperation with the State Water Resources Commission. Water-level measurements since 1968 have been a joint Federal-State program. Water-level measurements not included herein are on file in the Basic Data Section, District Office, Water Resources Division, U.S. Geological Survey, Huron, South Dakota. Figure 8 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude and longitude location, as explained on page 1. Local well numbers are also given.

The local well numbers are 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. If more than one well is in the same tract, numbers are added as suffixes. Thus the number 115-66-2aaaa designates well 1 in the NE¼NE¼NE¼ sec. 2.

## Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated. When some measurements in a table are above and others below the plane of reference, a plus (+) or minus (-) sign is placed immediately before the first entry in each column. Measurements between plus signs are above the plane of reference, and those between minus signs are below the plane of reference. Measurements to tenths of a foot were made by another agency.

## Beadle County

442112N0981740.1. Local number 110-62-9bccc. Formerly 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: 1954-71.

### Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	16.43	16.50	16.46	20.72	21.35	24.47	25.07	21.99	20.79	.....
10	.....	.....	16.41	16.51	16.37	21.81	20.97	25.47	24.41	21.83	20.43	.....
15	.....	.....	16.50	16.43	16.44	22.74	21.87	26.73	23.68	21.77	20.23	.....
20	.....	.....	16.53	16.40	17.47	22.75	22.43	25.85	22.98	21.72	19.98	.....
25	.....	.....	16.53	16.48	18.74	22.34	h23.18	26.38	22.44	21.45	19.71	.....
Eom	.....	16.42	16.53	16.36	19.56	21.83	23.66	25.74	22.12	21.05	.....	18.65

### 1968

5	18.55	18.03	17.70	17.41	17.34	17.50	23.15	29.47	24.20	25.05	23.05	20.32
10	18.45	17.98	17.71	17.38	17.32	19.85	22.50	29.55	23.65	23.95	22.30	20.07
15	18.40	17.90	17.65	17.33	17.26	21.63	22.20	27.86	25.18	24.65	21.72	19.85
20	18.35	17.85	17.65	17.25	17.32	22.65	25.90	26.66	25.35	24.05	21.30	19.60
25	18.20	17.82	17.56	17.19	17.33	h24.48	h27.70	25.90	25.75	24.10	h20.88	19.31
Eom	18.05	17.81	17.63	17.29	17.24	23.95	27.47	24.87	h24.50	23.26	20.60	.....

### 1969

5	.....	19.46	.....	17.56	16.97	16.85	.....	20.20	23.34	21.80	25.05	20.03
10	.....	19.15	.....	17.43	16.95	17.48	.....	21.32	22.60	23.10	23.32	19.70
15	.....	19.10	.....	17.34	16.84	17.66	.....	21.56	21.80	23.50	22.27	19.50
20	19.55	.....	.....	17.30	16.78	18.03	.....	22.00	21.10	23.65	21.54	19.25
25	19.53	.....	.....	17.55	17.20	h16.65	18.43	.....	23.87	20.48	24.55	20.93
Eom	19.48	.....	17.54	17.10	16.70	h19.04	17.54	24.75	20.00	h25.38	20.45	18.64

### 1970

5	.....	h17.78	h17.46	17.21	16.56	16.27	21.35	27.96	28.63	.....	.....	18.92
10	18.28	17.68	17.45	17.15	16.50	16.20	21.80	27.55	28.65	.....	.....	18.70
15	18.23	17.65	17.48	16.80	16.49	17.40	22.35	26.83	28.25	22.37	19.78	18.47
20	18.23	17.56	17.35	16.20	16.44	17.35	24.39	23.10	26.25	21.76	19.48	18.55
25	18.04	17.47	17.25	16.55	16.42	19.14	26.95	28.95	25.13	21.25	19.21	18.68
Eom	17.90	17.55	h17.23	16.52	16.25	20.74	28.00	29.80	24.30	20.82	19.00	18.62

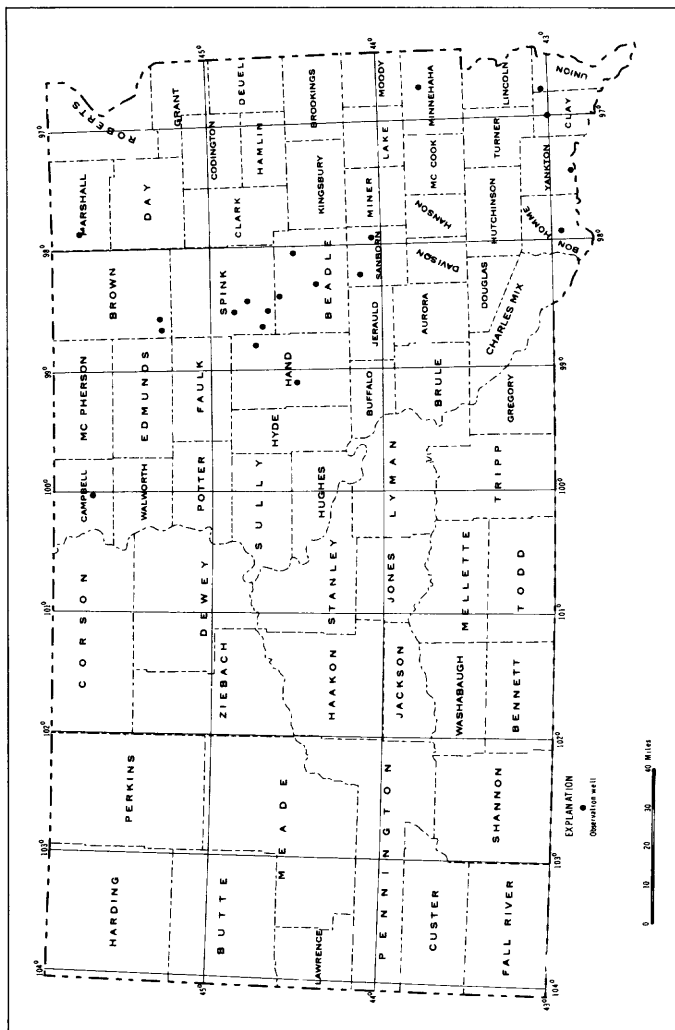


Figure 8.--Location of observation wells in South Dakota, 1967-71.

442112N0981740.1.--Continued.

1971												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.39	17.55	17.23	17.36	17.35	20.75	19.45	27.28	.....	22.70	h20.19	18.83
10	18.20	17.47	17.25	17.45	19.75	20.45	19.32	27.02	h26.13	22.25	19.97	18.66
15	18.07	17.40	17.25	17.40	20.60	20.06	20.40	28.30	25.30	h21.76	19.70	18.53
20	17.86	17.30	17.30	17.40	20.65	19.70	24.10	28.80	24.53	21.37	19.39	18.44
25	17.73	17.25	17.29	17.47	20.54	20.50	25.03	30.20	22.87	21.00	19.25	18.36
Eom	17.65	17.25	h17.19	17.38	20.56	h19.82	26.45	28.70	23.20	20.55	19.02	18.20

h Tape measurement.

443000N0980050.1. Local number 112-60-22aaaa. Water Resources Commission, B-13. North of Yale. Drilled observation artesian well in glacial drift, diam 1 1/2 in, depth 99 ft, cased to 99. Lsd about 1,332 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 21.9 below lsd, July 1963; lowest 26.49 below lsd, Nov. 5, 1971. Records available: 1960, 1962-71. No measurement made in 1961.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 16, 1960	25.6	Nov. 23, 1965	23.8	Sept. 5, 1969	25.82	Nov. 9, 1970	25.72
Aug. 9	25.3	Mar. 15, 1966	24.3	Oct. 8	25.90	Dec. 1	25.65
30	25.7	July	25.8	Nov. 4	25.91	Jan. 6, 1971	25.84
Dec. 1	25.8	November	23.8	28	25.96	Feb. 5	25.81
March 1962	24.7	Mar. 28, 1967	25.8	Jan. 7, 1970	26.05	Mar. 1	25.81
July	22.4	July 10	24.8	Feb. 6	26.15	Apr. 2	25.80
November	23.2	Nov. 30	26.0	Mar. 6	26.03	29	25.84
March 1963	23.8	Mar. 28, 1968	26.0	Apr. 6	26.01	June 1	25.95
July	21.9	July 9	26.2	May 7	25.49	July 2	26.03
November	24.4	Dec. 10	26.16	June 4	25.47	Aug. 2	26.21
March 1964	23.9	Mar. 17, 1969	26.17	July 2	24.76	Sept. 10	26.34
July	24.4	Apr. 15	25.40	Aug. 3	24.69	Oct. 5	26.45
November	26.2	May 27	25.33	Sept. 4	26.08	Nov. 5	26.49
March 1965	24.8	June 30	25.67	Oct. 12	25.84	Dec. 21	26.32
July	24.2	July 28	25.72				

443758N0982257.1. Local number 113-63-2bbbbb. Formerly 113-63-2bbbbb1. U.S. Bureau of Reclamation. Hitchcock. Drilled observation water-table well in glacial drift, diam 4 in, depth 71 ft (previously reported 155 ft), perforated 19-70. Lsd 1,307.8 ft above msl. MP top of casing, 2.10 ft above lsd (since September 1970). Highest water level 25.80 below lsd, Nov. 19, 1962; lowest 28.06 below lsd, Mar. 29, 1960. Records available: 1953-71. Recording gage removed September 1970.

Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.75	.....	26.80	.....	26.87	26.86	26.88	.....	26.86	26.90	26.74	.....
10	26.81	.....	26.82	.....	26.78	26.83	26.86	.....	26.83	26.90	26.74	.....
15	.....	26.77	26.81	26.82	26.85	26.85	26.86	.....	26.83	26.92	26.76	.....
20	.....	26.82	26.80	26.80	26.86	26.87	26.85	.....	26.84	26.90	26.69	.....
25	.....	26.77	26.82	26.85	26.82	26.90	h26.81	.....	26.83	.....	.....	.....
Eom	.....	26.82	26.78	26.73	26.87	26.86	.....	26.88	26.81	26.75	.....	26.78
1968												
5	.....	26.84	26.81	.....	26.89	26.94	26.98	26.97	26.93	26.91	26.90	26.93
10	.....	26.86	26.92	26.95	26.94	26.95	26.97	27.00	26.94	26.93	26.91	26.90
15	.....	26.85	26.83	26.89	26.92	26.99	26.95	26.97	26.88	26.90	26.88	26.92
20	.....	.....	26.90	26.91	26.95	26.91	26.95	26.95	26.93	26.94	26.88	26.92
25	h26.83	.....	h26.86	26.92	26.95	26.98	h26.98	27.00	26.94	26.92	26.91	26.89
Eom	26.85	26.85	26.91	26.90	26.95	26.98	26.97	26.94	26.91	26.87	26.90	.....
1969												
5	.....	26.83	26.88	.....	26.64	26.46	26.48	26.37	.....	26.67	26.63	26.63
10	.....	26.85	.....	.....	26.63	26.44	26.46	26.38	.....	26.65	26.63	26.61
15	.....	26.88	.....	.....	26.57	26.44	26.42	26.37	26.66	26.65	26.64	26.64
20	.....	26.98	.....	.....	26.58	26.44	26.45	26.36	26.66	26.65	26.67	26.60
25	.....	26.88	26.95	26.68	.....	26.32	26.42	26.35	26.66	26.66	26.67	26.63
Eom	.....	26.90	.....	26.67	26.50	.....	26.40	26.35	26.64	h26.64	.....	26.62
1970												
5	.....	h26.64	h26.63	26.60	26.47	26.32	26.30	26.24	.....	.....	.....	.....
10	26.63	26.62	26.65	26.59	26.40	26.30	26.27	26.24	.....	.....	.....	.....
15	26.57	26.63	26.67	26.55	26.37	26.30	26.27	26.25	.....	.....	.....	.....
20	26.64	26.64	26.66	26.57	26.37	26.31	26.29	26.23	.....	.....	.....	.....
25	26.64	26.57	26.66	26.54	26.33	26.28	26.24	26.21	.....	.....	.....	.....
Eom	.....	26.64	h26.66	26.53	26.32	26.28	26.25	26.23	.....	.....	.....	.....

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 2, 1970	26.20	Feb. 3, 1971	26.18	June 2, 1971	26.29	Oct. 6, 1971	26.44
Oct. 12	26.19	Mar. 2	26.28	30	26.32	Nov. 11	26.41
Nov. 4	26.22	31	26.15	Aug. 2	26.37	Dec. 10	26.42
Dec. 2	26.22	May 3	26.25	Sept. 9	26.36		

Bon Homme County

425643N0975710.1. Local number 94-60-21bccc. U.S. Geol. Survey. Tyndall. Drilled observation water-table well in glacial outwash, diam 3 in, depth 64 ft, sandpoint 59-64. Lsd about 1,335 ft above msl. MP top of recorder platform, 2.50 ft above lsd (since 1971). Highest water level 21.92 below lsd, July 7, 1967; lowest 27.30 below lsd, June 27, 1968. Records available: 1966-68, 1970-71. No measurement made in 1969. Recording gage installed January 1971.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 4, 1966	24.20	Dec. 13, 1966	24.41	June 5, 1967	26.12	Feb. 12, 1968	25.49
June 6	23.97	Jan. 5, 1967	24.61	July 7	21.92	Mar. 8	25.56
July 8	24.21	31	25.46	Aug. 16	23.28	Apr. 2	25.79
Aug. 4	24.49	Feb. 17	25.70	Sept. 7	23.77	May 21	26.13
Sept. 10	24.85	Mar. 9	25.82	Oct. 3	24.16	June 27	27.30
Oct. 18	25.15	Apr. 6	25.93	Nov. 22	24.75	Apr. 8, 1970	24.84
Nov. 10	25.24	May 11	26.01	Dec. 19	24.56	May 13	22.50

Water level at noon, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	25.42	.....	22.30	.....	22.83	22.74	23.43	23.80	24.29	24.66	24.89
10	.....	25.41	24.84	23.10	h23.72	22.89	22.88	23.48	23.91	24.36	.....	.....
15	.....	25.45	24.03	23.17	23.72	h22.14	22.95	23.57	23.97	24.38	24.75	.....
20	25.24	25.49	23.67	23.34	23.78	22.10	23.05	23.66	24.10	24.48	24.77	.....
25	25.37	25.15	24.02	23.50	22.80	22.28	23.18	h23.73	24.14	24.49	24.82	.....
Eom	25.42	.....	23.20	23.59	22.50	22.59	23.35	23.75	24.19	24.60	24.84	.....

h Tape measurement.

Brown County

451947N0983552.1. Local number 121-65-laaaal. U.S. Bureau of Reclamation. West Warner #1. Drilled observation artesian well in glacial drift, diam 1 in, depth 144 ft, perforated 60-144. Lsd 1,336.73 ft above msl. MP top of casing, 2.20 ft above lsd. Highest water level 25.96 below lsd, Sept. 13, 1967; lowest 31.40 below lsd, Jan. 17, 1969. Records available: 1952-58, 1967-71. No measurement made in 1959-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11, 1952	30.87	Oct. 1, 1954	29.90	Aug. 6, 1957	29.89	Oct. 7, 1969	30.19
Apr. 19	26.72	Nov. 10	29.80	Oct. 2	30.06	31	30.19
June 13	29.41	Dec. 20	29.50	Nov. 22	29.89	Dec. 3	30.19
Aug. 8	29.61	Jan. 10, 1955	29.35	Jan. 31, 1958	29.91	Jan. 8, 1970	30.15
Aug. 18	29.79	Feb. 9	29.52	Mar. 21	29.87	Feb. 5	30.12
Sept. 2	30.23	Mar. 11	29.59	Sept. 13, 1967	25.96	Mar. 5	30.12
26	30.22	Apr. 12	29.66	Nov. 15	27.30	31	30.06
Oct. 27	30.26	May 16	29.58	Dec. 13	27.87	Apr. 30	29.69
Dec. 4	30.08	June 21	29.65	Jan. 9, 1968	28.32	June 3	29.74
Jan. 17, 1953	30.00	July 13	29.60	Feb. 6	28.70	July 2	29.78
Feb. 23	30.22	Aug. 10	29.64	Mar. 4	29.04	Aug. 4	30.02
Mar. 20	30.41	Sept. 14	29.76	Apr. 1	29.17	Sept. 2	30.13
31	30.48	Oct. 17	29.81	May 1	29.00	Oct. 13	30.22
May 22	29.65	Nov. 18	29.86	June 3	30.64	Nov. 4	30.22
June 29	29.47	Dec. 29	29.87	July 24	30.80	Dec. 2	30.09
Aug. 7	29.31	Jan. 31, 1956	29.87	Sept. 3	31.21	Jan. 4, 1971	30.14
Oct. 28	29.47	Feb. 15	29.85	Oct. 2	30.92	Feb. 3	30.11
Dec. 2	29.37	Mar. 22	29.99	Nov. 1	30.93	Mar. 2	30.15
Jan. 3, 1954	29.39	May 24	29.06	Dec. 3	30.86	31	30.05
Feb. 3	29.33	June 19	29.27	Jan. 17, 1969	31.40	May 3	29.96
Mar. 4	29.45	Aug. 23	29.51	Apr. 3	30.72	June 2	29.95
Apr. 1	29.22	Oct. 17	30.25	May 1	30.50	30	29.90
May 6	29.08	Nov. 28	30.18	June 3	30.39	Aug. 3	30.05
June 7	28.99	Jan. 23, 1957	30.20	23	30.42	Sept. 1	29.98
July 7	29.71	May 26	30.28	July 29	30.06	27	30.10
28	29.86	Apr. 26	30.15	Sept. 3	30.13	Nov. 8	29.98
Sept. 9	29.52	June 26	29.78				

451946N0982922.1. Local number 122-64-36ccdd. Formerly 122-64-36ccdd. U.S. Bureau of Reclamation. Warner. 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, 2.00 ft above lsd. Highest water level 13.8 below lsd, July 3, 1953; lowest 24.44 below lsd, Apr. 1, 1968. Records available: 1953-1971.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 27, 1967	22.7	Dec. 3, 1968	21.48	Feb. 5, 1970	20.25	Jan. 4, 1971	20.61
Nov. 15	23.86	Apr. 3, 1969	21.86	Mar. 5	20.37	Feb. 3	20.70
Dec. 13	24.01	May 1	19.23	31	20.45	Mar. 2	20.83
Jan. 9, 1968	24.07	June 3	18.15	Apr. 30	18.86	31	20.89
Mar. 4	24.34	23	18.03	June 3	17.33	May 3	21.04
Apr. 1	24.44	July 29	17.65	July 1	17.61	June 2	20.97
May 2	22.67	Sept. 3	18.79	Aug. 4	19.20	30	20.81
June 3	21.20	Oct. 7	19.67	Sept. 2	19.70	Aug. 3	20.80
July 25	20.70	31	19.87	Oct. 13	20.17	Sept. 1	20.92
Sept. 3	20.42	Dec. 3	20.08	Nov. 4	20.37	Oct. 14	21.06
Oct. 2	20.98	Jan. 8, 1970	20.22	Dec. 2	20.46	Nov. 8	21.08
Nov. 1	21.30						

Campbell County

454327N1000136.1. Local number 126-76-15cccc. U.S. Geol. Survey, R-83. Mound City. Drilled observation artesian well in preglacial outwash, diam 1½ in, depth 237 ft, cased to 237, screened 234-237. Lsd about 1,688 ft above msl. MP top of casing, 4.60 ft above lsd. Highest water level 15.94 below lsd, July 2, 1971; lowest 21.67 below lsd, May 23, 1967. Records available: 1967-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 23, 1967	21.67	July 2, 1968	18.83	Sept. 17, 1969	18.63	Oct. 13, 1970	17.42
June 23	21.59	30	18.98	Oct. 8	18.55	Nov. 4	17.35
July 20	21.40	Sept. 5	19.57	Nov. 18	18.31	Dec. 17	16.97
Aug. 22	21.51	Oct. 16	19.65	Dec. 9	18.05	Feb. 17, 1971	16.79
Oct. 4	21.61	Nov. 6	19.65	Jan. 20, 1970	17.64	Mar. 10	16.72
Nov. 22	21.13	Dec. 18	19.38	Feb. 10	17.60	Apr. 15	16.59
Dec. 13	21.05	Jan. 8, 1969	19.13	Mar. 2	17.39	May 19	16.43
Jan. 4, 1968	20.60	Feb. 19	19.08	Apr. 7	17.29	June 8	16.24
Feb. 24	20.30	Mar. 11	18.60	May 10	16.92	July 2	15.94
Feb. 14	20.07	Apr. 22	18.26	June 10	16.90	Aug. 10	16.33
Mar. 6	19.68	June 3	18.14	July 2	16.83	Oct. 13	16.60
Apr. 9	19.39	July 14	17.94	Aug. 13	17.43	Nov. 9	16.40
May 8	18.95	Aug. 5	18.04	Sept. 2	17.70	Dec. 21	16.31
June 4	18.94						

Clay County

430223N0965900.1. Local number 95-52-21aaaa. Water Resources Commission, Cu66A. South of Centerville. Drilled observation water-table well in glacial outwash, diam 2 in, depth 84 ft, cased to 84. Lsd about 1,231 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 44.7 below lsd, Mar. 29, 1967; lowest 63.8 below lsd, July 23, 1968. Records available: 1966-71.

Jan. 22, 1966	55.4	Nov. 13, 1968	46.8	Nov. 18, 1970	59.0	July 8, 1971	57.80
Nov. 28	46.4	Apr. 25, 1969	52.4	Jan. 19, 1971	59.35	30	58.18
Mar. 29, 1967	44.7	July 11	55.4	Feb. 16	59.20	Aug. 25	58.77
July 10	45.0	Nov. 20	57.9	Mar. 9	58.34	Sept. 16	59.17
Dec. 12	45.4	Apr. 9, 1970	57.61	Apr. 12	57.94	Oct. 8	59.14
Mar. 12, 1968	43.3	May 12	57.57	May 12	58.15	Nov. 12	59.08
July 23	63.8	July 3	58.0	June 15	58.28	Dec. 9	59.05

Hand County

443150N0990645.1. Local number 112-69-3dc. Formerly 112-69-3dc1. C. Losey. Dug unused water-table well in glacial drift, diam 4 ft, depth 21 ft, cribbed with brick to 21. Lsd not available. 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: 1946-71.

Jan. 9, 1967	15.09	Dec. 11, 1967	13.12	Dec. 17, 1968	9.32	June 8, 1970	7.10
Feb. 6	15.27	Jan. 8, 1968	13.40	Jan. 14, 1969	9.75	July 6	7.19
Mar. 6	15.42	Feb. 5	13.57	Feb. 13	9.64	Aug. 3	7.92
20	15.48	Mar. 4	13.86	May 20	6.44	Sept. 28	9.54
Apr. 18	15.39	18	13.90	June 9	7.14	Oct. 27	9.99
May 8	15.10	Apr. 1	14.00	July 25	8.42	Nov. 23	10.39
June 3	14.73	23	13.84	Aug. 18	9.38	Feb. 18, 1971	15.12
20	14.31	May 13	13.91	Oct. 14	10.39	Mar. 11	7.56
July 10	13.44	June 3	13.91	Nov. 12	10.99	May 24	7.55
31	12.93	24	13.79	Dec. 9	11.24	June 23	8.20
Aug. 21	12.83	Aug. 5	12.35	Jan. 8, 1970	12.02	Aug. 20	9.41
Sept. 11	12.84	Sept. 3	12.25	Feb. 3	11.70	Sept. 14	9.79
Oct. 2	12.87	Oct. 1	7.46	Mar. 17	10.96	Oct. 15	9.95
23	12.84	29	8.24	May 14	8.04	Dec. 23	10.15
Nov. 13	13.00	Nov. 21	8.92				

J Water flowing in creek alongside well.

444828N0984339.1. Local number 115-66-2aaaa1. U.S. Bureau of Reclamation. Cottonwood deep. Drilled observation artesian well in glacial drift, diam 4 in, depth 62 ft (previously reported 149 ft), perforated 40-60. Lsd 1,359.65 ft above msl. MP top of cover, 3.30 ft above lsd (since September 1970). Highest water level 19.98 below lsd, Aug. 29, 1953; lowest 27.26 below lsd, Apr. 29, 1968, Mar. 24, 25, 1969. Records available: 1954-71. Recording gage removed March 1970.

Water level at noon, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	26.94	26.92	.....	.....	26.85	26.83	26.80	.....	.....	.....	.....
10	.....	26.82	26.85	.....	.....	26.79	26.82	26.88	.....	.....	.....	.....
15	.....	26.90	27.01	.....	.....	26.81	26.82	26.81	.....	.....	.....	.....
20	.....	.....	26.88	.....	.....	26.82	26.82	26.83	.....	.....	.....	.....
25	e26.80	.....	26.92	.....	e26.86	26.88	h26.80	26.95	.....	h26.95	.....	e27.00
Eom	26.80	26.90	.....	.....	26.89	26.80	26.79	e26.98	.....	.....	.....	.....



444828N0984332.1.--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	26.90	26.88	.....	.....	26.81	26.79	26.76	.....	.....	.....	.....
10	.....	26.78	26.81	.....	.....	26.75	26.78	26.84	.....	.....	.....	.....
15	.....	26.86	.....	.....	.....	26.75	26.78	26.77	.....	.....	.....	.....
20	.....	.....	26.84	.....	.....	26.78	26.78	26.79	.....	.....	.....	.....
25	e26.76	.....	26.88	.....	e26.82	26.84	26.76	26.91	e26.91	26.91	.....	e27.00
Eom	26.76	26.86	.....	.....	26.85	26.76	26.75	26.94	.....	.....	.....	.....

e Estimated.

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1968	27.07	Apr. 29, 1968	27.26	July 25, 1968	27.19	Oct. 25, 1968	27.14
Feb. 27	27.12	May 31	27.23	Aug. 27	27.11	Nov. 25	27.13
Mar. 25	27.12	June 24	27.15	Sept. 30	27.05		

## Water level at noon, from recorder graph, 1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	27.23	26.87	26.56	26.43	26.21	26.11	.....	25.87	25.97
10	.....	.....	.....	27.20	26.78	26.48	26.36	26.21	.....	25.95	25.89	25.99
15	.....	.....	.....	27.15	26.71	26.53	26.33	26.21	.....	25.99	25.94	26.04
20	.....	.....	.....	27.06	e26.71	26.53	26.33	26.21	.....	25.99	26.00	.....
25	.....	.....	27.26	26.96	.....	26.28	26.26	26.16	.....	26.05	26.07	.....
Eom	.....	.....	27.18	26.91	b26.61	.....	26.31	.....	.....	h25.92	.....	.....

b Well pumped recently.

e Estimated.

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4, 1969	27.18	Apr. 30, 1970	26.82	Nov. 4, 1970	26.30	June 2, 1971	26.68
Mar. 24	27.26	May 7	26.16	Dec. 2	26.31	Jan. 30	26.77
Apr. 12	27.11	June 3	26.19	Jan. 4, 1971	26.44	Aug. 3	26.83
Jan. 8, 1970	26.10	July 2	26.05	Feb. 3	26.48	Sept. 10	26.90
Feb. 5	26.18	Aug. 4	25.98	Mar. 2	26.68	Oct. 6	26.96
Mar. 5	26.12	Sept. 2	25.99	31	26.45	Nov. 8	26.91
31	26.31	Oct. 12	26.08	May 3	26.65	Dec. 10	26.94

## Marshall County

454729N0975114.1. Local number 127-58-19cc. Formerly 127-58-19cc1. U.S. Geol. Survey. Drilled observation water-table well in glacial drift, diam 3/4 in, depth 15 ft, screened 144-15. Lsd 1,291.6 ft above msl. MP top of casing, 3.40 ft above lsd. Highest water level 0.50 above lsd, May 8, 1969; lowest 9.40 below lsd, Oct. 9, 1956. Records available: 1950-60, 1962-71.

Jan. 23, 1967	-6.63	Nov. 1, 1968	-4.05	Jan. 9, 1970	-6.14	Dec. 3, 1970	-7.25
July 27	2.78	Dec. 3	4.09	Feb. 6	5.99	Jan. 5, 1971	7.25
Aug. 9	4.2	Mar. 6, 1969	5.22	Mar. 6	6.26	Feb. 4	7.32
Jan. 9, 1968	6.54	Apr. 3	-5.18	Apr. 1	4.58	Mar. 3	7.34
Feb. 6	6.78	May 8	+5.50	30	2.49	Apr. 1	6.32
Apr. 1	6.86	June 3	-1.50	June 2	3.45	May 4	6.34
May 3	3.18	July 30	3.89	July 1	3.95	June 2	5.78
June 3	3.23	Sept. 3	5.31	Aug. 5	5.97	July 1	7.69
24	3.66	Oct. 7	5.98	Sept. 3	6.71	Aug. 3	6.82
July 26	4.95	30	6.05	Oct. 13	7.18	Oct. 6	7.17
Aug. 29	6.26	Dec. 4	6.10	Nov. 5	7.24	Nov. 9	7.24
Oct. 2	3.94						

## Minnehaha County

434540N0964615.1. Local number 104-49-3lcccc. Water Resources Commission, S-24. Near Baltic. Drilled observation water-table well in glacial outwash, diam 1 1/2 in, depth 26 ft, cased. Lsd 1,465.09 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 4.63 below lsd, May 23, 1969; lowest 14.5 below lsd, Nov. 18, 1959. Records available: 1957-71.

Aug. 29, 1957	9.1	July 1962	6.8	July 23, 1964	12.05	Oct. 29, 1965	10.64
Nov. 5	11.0	November	10.5	Aug. 28	12.60	Nov. 23	10.90
Mar. 11, 1958	12.4	March 1963	12.4	Sept. 18	13.63	Dec. 29	10.50
July 21	11.8	July 30	11.09	Oct. 21	13.49	Jan. 25, 1966	10.90
Nov. 28	14.1	Aug. 13	11.19	Nov. 23	13.56	Feb. 26	10.79
Mar. 12, 1959	14.2	Sept. 16	11.90	Dec. 30	13.71	Mar. 30	11.07
July 14	14.0	Oct. 25	13.08	Jan. 29, 1965	13.81	May 3	10.63
Nov. 18	14.5	Nov. 19	12.37	Feb. 26	13.92	June 2	10.35
May 4, 1960	9.9	Dec. 18	12.58	Mar. 31	13.05	28	10.56
July 8	9.1	Jan. 23, 1964	12.81	Apr. 30	9.30	July 14	10.94
Nov. 1	11.5	Feb. 27	13.03	May 20	7.07	Aug. 25	11.63
Mar. 7, 1961	12.2	Mar. 17	12.81	July 7	6.39	Oct. 4	9.89
July 12	10.7	Apr. 16	11.86	30	8.06	Nov. 8	9.03
Nov. 2	11.7	May 14	11.43	Aug. 31	10.00	Dec. 12	9.73
March 1962	10.4	June 17	10.90	Sept. 30	10.23	Jan. 26, 1967	10.65

434540N0964615.1---Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 25, 1967	11.10	May 14, 1968	13.16	Sept. 15, 1969	10.45	Oct. 30, 1970	12.34
Mar. 22	10.72	June 12	13.04	Oct. 17	10.40	Nov. 25	12.50
Apr. 25	8.60	July 9	11.75	Nov. 25	11.91	Jan. 20, 1971	12.72
May 23	9.03	Aug. 8	12.00	Dec. 15	12.10	Feb. 23	12.63
June 13	9.25	Sept. 11	13.14	Jan. 14, 1970	12.46	Mar. 25	11.57
July 19	9.08	Oct. 10	10.33	Feb. 13	12.60	Apr. 20	11.06
Aug. 15	10.33	Nov. 7	11.15	Mar. 16	11.52	May 18	11.04
Sept. 6	11.46	Dec. 11	11.08	Apr. 16	10.29	June 22	10.65
Nov. 13	13.14	Apr. 1, 1969	11.73	May 16	8.87	Aug. 19	11.88
Dec. 5	13.41	May 23	4.63	June 23	6.41	Sept. 22	11.83
Jan. 10, 1968	13.73	June 18	6.08	July 20	8.39	Oct. 19	13.33
Feb. 8	13.93	July 2	7.22	Aug. 19	9.94	Nov. 19	13.35
Mar. 13	14.10	July 22	7.30	Sept. 22	11.49	Dec. 15	13.29
Apr. 18	13.93	Aug. 5	8.21				

Sanborn County

440040N0975550.1. Local number 106-59-5ddddd. Water Resources Commission, SM66J. Near Artesian. Drilled observation artesian well in glacial outwash, diam 2 in, depth 147 ft, cased to 147. Lsd 1,313.62 ft above msl. MP top of casing, 2.20 ft above lsd. Highest water level 7.5 below lsd, June 27, 1968; lowest 11.84 below lsd, Aug. 2, 1971. Records available: 1966-71.

June 22, 1966	10.2	Mar. 17, 1969	10.23	Feb. 9, 1970	10.35	Jan. 6, 1971	10.72
Nov. 18	9.4	Apr. 15	10.17	Mar. 16	10.38	Feb. 5	10.53
Mar. 29, 1967	9.1	May 26	10.15	Apr. 6	10.26	Mar. 1	10.49
July 10	11.0	June 30	10.64	May 7	10.06	Apr. 2	10.49
Nov. 14	10.7	July 28	10.66	June 4	10.47	29	10.40
Mar. 12, 1968	10.4	Sept. 5	10.75	July 2	10.57	June 1	10.51
June 27	7.5	Oct. 6	10.57	Aug. 3	11.72	July 2	10.73
Nov. 13	10.6	Nov. 4	10.41	Sept. 4	10.84	Aug. 2	11.84
Dec. 11	10.58	Dec. 28	10.47	Oct. 12	11.10	Nov. 5	10.95
Jan. 13, 1969	10.42	Jan. 7, 1970	10.43	Dec. 1	10.73	Dec. 21	10.83

440600N0981510.1. Local number 107-62-10aaaa. Water Resources Commission, S67D. North of Woonsocket. Drilled observation artesian well in glacial drift, diam 2 in, depth 13 ft, cased to 13. Lsd 1,298.98 ft above msl. MP top of casing, 1.80 ft above lsd. Highest water level 2.99 below lsd, Apr. 15, 1969; lowest 7.28 below lsd, Nov. 5, 1971. Records available: 1967-71.

Aug. 8, 1967	5.8	June 30, 1969	5.88	May 7, 1970	4.47	Feb. 2, 1971	7.07
Nov. 29	6.9	July 28	6.13	June 4	5.42	Mar. 1	7.00
Mar. 12, 1968	6.9	Sept. 5	6.47	July 2	5.86	Apr. 2	6.49
June 21	6.7	Oct. 9	6.63	Aug. 3	6.37	29	6.40
Nov. 13	6.8	Nov. 4	6.72	Sept. 4	6.67	June 1	6.54
Dec. 11	7.03	Dec. 28	6.87	Oct. 12	6.85	July 2	6.86
Jan. 13, 1969	7.18	Jan. 7, 1970	6.87	Nov. 9	6.86	Aug. 2	7.04
Mar. 17	7.22	Feb. 9	6.21	Dec. 1	6.89	Nov. 5	7.28
Apr. 15	2.99	Mar. 16	6.37	Jan. 6, 1971	7.03	Dec. 21	7.04
May 26	5.49	Apr. 6	6.05				

Spink County

444219N0983008.1. Local number 114-64-11bbbbb. Formerly 114-64-11bbbbb1. U.S. Bureau of Reclamation. South of Tulare. Drilled observation artesian well in glacial drift, diam 4 in, depth 60 ft, perforated 20-60. Lsd 1,310.77 ft above msl. MP top of recorder platform, 3.22 ft above lsd (since September 1969). Highest water level 3.85 below lsd, July 20, 1962; lowest 18.20 below lsd, Aug. 15, 1971. Records available: 1953-71. Recording gage inoperable January 1967 to April 1968.

Feb. 27, 1967	9.70	June 26, 1967	8.85	Oct. 25, 1967	11.07	Feb. 26, 1968	10.40
Mar. 28	9.39	July 25	12.06	Nov. 24	10.62	Mar. 25	10.34
Apr. 27	9.12	Aug. 28	17.00	Dec. 26	10.52	Apr. 29	9.99
May 26	9.37	Sept. 26	11.72	Jan. 26, 1968	10.41	May 31	9.61

## Water level at noon, from recorder graph, 1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	....	....	9.88	9.34	9.07	14.68	11.70	10.30	9.98	....
10	....	....	....	....	....	9.25	9.90	15.96	11.15	10.27	9.94	....
15	....	....	....	....	....	9.28	11.49	12.22	10.89	10.13	9.85	....
20	....	....	....	....	....	9.19	....	10.86	10.77	10.06	9.78	....
25	....	....	....	....	....	9.09	12.97	....	10.60	h10.12	h9.80	....
Eom	....	....	....	9.94	9.40	8.94	11.94	12.81	10.42	9.99	....	....
1969												
5	....	9.38	....	9.10	7.27	7.05	7.47	11.16	11.39	10.30	9.26	9.00
10	....	9.39	....	....	7.20	7.04	7.16	12.68	....	h9.78	9.23	8.95
15	....	9.40	....	....	7.10	7.06	8.63	16.02	11.24	....	9.14	8.97
20	....	9.39	....	....	7.12	7.05	8.42	14.00	10.80	....	9.15	8.84
25	....	9.37	9.35	7.40	....	7.60	9.80	15.88	10.59	....	9.14	8.86
Eom	....	9.35	9.27	7.35	7.02	7.42	10.82	11.76	10.38	h9.34	....	....

444212N0983008.1.--Continued.

1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	h8.74	h8.53	8.06	6.89	6.23	7.39	16.07	10.90	9.77	9.38	9.16
10	8.73	8.71	8.40	8.07	6.68	6.16	7.52	15.92	10.63	....	9.29	9.10
15	8.76	....	8.34	7.85	6.64	6.05	7.53	16.03	10.34	9.75	9.27	8.97
20	8.80	....	8.27	7.47	6.49	5.85	8.65	12.84	10.08	9.59	9.17	8.98
25	8.72	....	8.20	7.16	6.42	5.94	12.08	12.35	10.07	9.49	9.10	8.92
Eom	8.65	....	h8.16	6.98	....	6.28	....	11.40	9.91	9.86	9.02	8.86

1971

5	8.92	8.77	8.69	8.43	8.07	7.69	8.34	17.20	....	h11.41	....	....
10	8.87	8.74	8.68	8.38	8.06	7.94	9.46	17.78	h12.45	....	h10.62	h10.15
15	8.93	8.74	8.58	8.30	8.02	7.87	10.93	18.20	....	....	....	....
20	8.77	8.79	8.53	8.28	7.97	7.76	12.20	17.32	....	....	....	....
25	8.80	8.66	8.52	8.25	7.92	7.68	11.99	....	....	....	....	....
Eom	8.83	8.71	h8.33	8.13	7.90	h8.03	16.02	....	....	....	....	e10.01

e Estimated.

h Tape measurement.

444828N0982425.1. Local number 115-63-4aaaa. Formerly 115-63-4aaaal. U.S. Bureau of Reclamation. Redfield 3E. Drilled observation water-table well in lake sediments of Pleistocene age, diam 1 1/2 in, depth 24 ft, cased to 24. Lsd 1,293.8 ft above msl. MP top of casing, 1.20 ft above lsd (previously erroneously reported 0.5 ft above lsd). Highest water level 10.80 below lsd, July 26, Aug. 26, 1948; lowest 17.60 below lsd, Sept. 22, 1950. Records available: 1948-71. Water-level measurements for the period 1962-66, published in WSP 1976, are in error; 0.70 ft should be subtracted from each measurement for this period.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1967	16.41	Jan. 26, 1968	15.24	Feb. 5, 1969	16.17	Dec. 3, 1969	b20.35
Feb. 27	16.46	Feb. 27	15.37	Mar. 24	16.29	Jan. 8, 1970	b19.76
Mar. 28	16.55	Mar. 25	15.46	May 28	15.00	Feb. 5	b19.28
Apr. 27	15.90	Apr. 29	15.59	July 1	14.54	Mar. 5	b18.90
May 26	15.49	May 31	15.59	29	14.39	31	b18.43
June 26	15.14	June 24	15.75	Sept. 3	14.37	Apr. 30	b17.71
July 25	15.04	July 25	15.75	19	14.38	May 25	b16.79
Aug. 28	15.00	Aug. 27	15.80	19	b22.4	Oct. 13	15.47
Sept. 26	15.01	Sept. 30	15.96	Oct. 8	b21.90	May 3, 1971	15.18
Oct. 25	15.02	Oct. 25	15.95	31	b21.24	Nov. 8	15.37
Dec. 26	15.13	Nov. 25	16.06				

b Well pumped recently.

444458N0983855.1. Local number 115-65-28aaaa. Formerly 115-65-28aaaal. U.S. Bureau of Reclamation, Pt. 9. Drilled unused water-table (previously reported observation artesian) well in glacial outwash (previously reported glacial drift), diam 8 in, depth 105 ft (previously reported 107 ft), perforated 58-105. Lsd 1,340.4 ft above msl. MP top of recorder platform, 3.20 ft above lsd (since Aug. 10, 1970). Highest water level 22.02 below lsd, June 27, 1953; lowest 35.42 below lsd, Aug. 17, 1964. Records available: 1952-71 (previously reported 1951-66). Recording gage installed Aug. 10, 1970. May through August water levels affected by pumping.

Jan. 26, 1967	27.15	May 31, 1968	27.92	Apr. 22, 1969	25.47	Jan. 8, 1970	26.26
July 25	34.72	June 24	33.34	May 28	c32.22	Feb. 5	26.20
Aug. 28	33.72	July 25	30.97	July 1	c39.37	Mar. 5	25.98
Sept. 27	28.71	Aug. 28	30.39	29	c33.36	31	25.64
Dec. 26	27.65	Sept. 30	27.90	Sept. 3	28.25	Apr. 30	25.14
Jan. 26, 1968	27.67	Oct. 25	27.42	Oct. 8	26.86	June 3	25.47
Feb. 27	27.50	Nov. 25	27.14	31	26.57	July 2	c32.19
Mar. 25	27.39	Feb. 4, 1969	26.88	Dec. 3	26.38	Aug. 4	c34.12
Apr. 29	27.06	Mar. 24	26.73				

c Nearby well being pumped.

Water level at noon, from recorder graph, 1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	....	....	....	....	....	....	27.22	26.75	26.49	26.34
10	....	....	....	....	....	....	....	29.11	27.16	....	26.40	26.31
15	....	....	....	....	....	....	....	28.53	27.08	26.70	26.42	26.24
20	....	....	....	....	....	....	....	27.04	26.96	26.62	26.35	26.28
25	....	....	....	....	....	....	....	26.68	26.92	26.54	26.30	26.24
Eom	....	....	....	....	....	....	....	26.45	26.85	26.52	26.30	26.22

1971

5	26.26	25.98	25.07	25.90	25.71	27.05	26.38	34.05	28.30	27.60	27.06	26.80
10	26.22	25.98	26.04	25.83	25.74	26.62	27.24	....	28.73	27.50	27.06	h26.72
15	26.27	25.98	25.96	25.79	25.97	26.50	28.80	....	28.35	27.43	27.00	....
20	26.18	25.98	25.94	25.79	26.80	26.42	28.57	32.15	28.07	27.33	26.90	....
25	26.17	25.90	25.90	25.78	31.40	27.80	....	34.40	27.87	27.25	26.90	....
Eom	26.21	25.95	25.80	25.72	31.00	27.86	....	29.50	27.70	27.12	26.85	....

h Tape measurement.

445306N0983044.1. Local number 116-64-3db. Formerly 116-64-3db1. L. J. Hillested. Redfield. 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 8.39 below lsd, May 20, 1969; lowest 15.57 below lsd, Oct. 10, 1961. Records available: 1946-70. Well destroyed; measurement discontinued.

445306N0983044.1.--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1967	12.72	Oct. 3, 1967	11.37	June 24, 1968	11.15	July 24, 1969	8.65
26	13.05	23	12.57	July 16	11.05	Aug. 19	9.84
Mar. 8	13.29	Nov. 13	12.69	Aug. 6	10.26	Sept. 16	10.60
20	13.37	Dec. 12	13.03	Sept. 4	11.25	Oct. 15	11.20
Apr. 18	12.89	Jan. 8, 1968	13.25	Oct. 1	11.82	Nov. 12	11.61
May 9	12.53	Feb. 5	13.39	30	11.98	Dec. 9	11.83
June 2	12.37	Mar. 8	13.61	Nov. 20	12.14	Jan. 8, 1970	12.08
20	8.86	Apr. 18	13.65	Jan. 14, 1969	12.69	Feb. 8	12.23
July 10	9.59	May 1	13.73	Feb. 12	12.55	Mar. 18	11.81
Aug. 1	10.44	23	10.30	Mar. 12	12.90	Apr. 7	11.62
22	11.20	May 14	11.00	May 20	8.39	May 11	9.60
Sept. 11	11.85	June 3	10.92	June 19	9.14		

Union County

430405N0964632.1. Local number 95-50-8abbd. Formerly 95-50-8abl. J. J. Dolan. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in, depth 42 ft, cased to 42. Lsd about 1,515 ft above msl. MP top of casing, 2,50 ft above lsd. Highest water level 0.51 below lsd, Jan. 11, 1947; lowest 14.77 below lsd, May 2, 1957. Records available: 1936-44, 1946-71.

Jan. 23, 1967	5.02	Feb. 16, 1968	9.47	Sept. 16, 1969	4.85	Sept. 22, 1970	7.04
Feb. 23	6.04	May 14	6.54	Nov. 6	4.33	Nov. 25	4.08
Mar. 21	5.63	June 19	7.62	25	4.73	Dec. 22	5.71
Apr. 25	4.88	July 9	6.64	Dec. 15	5.05	Jan. 20, 1971	5.30
May 25	5.48	Aug. 8	6.33	Jan. 14, 1970	5.72	Feb. 23	4.99
June 28	3.57	Oct. 10	4.80	Feb. 13	5.60	Mar. 25	5.22
July 26	4.79	Nov. 7	2.69	Mar. 16	5.86	May 19	3.39
Aug. 22	6.26	Dec. 11	3.46	Apr. 16	2.68	Aug. 20	5.70
Sept. 20	6.74	Jan. 21, 1969	4.97	May 19	2.69	Sept. 22	6.74
Oct. 24	7.06	Apr. 1	4.12	June 23	3.08	Oct. 19	7.99
Nov. 28	7.57	June 23	3.21	July 20	5.72	Nov. 19	7.52
Jan. 10, 1968	8.01	July 22	1.84	Aug. 20	7.38	Dec. 15	6.70

Yankton County

425240N0972520.1. Local number 93-56-14aa. Formerly 93-56-14aal. John Kayser. Formerly Mrs. J. N. Kayser. Yankton. Drilled domestic artesian well in Niobrara Formation of Late Cretaceous age, diam unknown, depth 80 ft, casing information not available. Lsd about 1,200 ft above msl. MP top of cover, 4.50 ft above lsd (since 1964). Highest water level 36.40 below lsd, June 16, 1961; lowest 47.72 below lsd, Aug. 19, 1971. Records available: 1946-71.

Jan. 26, 1967	44.20	Feb. 19, 1968	44.34	Dec. 30, 1969	43.17	Feb. 16, 1971	47.50
Feb. 28	43.09	June 19	43.09	Feb. 2, 1970	42.48	Mar. 9	46.72
Mar. 21	43.91	July 22	44.08	Mar. 17	44.10	Apr. 19	44.11
Apr. 21	44.25	Aug. 30	44.54	May 28	44.82	May 3	43.99
May 25	43.92	Feb. 26, 1969	42.99	June 24	43.02	June 15	40.11
June 30	40.99	Apr. 18	36.76	July 20	45.37	July 8	43.30
July 28	42.98	June 6	41.66	Aug. 17	44.67	Aug. 19	47.72
Aug. 22	43.00	July 8	42.58	Sept. 30	43.60	Sept. 1	45.34
Sept. 21	43.27	Aug. 14	44.57	Nov. 2	44.50	Oct. 13	44.19
Oct. 25	43.63	Sept. 23	42.52	25	43.70	Nov. 12	46.70
Dec. 1	43.87	Oct. 24	42.26	Dec. 28	43.85	Dec. 8	44.22
Jan. 5, 1968	44.54	Nov. 25	42.82	Jan. 19, 1971	44.15		

b Well pumped recently.

References

- Hedges, L. S., and Koch, N. C., 1970, Geology and water resources of Campbell County, South Dakota, Part III: Basic data: South Dakota Geol. Survey Bull. 20, p. 7, 20, 81.
- Hopkins, W. B., and Petri, L. R., 1962, Data on wells and test holes and chemical analyses of ground water in the Lake Dakota plain area, Brown, Marshall, and Spink Counties, South Dakota: South Dakota State Geol. Survey and South Dakota State Water Resources Comm., Water Resources Rept. 1, 267 p.
- 1963, Geology and ground-water resources of the Lake Dakota plain area: U.S. Geol. Survey Water-Supply Paper 1539-T, p. 34.
- Jorgensen, D. G., 1971, Geology and water resources of Bon Homme County, South Dakota: Part II, Water resources: South Dakota Geol. Survey Bull. 21, p. 23.
- Koopman, P. C., 1957, Ground water in the Crow Creek-Sand Lake area, Brown and Marshall Counties, South Dakota: U.S. Geol. Survey Water-Supply Paper 1425, p. 101, 121.

Note.--Measurements were discontinued in 1966 for the following wells:

- Brown County - 454126N0981645.1 - Local number 126-62-34abbl.
- Pennington County - 440226N1031126.1 - Local number A-1-8-17dddl.
- Pennington County - 440551N1022742.1 - Local number A-2-14-29dccl.
- Spink County - 451432N0982820.1 - Local number 120-63-6bbbl.

# WISCONSIN

The observation-well program was continued during 1967 through 1971 in cooperation with the Wisconsin Geological and Natural History Survey. Figure 9 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. 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. 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: 1952-70. Well destroyed; measurement discontinued. Replaced by well Ad-17/6/8-76.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1967	16.09	Dec. 26, 1967	15.99	Nov. 25, 1968	14.95	Oct. 27, 1969	14.56
Feb. 27	16.43	Jan. 29, 1968	16.21	Dec. 31	15.26	Nov. 24	14.82
Mar. 27	16.74	Feb. 26	16.39	Jan. 27, 1969	15.54	Dec. 29	15.22
Apr. 3	16.71	Mar. 25	16.62	Feb. 24	15.75	Jan. 26, 1970	15.56
May 1	16.34	Apr. 15	16.70	Mar. 24	15.90	Feb. 23	15.93
June 6	15.98	May 13	16.58	Apr. 7	15.74	Mar. 30	16.20
July 3	15.60	June 3	16.27	May 5	15.06	Apr. 20	15.25
Aug. 28	15.50	July 1	15.98	June 2	14.53	May 4	16.21
Sept. 25	15.61	Aug. 5	15.36	July 7	14.07	June 1	15.99
Oct. 30	15.76	Sept. 9	15.25	Aug. 25	14.07	July 6	15.28
Nov. 27	15.85	Oct. 7	14.96	Sept. 29	14.44	Aug. 10	15.25

435759N0894900.1. Local number Ad-17/6/8-76. Wisconsin Conservation Dept. Driven observation water-table well in sand of Pleistocene age, diam 1 1/2 in, depth 21 ft, cased to 19, well point 19-21. Lsd 955 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 11.92 below lsd, May 24, 1971; lowest 16.68 below lsd, Feb. 23, Mar. 2, 1970. Records available: 1969-71. Replaces well Ad-17/6/8-2. Water-level measurements reported in the following table are monthly lows.

Sept. 15, 1969	14.82	Apr. 22, 1970	16.22	Nov. 2, 1970	15.02	June 28, 1971	12.62
Oct. 13	14.94	May 25	15.86	Dec. 29	15.37	July 27	13.33
Nov. 24	15.32	June 1	14.32	Jan. 25, 1971	15.72	Aug. 31	14.14
Dec. 29	15.79	July 27	14.89	Feb. 22	16.30	Sept. 7	14.42
Jan. 26, 1970	16.37	Aug. 24	15.58	Mar. 1	15.98	Oct. 18	14.35
Feb. 23	16.68	Sept. 8	15.63	Apr. 5	14.14	Nov. 15	13.87
Mar. 2	16.68	Oct. 26	15.43	May 17	13.53	Dec. 6	13.80

### 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. Casing information and lsd not available. MP top of hole in pumpbase, at lsd. Highest water level 26.05 below lsd, Aug 1, 1967; lowest 32.35 below lsd, Apr. 1, 1964. Records available: 1957, 1959-71.

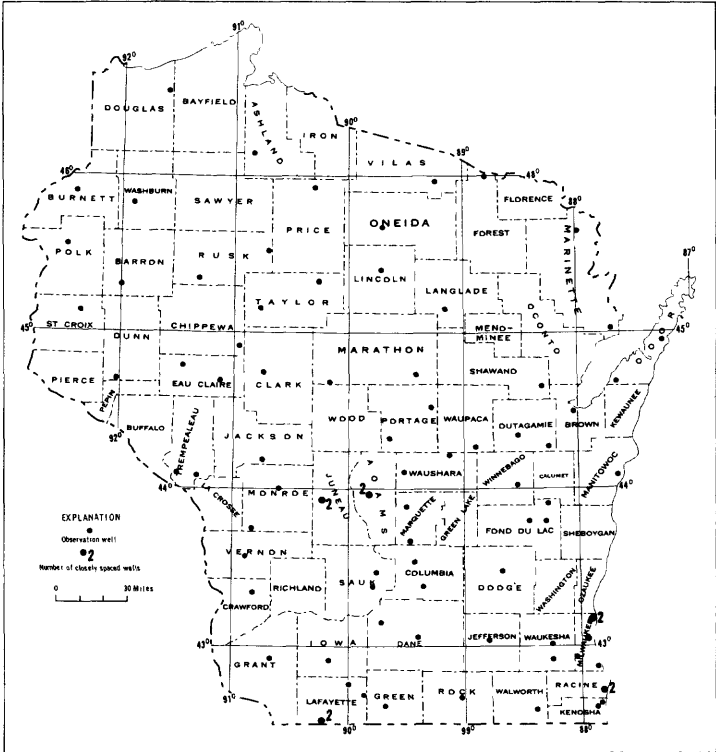


Figure 9.--Location of observation wells in Wisconsin, 1967-71.

460934N0905344.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1967	28.37	June 19, 1968	28.96	Aug. 9, 1969	27.6	Nov. 3, 1970	30.3
Feb. 1	28.42	July 9	28.10	Sept. 6	28.1	Dec. 1	30.5
Mar. 5	28.90	Aug. 4	28.7	Nov. 4	28.6	Jan. 1, 1971	30.8
Apr. 3	29.00	Sept. 3	28.6	Dec. 3	28.9	Feb. 5	30.3
May 1	28.38	Oct. 1	29.5	Jan. 2, 1970	28.9	Mar. 5	30.4
June 3	27.85	Nov. 7	28.6	Feb. 1	29.5	Apr. 1	30.5
July 3	26.90	Dec. 5	28.7	Mar. 5	29.8	May 4	29.7
Aug. 1	26.05	Jan. 2, 1969	28.8	Apr. 2	30.0	June 7	29.0
Sept. 4	26.50	Feb. 3	29.2	May 2	30.0	July 5	30.0
Oct. 1	27.10	Mar. 4	29.3	June 8	30.0	Aug. 8	29.8
Nov. 1	27.40	Apr. 2	29.2	July 2	30.2	Oct. 6	29.1
Feb. 3, 1968	28.50	May 2	28.6	Aug. 5	30.7	Nov. 3	29.1
Mar. 3	29.00	June 2	27.9	Sept. 1	30.1	Dec. 2	29.2
Apr. 1	29.30	July 5	28.2	Oct. 2	30.3		

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, casing information not available. Lsd about 1,115 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 29.54 below lsd, Nov. 18, 1971; lowest 35.45 below lsd, May 13, 1959. Records available: 1956-71.

Jan. 11, 1967	33.09	May 10, 1968	33.29	July 7, 1969	30.77	Sept. 1, 1970	30.86
Feb. 21	33.10	June 28	32.64	Aug. 6	30.66	Oct. 27	31.12
Mar. 4	32.83	July 18	31.93	Sept. 11	31.18	Nov. 3	31.02
June 9	32.58	Aug. 30	31.49	Oct. 8	31.15	Dec. 1	30.38
July 14	32.08	Sept. 26	31.58	Nov. 7	31.23	Jan. 4, 1971	30.10
Aug. 14	31.92	Oct. 25	31.02	Dec. 12	31.48	Feb. 26	30.27
Sept. 21	32.10	Dec. 6	30.93	Jan. 9, 1970	31.69	Mar. 17	30.81
Nov. 6	32.39	Jan. 9, 1969	31.17	Feb. 9	30.72	May 6	30.29
Dec. 15	32.64	Feb. 13	31.33	Mar. 6	31.89	June 14	30.38
Jan. 2, 1968	32.78	Mar. 7	31.26	Apr. 15	34.02	July 20	30.15
Feb. 9	32.98	Apr. 6	31.27	May 20	31.53	Aug. 25	30.09
Mar. 4	33.05	May 9	30.39	June 30	30.91	Oct. 11	29.93
Apr. 8	33.21	June 12	30.61	Aug. 4	30.81	Nov. 18	29.54

Brown County

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: 1950-71. Water levels affected by cessation of pumping from Green Bay municipal wells, August 1957, and by local pumping.

Jan. 10, 1967	67.86	Apr. 17, 1968	58.73	July 22, 1969	78.29	Nov. 17, 1970	67.36
Feb. 7	67.54	May 21	56.77	Aug. 28	87.49	Dec. 17	63.74
Mar. 8	61.46	June 18	56.98	Sept. 24	89.79	Jan. 27, 1971	53.52
Apr. 12	57.84	July 23	59.44	Oct. 28	84.35	Feb. 25	53.92
May 16	56.33	Aug. 21	61.04	Nov. 26	79.63	Mar. 24	54.26
June 13	56.02	Sept. 16	66.39	Dec. 17	77.13	Apr. 28	55.49
July 18	54.25	Oct. 23	74.98	Jan. 29, 1970	72.39	May 19	58.35
Aug. 16	59.39	Nov. 20	74.33	Mar. 24	72.16	June 25	63.29
Sept. 20	59.54	Dec. 18	74.17	Apr. 23	69.33	July 21	69.32
Oct. 18	59.78	Jan. 21, 1969	73.30	May 27	68.72	Aug. 26	69.02
Nov. 15	59.02	Feb. 25	74.44	June 24	69.79	Sept. 23	66.73
Dec. 20	55.83	Mar. 26	74.96	July 21	72.90	Oct. 20	63.43
Jan. 17, 1968	54.93	Apr. 23	74.67	Aug. 26	75.21	Nov. 17	61.96
Feb. 21	57.61	May 20	75.49	Sept. 22	76.36	Dec. 16	63.68
Mar. 26	61.64	June 19	75.80	Oct. 21	71.09		

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 46 (previously reported 44), perforated 44-46. Lsd 981 ft above msl. MP pointer on float gage, 4.87 ft above lsd. Highest water level 30.33 below lsd, June 28, 1958; lowest 35.10 below lsd, Mar. 26, 1965. Records available: 1937-71. Water-level measurements reported in the following table are monthly lows.

Jan. 6, 1967	34.14	Dec. 3, 1967	34.50	Nov. 8, 1968	33.98	Oct. 24, 1969	33.44
Feb. 24	34.16	Jan. 26, 1968	34.26	Dec. 27	33.74	Nov. 28	33.43
Mar. 17	34.33	Feb. 23	34.32	Jan. 3, 1969	33.84	Dec. 19	33.45
Apr. 28	34.23	Mar. 29	34.39	Feb. 28	33.85	Jan. 9, 1970	33.49
May 26	34.14	Apr. 19	34.43	Mar. 14	33.80	Feb. 6	33.44
June 2	34.23	May 17	34.33	Apr. 4	33.67	Mar. 27	33.62
July 28	34.11	June 21	34.09	May 23	33.57	Apr. 17	33.66
Aug. 25	34.15	July 12	34.16	June 6	33.52	May 29	33.62
Sept. 1	34.15	Aug. 30	34.12	July 18	33.45	June 12	33.60
Oct. 27	34.12	Sept. 6	34.12	Aug. 15	33.44	July 24	33.68
Nov. 24	34.16	Oct. 4	34.02	Sept. 19	33.44	Aug. 28	33.75

455224N0922156.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 18, 1970	33.76	Jan. 15, 1971	33.82	May 14, 1971	33.91	Oct. 22, 1971	33.84
Oct. 23	33.78	Feb. 19	33.86	June 25	33.81	Nov. 5	33.77
Nov. 27	33.61	Mar. 26	33.96	Aug. 27	33.82	Dec. 10	33.77
Dec. 25	33.78	Apr. 30	33.88	Sept. 10	33.82		

Chippewa County

445549N0905633.1. Local number Ch-28/5W/1-38. Chester Meeker. Drilled domestic water-table well in sandstone of Cambrian age, diam 4 in, reported depth 42 ft, casing information not available. Lsd about 1,100 ft above msl. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 15.98 below lsd, Apr. 15, 1969; lowest 19.25 below lsd, Mar. 17, 1965. Records available: 1956-71.

Feb. 23, 1967	18.77	May 22, 1968	18.58	July 8, 1969	16.16	June 30, 1970	16.92
May 2	18.15	June 25	17.37	Aug. 7	16.39	July 31	17.18
June 7	17.94	July 25	17.93	Sept. 8	16.61	Sept. 16	17.47
July 14	17.68	Sept. 24	17.91	Oct. 9	16.75	Oct. 27	17.28
Aug. 14	18.02	Oct. 22	16.84	Nov. 5	16.88	Dec. 8	16.76
Sept. 20	17.74	Dec. 3	16.93	Dec. 9	17.18	Jan. 8, 1971	16.95
Oct. 27	18.12	Jan. 7, 1969	17.01	Jan. 6, 1970	17.24	Feb. 12	17.41
Dec. 5	18.14	Feb. 11	17.40	Feb. 9	17.34	May 5	16.14
Jan. 4, 1968	18.48	Mar. 11	17.09	Mar. 9	17.38	June 16	17.01
Feb. 6	18.13	Apr. 15	15.98	Apr. 17	17.31	July 22	16.33
Mar. 6	17.96	May 6	15.99	May 21	17.20	Aug. 30	16.71
Apr. 16	17.73	June 10	16.24				

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 60.01 below lsd, Aug. 26, 1971; lowest 70.64 below lsd, Sept. 17, 1965. Records available: 1953-71.

Jan. 13, 1967	68.20	Mar. 29, 1968	67.57	Apr. 4, 1969	63.30	Aug. 21, 1970	61.20
Feb. 24	69.70	May 8	67.37	May 7	62.55	Sept. 17	61.48
May 1	67.17	June 11	67.62	June 9	62.66	Dec. 7	61.13
June 6	66.92	July 17	65.96	July 18	61.16	Dec. 31	62.88
July 26	66.46	Aug. 20	66.26	Aug. 18	60.92	Mar. 16, 1971	61.34
Aug. 31	67.65	Sept. 26	65.26	Sept. 23	61.09	June 4	60.08
Oct. 6	66.59	Nov. 8	64.92	Feb. 11, 1970	62.17	Aug. 26	60.01
Dec. 1	66.60	Dec. 18	64.52	Mar. 17	62.40	Oct. 14	60.68
Jan. 11, 1968	67.63	Jan. 24, 1969	64.39	Apr. 22	61.58	Nov. 11	63.24
Feb. 18	67.21	Feb. 24	64.54	July 14	60.80		

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, casing information not available. Lsd 940 ft above msl. MP rim of casing, at lsd. Highest water level 48.86 below lsd, Apr. 6, 1970; lowest 59.82 below lsd, Aug. 20, 1965. Records available: 1949-71.

Jan. 24, 1967	55.96	Mar. 6, 1968	56.27	Apr. 1, 1969	56.60	Apr. 20, 1970	55.23
Feb. 23	56.37	Apr. 4	56.75	May 5	56.65	May 26	56.07
Apr. 10	59.72	May 8	58.93	June 2	56.39	June 25	51.98
May 10	55.98	June 25	58.84	July 11	55.92	July 7	54.91
June 30	55.86	July 23	56.28	Aug. 18	54.77	Aug. 5	54.99
Aug. 8	55.63	Aug. 20	56.13	Sept. 23	54.24	Sept. 15	55.08
Oct. 31	55.77	Sept. 25	56.05	Oct. 22	54.32	Nov. 18	55.33
Nov. 13	56.12	Oct. 28	56.50	Jan. 5, 1970	54.35	Dec. 29	55.17
Dec. 27	55.93	Dec. 16	56.39	Feb. 12	54.35	Feb. 26, 1971	55.27
Jan. 25, 1968	56.41	Jan. 21, 1969	56.53	Mar. 16	55.67	Apr. 19	55.18
		Feb. 24	56.72	Apr. 6	48.86		

433303N0892705.1. Local number Co-12/9/5-28. Flanders. Drilled unused water-table well in sandstone of Cambrian age, diam 5 in, depth 71 ft, casing information not available. 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, 1957-70. Measurement discontinued. Replaced by well Mq-14/9/30-26.

Jan. 24, 1967	1.97	Feb. 13, 1968	2.29	Feb. 18, 1969	1.62	Nov. 21, 1969	2.03
Feb. 28	2.21	Apr. 6	1.62	Mar. 31	.73	Jan. 5, 1970	2.22
Apr. 10	1.00	May 11	1.44	Apr. 30	.81	Feb. 12	2.35
May 5	1.85	June 14	1.71	May 21	.90	Mar. 16	1.95
June 19	1.10	July 20	1.16	June 4	1.08	Apr. 20	1.35
July 24	2.20	Aug. 26	1.99	July 11	1.90	May 26	1.90
Aug. 28	2.76	Oct. 7	1.88	Aug. 11	1.34	July 7	2.42
Oct. 4	2.71	Oct. 28	1.82	Oct. 1	2.22	Aug. 5	2.94
Nov. 29	1.69	Dec. 5	1.76	Oct. 21	1.62	Sept. 15	2.36
Jan. 8, 1968	2.07	Jan. 8, 1969	1.88				



Crawford County

431942N0905014.1. Local number Cr-10/4W/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 47.54 below lsd, Apr. 1, 1969; lowest 51.42 below lsd, Nov. 19, 1958. Records available: 1957-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1967	50.54	July 2, 1968	50.09	Aug. 12, 1969	51.06	Dec. 14, 1970	49.98
Feb. 21	50.51	Aug. 13	49.79	Oct. 2	48.97	Jan. 21, 1971	50.00
Apr. 12	50.02	Sept. 26	49.36	Nov. 5	48.87	Feb. 27	49.75
June 12	50.01	Oct. 30	49.18	Dec. 15	49.42	Mar. 27	49.55
Aug. 29	50.54	Dec. 10	49.24	Jan. 20, 1970	49.26	Apr. 28	49.36
Nov. 13	50.23	Jan. 8, 1969	49.73	Feb. 12	49.36	May 28	49.18
Jan. 15, 1968	51.11	Feb. 17	49.99	Mar. 17	49.20	June 30	49.11
Feb. 9	50.98	Apr. 1	47.54	Apr. 20	49.73	July 30	49.13
Mar. 25	51.40	29	49.21	June 4	49.08	Aug. 27	49.22
Apr. 30	50.56	June 2	49.33	July 20	49.85	Oct. 2	49.30
May 24	50.53	July 11	49.01	Aug. 24	50.00	Nov. 29	49.36

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, 1956-71. Water levels affected primarily by pumping of nearby municipal wells.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1967	88.14	Apr. 25, 1968	88.43	Aug. 25, 1969	95.59	Nov. 20, 1970	91.88
Feb. 6	88.66	May 29	91.22	Sept. 26	96.93	Dec. 22	93.30
Mar. 6	88.78	July 2	92.19	Oct. 24	93.36	Jan. 29, 1971	94.52
Apr. 4	88.69	Aug. 5	94.51	Dec. 22	91.75	Feb. 26	96.29
May 10	88.48	Sept. 11	93.26	Jan. 21, 1970	94.14	Mar. 24	94.17
June 8	88.85	Oct. 21	90.66	Feb. 19	93.76	Apr. 29	98.37
July 12	88.84	Nov. 11	91.01	Mar. 9	93.38	May 25	100.54
Aug. 4	89.70	Dec. 9	90.35	Apr. 14	93.82	June 25	104.83
Sept. 14	89.57	Jan. 31, 1969	91.02	May 19	98.17	July 28	102.66
Oct. 2	88.53	Feb. 19	91.45	June 22	97.97	Aug. 27	102.48
Nov. 6	87.43	Mar. 17	91.35	July 27	101.44	Sept. 24	102.18
Dec. 18	87.32	Apr. 29	93.32	Aug. 10	102.36	Oct. 22	100.71
Jan. 10, 1968	87.51	May 22	92.93	Sept. 21	94.47	Nov. 19	100.20
Feb. 26	93.72	June 24	92.48	Oct. 23	96.28	Dec. 20	99.26
Mar. 25	93.93	July 28	95.30				

430818N0899445.1. Local number Dn-8/5/26-11. 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, 1956-71.

## Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.32	12.86	13.21	12.45	13.02	13.14	12.71	12.64	.....	13.34	11.72	12.99
10	13.37	12.99	12.98	12.70	13.09	13.04	12.89	12.84	.....	12.95	12.19	12.60
15	13.36	12.98	12.72	12.84	12.53	12.65	13.01	12.99	.....	13.05	12.49	12.79
20	13.27	13.11	12.93	12.53	12.85	12.75	13.11	13.05	.....	13.10	12.68	12.90
25	12.39	13.17	12.08	12.80	13.01	12.73	13.10	13.12	.....	12.76	12.81	12.85
Eom	12.58	13.21	12.24	12.90	13.04	12.45	12.80	13.21	13.24	12.16	12.91	12.98

## 1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.02	13.00	13.30	13.01	12.83	13.27	12.28	12.85	13.05	12.39	12.91	12.80
10	13.00	13.08	13.29	13.10	13.00	13.31	12.55	12.47	10.95	12.56	12.86	12.85
15	13.07	13.13	13.30	13.08	13.09	13.32	12.75	12.78	11.77	12.68	12.76	12.87
20	13.11	13.17	13.16	12.99	13.15	13.11	12.88	12.89	11.18	12.75	12.59	12.74
25	13.13	13.22	13.23	12.31	13.20	12.80	12.51	12.98	11.75	12.76	12.72	12.84
Eom	13.06	13.26	13.20	12.60	13.20	11.84	12.84	13.10	12.15	12.85	12.77	12.97

## 1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.93	12.66	12.24	.....	12.55	12.75	11.57	12.65	13.05	13.20	13.04	13.24
10	12.90	12.81	12.50	.....	12.55	12.75	11.97	12.69	13.09	13.20	13.12	13.19
15	12.87	12.92	12.69	.....	12.55	12.23	.....	12.79	13.15	13.00	13.17	13.21
20	12.86	12.95	12.46	11.88	12.73	12.50	.....	12.88	13.16	12.98	13.16	13.21
25	12.09	12.78	12.03	12.85	12.58	12.90	12.49	12.95	13.22	13.06	13.20	13.19
Eom	12.44	12.40	12.30	12.37	12.80	11.00	12.49	13.05	13.16	13.12	13.22	13.23

## 1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.20	13.11	12.56	13.16	13.13	12.84	13.20	13.43	13.65	12.78	12.59	13.21
10	13.13	13.21	12.82	13.17	13.24	12.96	13.25	13.50	13.39	12.98	12.79	13.26
15	13.08	13.26	12.99	12.72	12.35	13.00	13.29	13.58	13.08	13.10	12.94	13.28
20	13.12	13.27	13.06	12.78	12.63	13.05	13.21	13.61	12.86	13.17	13.04	13.30
25	13.04	12.88	13.06	12.85	12.58	13.14	13.33	13.66	12.13	13.22	13.05	13.29
Eom	13.15	13.03	13.13	13.04	12.90	13.16	13.35	13.71	12.46	12.41	13.15	13.30

## 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.31	13.10	12.00	11.95	12.57	13.05	13.19	.....	13.36	13.25	12.69	13.15
10	13.23	13.04	12.33	12.24	12.70	13.10	13.15	.....	13.39	13.22	12.91	12.81
15	13.28	13.05	11.39	12.00	12.80	13.20	13.19	.....	13.41	13.26	13.05	12.74
20	13.24	12.45	11.39	12.20	12.91	13.24	13.04	.....	13.32	13.18	12.97	12.50
25	13.25	12.13	.....	12.35	12.97	13.01	.....	.....	13.36	13.17	13.08	12.77
Eom	13.22	11.62	11.40	12.45	13.05	13.13	.....	13.26	13.29	13.22	13.11	12.96

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 edge of manhole, 2.00 ft above lsd (since Nov. 13, 1967). Highest water level 112.53 below lsd, May 9, 1960; lowest 122.57 below lsd, Sept. 18, 1953. Records available: 1947-71. Water levels affected primarily by pumping of nearby municipal wells.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	115.97	116.09	116.13	115.62	115.36	115.94	116.10	117.81	117.38	117.83	.....	116.22
10	116.16	116.00	115.97	.....	115.50	115.72	.....	117.24	117.91	117.51	.....	115.97
15	116.14	116.00	115.67	115.68	115.03	116.21	116.64	117.31	117.81	117.78	116.31	116.07
20	116.31	116.19	115.84	115.37	115.37	115.59	117.62	116.92	118.02	118.15	116.24	116.10
25	115.81	116.32	115.73	115.33	115.28	115.42	116.92	117.64	117.86	117.59	116.31	115.64
Eom	115.60	116.11	115.51	115.38	115.51	115.58	117.85	117.15	117.93	116.97	116.30	115.88

1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	116.10	116.08	116.90	116.60	116.00	116.84	116.75	118.76	118.72	.....	117.48	117.12
10	116.26	116.12	116.85	116.70	116.47	116.89	116.95	119.51	.....	.....	117.25	117.14
15	116.20	116.17	116.98	116.58	116.31	116.70	117.65	119.38	.....	.....	117.27	117.24
20	116.21	116.33	116.85	116.31	116.23	116.81	118.51	118.33	118.37	.....	117.19	116.95
25	116.68	116.48	117.78	115.80	116.56	116.23	118.66	118.57	.....	117.51	117.15	116.89
Eom	116.25	116.66	116.89	116.03	116.51	116.11	118.92	118.86	.....	117.35	117.10	116.87

1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	116.81	116.77	116.25	115.88	116.35	116.10	115.89	117.69	118.95	118.45	118.28	117.51
10	117.10	.....	.....	115.86	116.21	116.43	116.53	117.64	119.11	118.18	117.79	117.41
15	117.26	116.79	.....	115.90	116.51	116.21	117.45	118.61	119.13	118.34	117.99	117.58
20	116.81	117.23	116.08	115.62	116.25	116.35	117.47	118.13	119.54	118.26	117.76	117.76
25	116.50	116.58	116.02	116.09	116.41	116.60	117.31	118.41	119.09	118.49	117.59	117.29
Eom	.....	116.36	116.03	116.02	116.77	115.26	117.37	119.30	118.93	118.51	117.31	117.26

1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	117.18	117.63	117.11	116.82	117.22	116.64	118.56	119.87	120.63	118.53	117.57	117.18
10	117.39	117.57	117.06	116.92	117.17	117.27	119.08	119.70	120.47	118.78	117.45	117.20
15	117.41	117.61	117.14	116.86	116.53	117.13	119.23	120.64	120.19	119.20	117.43	117.16
20	117.53	117.75	117.02	116.54	117.01	117.38	119.37	120.21	119.83	118.97	117.22	117.30
25	117.50	117.40	116.88	117.05	116.61	118.82	119.55	121.08	119.49	118.75	117.31	117.12
Eom	117.84	117.71	116.93	116.99	116.76	118.60	119.74	120.62	118.61	117.79	117.43	117.17

1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	117.30	117.20	116.02	115.53	115.30	116.42	117.03	.....	119.66	119.53	118.80	118.35
10	117.13	117.39	116.05	115.87	115.51	116.14	117.55	.....	120.31	119.32	118.63	118.17
15	117.26	117.27	115.43	115.13	115.64	116.20	117.20	.....	120.38	119.80	118.57	117.96
20	117.18	116.32	115.63	115.12	115.85	.....	117.69	119.00	119.42	119.83	118.43	.....
25	117.03	116.22	115.62	.....	115.59	116.68	.....	118.74	119.23	119.53	118.49	117.73
Eom	117.18	115.89	115.22	115.25	115.74	117.13	.....	119.05	119.72	119.64	118.49	.....

Door County

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 40.21 below lsd, Mar. 27, 1969; lowest 60.63 below lsd, Nov. 6, 1957. Records available: 1950-71. Water levels affected by cessation of pumping from Green Bay municipal wells, August 1957, and by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1967	45.02	Feb. 21, 1968	41.97	Feb. 25, 1969	40.93	Mar. 26, 1970	42.40
Feb. 8	42.99	Mar. 25	41.60	Mar. 27	40.21	Apr. 23	42.03
Mar. 8	43.23	Apr. 16	41.54	Apr. 24	41.37	July 7	42.57
Apr. 12	43.11	May 20	41.27	May 19	41.56	Aug. 27	42.98
May 18	42.98	June 17	41.43	June 19	41.46	Sept. 24	43.09
June 14	42.81	July 23	41.52	July 24	41.28	Nov. 19	42.78
Aug. 17	43.22	Aug. 20	41.33	Aug. 28	42.26	Feb. 24, 1971	43.45
Sept. 20	43.71	Sept. 17	41.51	Sept. 25	42.39	May 19	42.95
Oct. 18	41.49	Oct. 22	40.56	Oct. 30	42.28	July 21	43.30
Nov. 15	41.63	Nov. 19	40.93	Nov. 25	42.21	Aug. 26	43.44
Dec. 19	45.94	Dec. 19	41.06	Dec. 16	42.33	Oct. 20	42.92
Jan. 16, 1968	41.73	Jan. 23, 1969	41.18	Jan. 30, 1970	42.68	Dec. 13	42.79

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, casing information not available. 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: 1946-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1967	45.14	Mar. 26, 1968	32.37	May 19, 1969	27.48	Oct. 15, 1970	46.26
Feb. 8	42.55	Apr. 16	12.69	June 19	26.31	Nov. 19	35.49
Mar. 8	46.17	May 20	32.92	July 24	44.23	Jan. 27, 1971	36.75
Apr. 12	26.84	June 17	47.24	Aug. 28	46.17	Feb. 24	29.12
May 18	29.31	July 23	45.13	Sept. 25	46.61	Mar. 24	27.98
June 14	29.49	Aug. 20	46.28	Oct. 30	37.79	Apr. 22	34.16
July 18	46.27	Sept. 17	46.87	Nov. 25	37.45	May 20	38.29
Aug. 17	48.87	Oct. 22	46.03	Dec. 16	37.93	June 29	46.23
Sept. 20	46.28	Nov. 19	27.22	Jan. 30, 1970	43.60	Aug. 26	46.31
Oct. 18	22.68	Dec. 19	29.16	Mar. 26	16.09	Sept. 23	46.59
Nov. 15	29.71	Jan. 23, 1969	29.79	Apr. 23	15.42	Oct. 11	39.19
Dec. 19	37.59	Feb. 25	29.61	July 7	45.96	Nov. 17	44.47
Jan. 16, 1968	46.15	Mar. 27	25.26	Aug. 27	46.21	Dec. 7	21.12
Feb. 21	44.16	Apr. 24	29.39	Sept. 24	41.09		

Douglas County

463217N0913428.1. Local number Ds-47/10W/23-1. Wisconsin Conservation Dept. Drilled observation artesian well in sand of Pleistocene age, diam 8 in, depth 40 ft, cased to 40 (previously reported 37), perforated 37-40. Lsd 980 ft above msl. MP pointer on float gage, 4.33 ft above lsd. Highest water level 15.90 below lsd, Oct. 9, 1970; lowest 29.59 below lsd, July 29, 1939. Records available: 1937-41, 1944-71. Water-level measurements reported in the following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1967	28.67	Apr. 5, 1968	28.35	July 18, 1969	28.30	Oct. 2, 1970	27.84
Feb. 24	28.77	May 31	24.90	Aug. 8	28.01	Nov. 27	25.25
Mar. 24	28.73	June 28	26.46	Sept. 12	27.46	Dec. 25	27.13
Apr. 7	25.09	July 26	28.38	Oct. 31	26.99	Jan. 29, 1971	28.06
May 19	26.29	Aug. 30	28.81	Nov. 14	27.55	Feb. 5	28.41
June 2	27.11	Sept. 13	28.07	Dec. 26	27.98	Mar. 5	28.05
July 21	29.16	Oct. 4	28.52	Jan. 16, 1970	28.37	Apr. 23	19.14
Aug. 25	28.52	Nov. 15	28.54	Feb. 20	28.39	May 14	24.25
Sept. 15	28.75	Dec. 6	28.22	Mar. 13	28.48	June 25	26.23
Oct. 6	28.56	Jan. 17, 1969	28.24	Apr. 3	22.63	July 30	27.92
Nov. 17	28.58	Feb. 7	28.61	May 29	21.03	Aug. 6	27.95
Dec. 29	28.55	Mar. 14	28.09	June 26	26.41	Sept. 24	26.27
Jan. 26, 1968	28.65	Apr. 25	27.70	July 31	28.09	Oct. 29	26.34
Feb. 23	27.72	May 30	28.31	Aug. 14	28.19	Nov. 26	27.24
Mar. 29	28.78	June 13	28.33	Sept. 25	27.72	Dec. 31	27.87

Dunn County

444141N0920042.1. Local number Du-26/13W/31-53. Eau Galle Cheese Co. 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 31.91 below lsd, July 18, 1967; lowest 37.33 below lsd, July 28, 1971. Records available: 1956-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1967	33.83	May 20, 1968	35.19	Aug. 13, 1969	33.72	Oct. 29, 1970	34.49
Apr. 11	32.92	June 26	34.01	Sept. 10	34.16	Dec. 7	34.71
May 15	32.21	Aug. 1	34.35	Oct. 7	34.04	Jan. 6, 1971	34.42
June 14	32.12	Sept. 29	32.92	Nov. 5	33.98	Feb. 11	34.17
July 18	31.91	Oct. 24	34.12	Dec. 11	34.51	Mar. 18	34.24
Aug. 15	34.13	Oct. 24	33.78	Feb. 10, 1970	35.67	May 12	33.45
Oct. 3	34.33	Dec. 4	34.09	Mar. 10	34.60	June 16	33.25
Nov. 9	32.76	Mar. 12, 1969	35.05	Apr. 15	34.23	July 28	37.33
Dec. 15	33.20	Apr. 17	33.56	May 26	34.09	Aug. 30	35.15
Jan. 19, 1968	32.91	May 6	32.77	Aug. 4	34.14	Oct. 13	34.58
Mar. 7	33.03	June 10	32.74	Sept. 16	34.26	Nov. 16	33.97
Apr. 17	35.11	July 8	32.88				

Eau Claire County

444106N0910832.1. Local number EC-26/6W/32-13. Eau Claire County. Driven unused water-table well in alluvium, diam 1 1/2 in, depth 26 ft, cased to 24, well point 24-26. Lsd 955 ft above msl. MP top of casing, 2.50 ft above lsd (since May 5, 1971). Highest water level 8.70 below lsd, May 8, 1967; lowest 14.98 below lsd, Nov. 29, 1951. Records available: 1951-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1967	13.35	Mar. 26, 1968	13.72	May 7, 1969	9.91	Apr. 23, 1970	13.21
May 8	8.70	Apr. 23	13.73	June 9	10.87	Nov. 11	12.86
June 12	10.33	June 6	12.94	July 18	9.65	Feb. 10, 1971	14.50
July 12	11.11	July 18	12.30	Aug. 19	10.30	May 5	10.62
Aug. 7	11.77	Aug. 26	12.40	Sept. 24	11.70	June 29	11.25
Sept. 11	12.46	Sept. 26	12.58	Dec. 3	12.97	July 22	11.75
Oct. 16	12.93	Nov. 8	12.59	Jan. 7, 1970	13.34	Aug. 30	12.02
Nov. 28	13.35	Dec. 18	12.88	Feb. 10	13.53	Oct. 12	12.76
Jan. 10, 1968	13.62	Feb. 24, 1969	13.20	Mar. 18	13.61	Nov. 17	12.85
Feb. 20	13.74	Apr. 3	12.27				

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 73.90 below lsd, Apr. 15, 1969; lowest 78.84 below lsd, Sept. 12, 1960. Records available: 1956-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1967	76.13	May 23, 1968	74.62	Aug. 7, 1969	74.57	Oct. 27, 1970	74.45
May 6	75.23	June 24	75.60	Sept. 9	75.43	Dec. 8	77.33
June 7	75.54	July 25	75.25	Oct. 14	74.93	Jan. 6, 1971	75.14
July 17	75.40	Aug. 27	75.71	Nov. 5	74.49	Feb. 10	74.52
Aug. 14	75.51	Sept. 25	75.87	Dec. 10	74.31	Mar. 18	74.72
Oct. 2	75.19	Oct. 22	74.97	Jan. 7, 1970	74.11	May 16	74.77
Nov. 9	75.07	Dec. 3	74.61	Mar. 9	74.11	June 16	75.32
Dec. 5	74.03	Mar. 11, 1969	74.27	Apr. 16	74.15	July 27	75.64
Jan. 17, 1968	74.49	Apr. 15	73.90	May 21	74.39	Aug. 20	75.72
Feb. 6	74.39	May 6	74.06	June 30	74.99	Oct. 12	75.04
Mar. 6	74.14	June 10	74.02	July 31	75.18	Nov. 17	74.46
Apr. 5	74.81	July 9	74.25	Sept. 16	75.73		

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 ms1. 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: 1953-71. Water levels affected primarily by pumping of nearby municipal wells.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	68.41	68.18	68.03	68.11	69.34	70.96	69.97	71.38	71.10	70.96	70.10	69.77
10	68.64	67.99	68.12	....	69.17	70.77	69.81	71.19	71.15	70.67	69.98	69.82
15	68.66	68.00	68.32	68.77	69.57	70.73	70.31	71.15	71.00	70.53	70.13	69.84
20	68.34	67.79	67.53	68.82	69.83	70.78	71.17	71.22	71.09	70.36	69.90	69.62
25	68.23	68.34	68.12	68.90	69.73	70.84	71.09	71.51	70.72	69.94	69.77	....
Eom	68.07	68.21	68.06	69.11	70.08	70.55	71.01	71.21	70.83	70.03	70.00	....
1968												
5	....	69.20	68.84	69.16	69.36	68.97	68.94	69.40	....	69.50	....	....
10	....	....	68.91	69.20	69.54	69.26	68.96	69.50	....	69.31	....	....
15	68.98	....	68.85	68.88	69.21	69.22	69.24	69.62	....	69.36	....	....
20	68.90	68.82	69.00	69.05	....	69.41	69.36	69.50	69.59	....	....	....
25	68.98	68.94	68.73	69.06	69.32	69.01	69.37	....	69.41	....	....	....
Eom	69.16	68.66	69.11	69.15	68.81	68.77	69.52	....	69.50	....	....	....
1969												
5	....	....	68.93	....	68.90	68.70	68.50	68.66	69.08	68.66	67.93	68.66
10	....	....	68.69	68.98	68.80	68.88	68.52	68.34	68.60	68.04	68.31	68.52
15	69.17	....	69.01	68.72	....	68.78	68.60	69.23	69.00	68.63	68.48	68.70
20	69.22	....	68.86	68.99	....	69.15	68.58	69.34	69.18	68.37	68.51	68.87
25	....	68.82	68.56	69.00	68.45	68.73	68.61	69.59	68.65	68.17	68.58	68.96
Eom	....	68.91	....	69.00	....	68.70	68.59	69.65	68.66	67.62	68.48	68.97
1970												
5	....	....	....	69.03	69.42	69.72	70.65	71.49	70.33	68.89	....	68.61
10	....	....	69.05	69.20	69.07	69.95	71.23	71.44	70.13	68.68	....	68.60
15	....	....	69.09	69.34	....	70.20	71.00	71.42	69.85	69.48	....	68.34
20	....	....	69.03	69.07	....	70.59	70.93	71.14	69.65	69.45	68.80	68.33
25	....	....	68.87	69.76	....	70.90	71.46	71.06	69.65	69.17	....	67.80
Eom	69.25	....	68.98	69.58	69.58	70.92	71.35	70.64	69.60	....	....	68.09
1971												
5	68.03	67.92	68.29	69.97	69.85	70.65	70.80	70.98	71.02	70.81	70.56	....
10	67.91	68.08	68.15	70.52	70.06	70.79	....	70.90	71.33	70.41	70.49	....
15	67.83	68.10	....	69.98	70.08	70.59	....	70.63	71.40	....	70.55	69.71
20	67.73	67.74	....	69.56	70.21	70.66	71.05	71.05	71.16	70.72	70.04	69.05
25	67.62	67.99	69.66	69.13	69.93	70.54	70.69	70.87	71.16	70.46	69.76	....
Eom	67.66	68.30	69.34	69.46	70.13	70.83	70.96	70.95	70.85	70.51	69.24	....

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 ms1. 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: 1956-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1967	6.31	Apr. 29, 1968	4.93	Aug. 14, 1969	6.03	Dec. 30, 1970	6.14
Mar. 21	5.86	June 5	5.49	Sept. 18	7.22	Feb. 9, 1971	6.14
Apr. 27	5.01	July 11	5.02	Oct. 22	6.47	Apr. 1	2.40
June 2	5.78	Aug. 22	6.18	Nov. 14	6.76	7	3.10
July 6	5.51	Sept. 18	6.18	Jan. 9, 1970	4.24	May 12	4.51
Aug. 8	5.33	Nov. 1	5.65	Feb. 11	7.43	June 15	5.64
Sept. 13	9.42	Dec. 18	6.94	Mar. 20	5.29	July 27	6.60
Oct. 11	9.85	Feb. 18, 1969	6.47	July 16	8.09	Aug. 26	7.94
Nov. 14	5.08	Mar. 27	4.39	Aug. 18	8.87	Oct. 8	9.74
Jan. 9, 1968	6.64	Apr. 28	4.04	Oct. 6	8.90	Nov. 10	9.14
Feb. 14	6.56	June 4	5.25	Nov. 19	6.08	Dec. 14	7.30
Mar. 20	6.58	July 8	4.14				

435513N08841616.1. 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 ms1. 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: 1948-67. No measurement made in 1968-71. Water levels affected by regional pumping.

Jan. 10, 1967	153.76	Apr. 27, 1967	153.91	July 6, 1967	155.67	Sept. 13, 1967	155.30
Feb. 14	153.52	June 2	154.18	Aug. 8	155.51	Nov. 14	155.18
Mar. 21	153.88						

Forest County

460156N0884749.1. Local number Fr-41/14/18-2. Wisconsin State Highway Commission. Wisconsin-Michigan Power Co. Brule River Profile well 5. Driven observation water-table well in sand and gravel of Pleistocene age, diam 14 in, depth 18 ft, cased to 15, well point 15-18. Lsd 1,551.69 ft above ms1. MP top of casing, 1.70 ft above lsd. Highest water level 7.96 below lsd, Apr. 29, 1954; lowest 11.89 below lsd, Aug. 13, 1968. Records available: 1948-71.

460156N0884749.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8, 1967	10.36	July 18, 1968	10.10	July 15, 1969	11.20	Aug. 10, 1970	11.53
Apr. 14	8.28	Aug. 13	11.89	Aug. 18	11.45	Oct. 19	11.66
May 17	10.40	Sept. 18	10.75	Sept. 15	11.54	Nov. 13	11.06
June 22	10.25	Oct. 17	10.94	Oct. 24	9.09	Dec. 17	10.54
Aug. 3	11.07	Nov. 12	11.16	Nov. 13	11.46	Jan. 19, 1971	10.97
Sept. 11	11.41	Dec. 16	10.86	Dec. 10	11.08	Mar. 22	9.96
Oct. 16	11.08	Jan. 21, 1969	10.30	Jan. 13, 1970	10.84	June 3	10.92
Nov. 27	11.18	Feb. 18	10.38	Feb. 9	10.80	July 28	11.30
Jan. 22, 1968	10.78	Mar. 10	10.46	Mar. 19	10.57	Sept. 7	11.59
Feb. 27	10.60	Apr. 13	9.40	Apr. 22	10.46	Oct. 5	11.42
Apr. 12	10.94	May 13	10.60	June 5	9.97	Nov. 1	11.27
May 22	11.18	June 17	11.01	July 6	10.00	Dec. 6	11.24
June 18	10.53						

Grant County

425551N0903913.1. Local number Gr-5/2W/6-5. Ralph Shackelford. 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. Lsd 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: 1946-71.

Jan. 18, 1967	15.63	May 1, 1968	15.14	June 2, 1969	12.80	Oct. 6, 1970	14.18
Feb. 23	15.90	7	15.16	July 14	12.16	Nov. 10	14.36
Apr. 12	15.69	24	14.99	Aug. 13	12.62	Dec. 15	14.78
May 4	16.61	June 19	14.82	Oct. 1	13.38	Jan. 20, 1971	14.98
June 12	16.47	Aug. 9	15.10	Nov. 11	14.84	Mar. 2	12.74
July 18	17.03	Sept. 25	14.67	Dec. 16	14.79	Apr. 20	11.48
Aug. 30	17.54	Oct. 29	15.22	Feb. 16, 1970	15.36	June 9	12.32
Sept. 20	17.50	Dec. 6	15.55	Mar. 18	15.10	July 20	13.48
Oct. 11	17.21	Jan. 16, 1969	15.22	Apr. 21	15.24	Aug. 31	14.29
Dec. 18	16.95	Feb. 25	15.15	June 5	14.47	Sept. 27	14.50
Jan. 16, 1968	17.45	Mar. 26	12.82	July 21	14.07	Nov. 9	14.65
Feb. 9	16.83	Apr. 30	12.68	Aug. 25	14.71	Dec. 16	12.84
Mar. 26	17.38						

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, casing information not available. Lsd 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: 1946-71.

Jan. 23, 1967	60.88	Mar. 27, 1968	61.10	June 4, 1969	60.00	Oct. 9, 1970	61.67
Mar. 8	61.24	Apr. 18	58.18	July 15	52.92	Nov. 12	61.55
May 17	60.79	May 23	59.58	Aug. 14	56.02	Dec. 18	61.27
June 14	61.05	July 3	60.12	Oct. 3	59.73	Jan. 25, 1971	61.28
July 25	62.24	Aug. 7	60.88	Dec. 9	61.89	Mar. 1	51.50
Sept. 1	62.38	Sept. 23	59.94	Jan. 8, 1970	62.28	Apr. 23	55.68
21	62.48	Oct. 23	59.74	Feb. 18	63.33	June 10	59.83
Oct. 19	62.93	Dec. 4	61.13	Mar. 12	61.11	July 23	61.52
Nov. 16	58.76	Jan. 13, 1969	60.71	Apr. 23	60.78	Aug. 26	62.39
Dec. 20	62.58	Feb. 25	59.05	June 9	59.60	Sept. 29	63.20
Jan. 17, 1968	60.12	Apr. 17	58.40	July 17	61.33	Nov. 11	63.92
Feb. 13	64.61	May 2	58.51	Aug. 28	62.10	Dec. 20	62.65

Iowa County

425644N0901019.1. Local number Iw-6/2/32-32. Archie Lee. Drilled unused artesian well in Galena Dolomite of Middle Ordovician age, diam 6 in, depth 92 ft, casing information not available. Lsd 1,200 ft above msl. MP 4-in hole in pumpbase, at lsd. Highest water level 39.40 below lsd, May 17, 1960; lowest 68.81 below lsd, Aug. 18, 1965. Records available: 1957-71.

Jan. 18, 1967	62.68	Apr. 16, 1968	63.17	June 2, 1969	56.75	Oct. 8, 1970	59.42
Feb. 23	63.74	May 8	62.18	July 14	54.88	Nov. 11	59.70
Mar. 23	61.93	23	61.60	Aug. 13	56.10	Dec. 17	60.46
June 14	62.10	June 25	64.38	Oct. 3	57.93	Jan. 26, 1971	61.23
July 20	62.72	Aug. 7	60.11	Nov. 14	58.82	Mar. 4	57.22
Aug. 31	62.46	Sept. 27	60.20	Dec. 11	59.74	Apr. 22	50.16
Sept. 22	65.35	Oct. 28	60.03	Jan. 8, 1970	60.59	June 4	56.05
Nov. 1	62.32	Dec. 10	61.52	Feb. 19	62.65	July 22	56.90
Dec. 20	65.01	Jan. 16, 1969	61.24	Mar. 13	59.95	Aug. 24	57.66
Jan. 17, 1968	66.28	Feb. 18	59.84	Apr. 24	60.20	Sept. 23	58.51
Feb. 12	62.33	Apr. 3	54.18	July 16	61.76	Nov. 10	59.64
Mar. 14	62.97	May 1	55.06	Aug. 26	62.30	Dec. 21	60.43

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". Lsd 845 ft above msl. MP hole in pumpbase, at lsd. Highest water level 16.78 below lsd, Sept. 27, 1968; lowest 22.60 below lsd, Dec. 19, 1958. Records available: 1953-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1967	21.06	Mar. 26, 1968	21.12	Aug. 18, 1969	18.40	Oct. 1, 1970	20.00
Mar. 8	21.12	Apr. 23	20.78	Sept. 23	19.02	Nov. 10	19.90
Apr. 10	19.95	June 6	19.40	Oct. 21	19.28	Jan. 6, 1971	19.79
May 15	19.37	July 18	17.91	Dec. 2	19.67	Feb. 12	20.10
June 16	19.00	Aug. 26	18.14	Jan. 8, 1970	20.05	Mar. 24	19.82
July 12	18.06	Sept. 27	16.78	Feb. 9	20.29	Apr. 29	18.52
Aug. 7	18.42	Nov. 8	17.45	Mar. 11	20.17	June 9	17.74
Sept. 11	19.10	Apr. 4, 1969	18.95	Apr. 16	20.09	July 19	18.52
Oct. 16	19.52	May 7	17.84	June 4	19.37	Aug. 23	19.06
Nov. 28	19.96	June 9	18.18	July 8	19.31	Oct. 5	18.73
Jan. 10, 1968	20.46	July 18	17.83	Aug. 19	20.15	Nov. 16	19.22
Feb. 20	20.84						

Jefferson County

430213N0884722.1. Local number Je-7/14/25-9. Ladish Malting Co. Drilled unused (previously reported industrial) artesian well in sandstone of Cambrian age, diam 8 in, reported depth 716 ft, cased to 326". Lsd 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: 1946-71. Fluctuation caused primarily by local pumping.

Jan. 5, 1967	33.97	May 29, 1968	26.06	Aug. 22, 1969	23.20	Nov. 13, 1970	33.10
Feb. 28	32.96	June 25	33.28	Sept. 19	24.08	Dec. 24	31.05
Apr. 6	31.83	July 30	23.01	Oct. 24	25.54	Jan. 22, 1971	24.57
28	31.58	Aug. 30	23.59	Nov. 14	24.91	Feb. 19	25.35
May 26	32.26	Sept. 27	26.25	Dec. 24	25.55	Mar. 26	24.04
June 30	34.62	Oct. 30	28.31	Jan. 23, 1970	24.36	Apr. 23	22.98
Aug. 31	32.69	Nov. 27	25.55	Mar. 19	25.14	May 14	24.21
Sept. 28	33.99	Dec. 27	26.36	Apr. 17	24.32	June	21.06
Oct. 27	22.98	Jan. 30, 1969	23.99	May 15	23.36	July 14	22.14
Nov. 29	27.18	Feb. 19	24.53	June 18	26.26	Aug. 13	23.67
Dec. 28	27.96	Mar. 20	22.32	July 15	27.06	Sept. 30	21.01
Jan. 31, 1968	29.05	Apr. 18	24.75	Aug. 12	26.14	Oct. 28	19.29
Feb. 28	27.60	May 29	25.56	Sept. 18	32.24	Nov. 24	19.63
Mar. 20	29.04	June 24	21.86	Oct. 16	29.91	Dec. 23	19.16
Apr. 26	26.51	July 29	18.55				

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, casing information not available. Lsd 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: 1949-67. Well destroyed; measurement discontinued. Replaced by well Ju-17/2/28-98.

Jan. 26, 1967	8.23	May 16, 1967	7.97	Aug. 11, 1967	5.61	Oct. 21, 1967	6.15
Mar. 3	9.62	June 16	6.16	Sept. 15	5.44	Dec. 5	6.80
Apr. 11	8.35	July 14	6.14				

435515N0901529.1. Local number Ju-17/2/28-98. State of Wisconsin. Drilled domestic water-table well in sandstone of Cambrian age, diam 6 in, depth 71 ft, cased to 42". Lsd 930 ft above msl. MP 4-in hole in pumpbase, 1.00 ft above lsd. Highest water level 11.32 below lsd, July 9, 1969; lowest 12.74 below lsd, Oct. 6, 1970. Records available: 1969-71. Replaces well Ju-17/2/21-8.

July 9, 1969	11.32	Jan. 9, 1970	12.62	Aug. 19, 1970	12.30	May 3, 1971	11.64
16	11.64	Feb. 9	12.72	Oct. 6	12.74	July 19	12.60
Aug. 21	12.26	Mar. 13	12.33	Nov. 11	12.20	Aug. 23	11.79
Sept. 25	12.56	Apr. 16	12.34	Jan. 7, 1971	12.50	Oct. 5	12.23
Oct. 22	12.07	June 4	12.57	Mar. 25	11.88	Nov. 17	12.00
Dec. 3	12.38	July 9	12.66				

Kenosha County

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 airline gage, 0.80 ft above lsd (since Oct. 30, 1969). Highest water level 21.10 below lsd, Dec. 3, 1947; lowest 101.0 below lsd, Oct. 30, 1969. Records available: 1946-70. No measurement made in 1971. Water levels affected by regional pumping. Measurements obtained by airline since Oct. 30, 1969.

Jan. 7, 1967	85.48	Sept. 1, 1967	92.56	May 16, 1968	93.05	Jan. 29, 1969	99.17
Feb. 15	84.55	Oct. 4	93.07	July 18	93.06	Feb. 27	100.34
Mar. 17	90.92	Nov. 7	92.00	Aug. 21	96.06	July 10	94.62
Apr. 14	89.61	Dec. 19	90.87	Sept. 30	96.46	Oct. 30	101.0
May 17	89.45	Mar. 12, 1968	91.66	Nov. 1	96.79	Dec. 10	99.0
June 27	90.31	Apr. 9	93.80	Dec. 17	97.97	Jan. 7, 1970	99.0
Aug. 4	90.83						

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, casing information not available. 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 97.35 below lsd, Aug. 4, 1970. Records available: 1946-71. Water levels affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1967	84.62	Mar. 12, 1968	86.22	May 8, 1969	86.37	Aug. 4, 1970	97.35
Feb. 15	81.14	Apr. 9	91.46	June 4	85.73	Sept. 17	91.57
Mar. 17	85.70	May 16	88.80	July 10	85.26	Nov. 10	88.89
Apr. 13	85.19	June 19	89.45	Aug. 21	85.81	Jan. 27, 1971	84.47
May 17	84.63	July 18	88.97	Sept. 20	88.34	Mar. 11	83.98
June 28	85.54	Aug. 21	88.42	Oct. 30	87.13	Apr. 22	83.71
Aug. 4	87.00	Sept. 30	88.50	Dec. 10	86.00	June 2	85.32
Sept. 6	88.79	Nov. 1	88.10	Jan. 7, 1970	86.10	July 9	90.73
Oct. 4	90.17	Dec. 17	87.17	Feb. 18	91.08	Sept. 30	93.30
Nov. 7	89.37	Jan. 24, 1969	85.46	Apr. 2	86.49	Nov. 19	89.70
Dec. 19	86.75	Feb. 26	85.47	May 7	85.97	Dec. 29	88.77
Jan. 24, 1968	86.45	Mar. 26	85.30	July 8	87.88		

## Lafayette County

423114N0901611.1. Local number Lf-1/2/33-57. Coulthard Estate. Shullsburg. Drilled unused artesian well in Galena Dolomite and Platteville Formation of Middle Ordovician age, diam 10 in, reported depth 265 ft, cased to 15. 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: 1952-71. Recording gage installed Oct. 9, 1969. Water levels affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1967	114.01	Oct. 18, 1967	113.70	June 26, 1968	117.42	Apr. 30, 1969	114.90
Feb. 24	114.00	Nov. 1	113.58	Aug. 7	115.24	June 3	114.56
Mar. 23	113.55	Dec. 19	114.09	Sept. 24	115.30	July 14	113.78
May 5	113.45	Jan. 17, 1968	120.40	Oct. 24	115.47	Aug. 14	113.24
June 13	113.30	Feb. 10	113.07	Dec. 5	115.37	Oct. 2	113.82
July 19	113.55	Mar. 14	114.32	Jan. 14, 1969	115.69	9	112.35
Aug. 31	113.76	Apr. 17	114.49	Feb. 25	115.60	Nov. 8	112.18
Sept. 20	113.18	May 22	114.86	Apr. 3	115.03	Dec. 9	112.16

## Lowest water level for the day, from recorder graph, 1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	112.44	.....	112.19
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	112.47
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	112.30
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	112.14
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	112.13

## 1970

5	.....	112.25	111.99	111.84	111.99	111.63	111.65	111.49	111.45	111.16	111.06	111.40
10	112.18	111.90	111.95	111.84	111.66	111.48	111.55	111.46	111.60	111.49	111.22	111.29
15	111.95	112.13	112.00	111.86	111.74	111.53	111.53	111.49	111.56	111.57	111.30	111.06
20	112.30	112.35	111.70	111.51	111.83	111.60	111.69	111.60	111.25	111.24	111.24	111.32
25	111.92	112.13	111.69	111.70	111.53	111.61	111.53	111.44	111.49	111.07	110.91	111.01
Eom	112.02	112.17	111.95	111.71	111.60	111.63	111.40	111.70	111.33	111.27	111.16	110.94

## 1971

5	111.35	110.91	110.52	110.79	.....	109.70	109.41	109.50	109.19	109.25	109.43	109.43
10	111.00	110.82	110.54	.....	.....	109.68	109.50	109.25	109.19	109.22	109.35	109.52
15	111.41	110.85	110.71	.....	109.85	109.60	109.35	109.47	109.38	109.38	109.55	109.51
20	111.09	110.95	110.68	.....	110.06	109.58	109.45	109.19	109.40	109.46	109.33	109.47
25	110.80	110.68	110.71	.....	109.90	109.49	109.27	109.25	109.32	109.28	109.49	109.64
Eom	110.96	111.00	110.13	.....	109.74	109.51	109.36	109.32	109.25	109.48	109.79	109.60

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: 1953-71. Recording gage removed Oct. 9, 1969.

## Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	72.54	73.56	73.68	73.57	73.69	72.86	72.03	71.80	72.75	72.71	72.47	71.16
10	72.99	73.29	73.55	73.94	73.34	72.52	71.58	71.98	72.72	72.77	71.61	70.97
15	72.92	73.63	74.40	73.51	73.21	72.44	71.68	71.91	72.48	72.68	71.72	71.35
20	72.92	73.73	73.87	73.71	73.35	72.22	71.86	71.84	72.30	72.77	72.24	70.66
25	73.33	74.23	73.74	73.83	72.84	72.20	71.55	72.14	72.45	72.45	71.41	70.38
Eom	73.30	73.91	73.97	73.09	73.04	71.73	71.56	72.50	72.39	72.60	71.55	70.48

## 1968

5	70.39	70.00	69.43	70.33	68.85	67.42	.....	.....	.....	67.65	67.14	67.63
10	70.48	69.53	69.83	70.25	68.61	67.20	.....	.....	.....	67.39	67.19	68.20
15	70.12	69.60	70.05	70.02	68.49	67.34	.....	.....	.....	67.04	67.15	68.54
20	69.86	69.58	70.00	69.68	68.14	67.19	.....	.....	.....	67.12	67.44	68.28
25	69.54	69.79	69.90	69.21	67.98	66.84	.....	.....	.....	67.83	67.67	68.52
Eom	69.82	69.68	.....	68.90	67.70	.....	.....	.....	.....	67.79	66.91	68.29

## 1969

5	.....	68.14	68.24	67.25	65.32	64.95	.....	61.32	61.45	.....	.....	.....
10	68.14	68.16	67.97	66.71	64.95	64.84	.....	61.31	.....	.....	.....	.....
15	68.54	68.47	68.10	66.27	65.19	64.73	61.94	61.39	.....	.....	.....	.....
20	68.33	68.50	67.72	66.02	65.35	64.45	61.64	61.33	.....	.....	.....	.....
25	68.58	68.25	67.26	65.67	65.20	64.10	61.38	61.49	.....	.....	.....	.....
Eom	68.45	68.38	67.73	65.57	64.87	.....	61.33	61.49	.....	.....	.....	.....

423029N0901256.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 9, 1969	63.10	Apr. 22, 1970	66.80	Dec. 16, 1970	62.03	July 21, 1971	65.75
Nov. 3	63.84	June 15	64.16	Jan. 25, 1971	63.00	Aug. 25	67.10
Dec. 9	65.43	July 17	63.20	Mar. 1	64.50	Sept. 28	68.23
Jan. 8, 1970	66.26	Aug. 27	63.76	Apr. 21	64.07	Nov. 10	70.14
Feb. 17	67.80	Oct. 7	63.32	June 3	64.51	Dec. 20	70.53
Mar. 12	68.34	Nov. 11	62.55				

424207N0895116.1. Local number Lf-3/5/25-1. Ernest J. Legler. Drilled unused water-table well in Prairie du Chien Group of Early Ordovician age, diam 6 in, depth 55 ft, casing information not available. 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: 1946-71.

Jan. 17, 1967	24.15	Mar. 15, 1968	23.05	July 10, 1969	19.29	Oct. 9, 1970	23.03
Mar. 1	23.55	Apr. 18	22.98	Aug. 14	22.69	Nov. 12	22.98
23	23.02	May 21	22.70	Oct. 3	23.02	Dec. 17	23.64
May 18	22.84	July 3	22.46	Nov. 12	23.07	Jan. 26, 1971	23.05
June 14	22.60	Aug. 5	22.91	Dec. 10	23.11	Mar. 4	20.25
July 25	22.99	Sept. 23	21.13	Jan. 23, 1970	23.12	Apr. 22	21.65
Sept. 1	23.11	Oct. 23	22.45	Feb. 18	23.14	June 10	22.82
21	23.11	Dec. 4	22.90	Mar. 19	23.01	July 23	22.96
Oct. 19	23.29	Jan. 13, 1969	22.87	Apr. 23	23.04	Aug. 26	23.15
Nov. 16	22.28	Feb. 24	22.72	June 10	23.07	Sept. 29	23.17
Dec. 20	23.04	Apr. 4	22.54	July 17	23.10	Nov. 12	23.40
Jan. 17, 1968	22.92	May 2	22.04	Aug. 28	23.26	Dec. 20	22.90
Feb. 13	22.91	June 4	22.77				

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, 0.20 ft above lsd (since May 7, 1968). Highest water level 4.78 below lsd, Apr. 7, 1959; lowest 19.81 below lsd, Mar. 3, 1959. Records available: 1953-66, 1968-71. No measurement made in 1967.

Mar. 14, 1968	16.93	Jan. 15, 1969	17.73	Jan. 23, 1970	16.07	Mar. 4, 1971	5.06
May 7	10.97	Feb. 20	15.33	Feb. 18	16.17	Apr. 21	12.73
June 23	15.55	Mar. 20	12.92	Mar. 19	16.44	June 3	15.15
July 31	15.77	Apr. 5	10.80	Apr. 23	16.22	July 21	16.02
Aug. 31	16.53	May 31	13.44	June 10	13.80	Aug. 25	16.58
Sept. 11	16.62	June 5	14.76	July 18	15.90	Sept. 27	17.00
Oct. 30	16.41	July 15	10.79	Oct. 6	16.65	Nov. 12	17.24
Nov. 30	17.07	Dec. 9	15.59	Jan. 26, 1971	17.00	Dec. 20	17.27
Dec. 25	17.50						

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 1 1/4 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. Highest water level 6.38 below lsd, May 15, 1960; lowest 13.84 below lsd, Feb. 28, 1949. Records available: 1942-71.

Jan. 5, 1967	12.51	Mar. 12, 1968	12.11	May 23, 1969	8.00	July 15, 1970	10.00
Feb. 8	12.75	Apr. 11	11.63	June 20	8.81	Aug. 25	10.61
Mar. 16	13.02	May 22	10.57	July 24	8.63	Oct. 13	11.02
31	11.87	June 14	10.26	Aug. 20	9.20	Nov. 17	10.16
Apr. 17	10.48	July 9	9.25	Sept. 11	9.72	Dec. 14	9.51
May 23	10.56	Aug. 9	9.30	Oct. 15	10.40	Jan. 26, 1971	10.20
June 20	10.27	Sept. 4	9.81	Nov. 12	10.75	Mar. 9	10.89
Aug. 4	9.81	Oct. 15	9.20	Dec. 23	11.28	Apr. 27	8.64
29	10.24	Nov. 7	11.54	Jan. 29, 1970	11.80	June 9	8.69
Sept. 6	10.36	Dec. 5	10.06	Feb. 26	12.08	July 15	9.48
Oct. 19	10.76	Jan. 8, 1969	10.39	Mar. 25	11.88	Aug. 30	9.57
Dec. 6	10.95	Feb. 11	10.62	Apr. 27	11.13	Oct. 21	10.64
Jan. 10, 1968	11.40	Mar. 24	10.18	May 8	11.16	Nov. 5	10.60
Feb. 13	11.88	Apr. 16	8.43	June 16	9.68	Dec. 6	9.51

Lincoln County

452318N0894025.1. Local number Ln-34/6/36-25a. U.S. Geol. Survey. Driven observation water-table well in deposits of Pleistocene age, diam 1 1/4 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: 1955-71. Water-level measurements reported in the following table are monthly lows.

Jan. 22, 1967	9.22	Mar. 4, 1968	9.43	June 29, 1969	7.44	Dec. 28, 1970	9.48
Mar. 19	9.08	Apr. 8	8.56	Aug. 31	9.17	Mar. 5, 1971	9.00
Apr. 3	7.88	May 6	7.80	Sept. 21	9.50	Apr. 3	8.55
May 29	7.97	June 17	7.68	Oct. 12	9.33	May 22	7.84
June 13	8.22	July 28	7.50	Jan. 13, 1970	9.18	June 26	8.09
July 30	8.33	Aug. 12	7.92	Feb. 17	9.22	July 24	8.69
Aug. 13	8.60	Sept. 2	8.29	Mar. 20	8.98	Aug. 10	9.07
Sept. 10	9.02	Oct. 13	7.89	Apr. 21	8.23	Sept. 10	9.15
Oct. 1	8.79	Nov. 25	8.26	June 9	8.07	Oct. 18	8.82
Dec. 10	8.86	Dec. 15	8.31	Aug. 4	9.13	Nov. 15	8.56
Jan. 21, 1968	9.26	Apr. 7, 1969	7.28	Nov. 2	8.57	Dec. 20	8.65
Feb. 25	9.38	May 12	7.58	Dec. 14	9.11		



Manitowoc County

440430N0874204.1. Local number Mn-19/23/35-28. State of Wisconsin. Drilled domestic artesian well in Niagara Dolomite of Silurian age, diam 6 in, depth 147 ft, cased to 133. Lsd 670 ft above msl. MP 4-in hole in pumpbase, 1.00 ft above lsd. Highest water level 27.98 below lsd, Apr. 28, 1969; lowest 31.16 below lsd, Aug. 18, 1970. Records available: 1968-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 27, 1968	28.16	Apr. 28, 1969	27.98	Feb. 12, 1970	30.29	Apr. 1, 1971	28.05
Aug. 22	29.47	June 4	28.44	Mar. 20	30.05	May 12	28.04
Sept. 18	29.01	July 9	28.38	July 16	30.23	June 16	29.02
Nov. 1	29.15	Aug. 14	29.33	Aug. 18	31.16	July 27	29.67
Dec. 18	29.00	Sept. 18	30.07	Oct. 7	30.52	Aug. 26	31.05
Jan. 15, 1969	29.33	Oct. 22	29.96	Nov. 19	30.07	Oct. 8	30.13
Feb. 18	28.86	Nov. 14	29.79	Dec. 30	29.18	Nov. 10	29.27
Mar. 27	28.38	Jan. 8, 1970	30.69	Feb. 10, 1971	29.22	Dec. 14	29.43

Marathon County

444114N0900825.1. Local number Mr-26/33-7. 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 36.26 below lsd, Apr. 22, 1968. Records available: 1950-71. Water levels affected primarily by pumping of nearby municipal wells.

## Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	34.37	34.19	34.81	.....	34.65	34.62	34.82	.....	34.92	34.94
10	.....	.....	34.44	34.04	34.84	.....	34.80	34.71	34.81	.....	34.84	35.04
15	.....	.....	34.48	34.67	34.86	.....	34.69	34.79	34.77	.....	34.86	34.92
20	.....	34.42	34.52	33.97	34.81	.....	34.64	34.71	34.81	.....	34.96	35.03
25	.....	34.48	34.48	.....	34.71	.....	34.74	34.75	34.90	.....	34.83	35.08
Eom	.....	34.36	34.39	34.64	.....	.....	.....	34.77	34.74	.....	34.85	35.08

## 1968

5	35.07	35.29	35.54	36.00	36.01	35.07	35.33	33.97	33.81	33.17	33.00	32.02
10	35.10	35.21	35.73	35.92	36.08	35.96	35.03	33.77	33.82	33.16	32.66	31.85
15	35.16	35.32	35.86	35.99	36.04	35.96	32.16	33.91	33.60	33.12	32.44	31.70
20	35.12	35.38	35.87	35.97	34.49	35.78	34.52	34.09	31.31	33.08	32.31	31.63
25	35.24	35.36	35.90	35.81	35.55	35.61	34.79	33.95	33.29	33.01	32.33	31.63
Eom	35.24	35.38	35.90	35.04	34.39	34.28	34.32	33.89	33.34	33.05	32.16	31.69

## 1969

5	.....	30.99	31.17	26.74	27.60	30.88	25.48	20.08	28.25	26.89	27.34	27.61
10	31.64	.....	31.08	25.89	27.89	30.81	27.52	28.99	28.01	26.80	27.40	27.63
15	31.43	.....	31.05	26.09	.....	30.68	29.24	28.96	27.72	27.01	27.43	27.83
20	31.86	.....	29.90	25.51	.....	30.53	29.18	28.65	27.51	27.14	27.57	27.87
25	31.42	.....	28.51	25.58	.....	30.18	29.12	28.31	27.26	27.14	27.58	28.01
Eom	31.35	.....	28.63	26.73	29.30	26.89	29.15	28.21	27.08	27.26	27.37	28.23

## 1970

5	28.34	28.13	.....	.....	29.99	28.28	29.87	30.48	30.75	30.59	.....	.....
10	28.21	28.27	.....	28.39	30.03	29.90	30.01	30.54	30.83	30.58	.....	30.52
15	27.93	28.34	.....	28.52	25.76	29.84	30.10	30.54	30.94	30.57	.....	30.57
20	28.09	28.53	.....	25.95	29.79	29.87	30.19	30.70	30.86	30.49	.....	30.60
25	27.82	28.63	.....	28.20	25.05	29.81	30.24	30.56	30.80	30.11	.....	30.67
Eom	27.81	28.66	.....	29.26	26.67	29.91	30.37	30.69	30.52	.....	.....	30.71

## 1971

5	30.77	30.78	31.07	23.80	.....	29.97	31.08	31.88	32.60	32.87	33.51	34.00
10	30.77	30.88	30.77	.....	.....	30.19	31.21	31.91	32.73	33.08	33.83	33.98
15	30.90	30.99	30.36	.....	.....	30.35	31.24	32.04	32.65	33.20	33.93	31.22
20	30.91	31.07	.....	.....	.....	30.53	31.40	32.22	32.96	33.26	33.97	32.46
25	30.97	30.99	28.49	.....	.....	30.78	31.56	32.37	32.92	33.37	34.00	33.51
Eom	30.84	31.15	26.40	25.08	.....	.....	31.74	32.48	32.75	33.56	34.03	34.05

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 1 1/4 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 15.68 below lsd, Sept. 24, 1969; lowest 26.09 below lsd, Mar. 30, 1959. Records available: 1944-71. Water-level measurements reported in the following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1967	18.85	Apr. 30, 1968	20.90	July 2, 1969	17.05	Oct. 22, 1970	17.27
Feb. 28	19.00	May 21	20.97	Aug. 6	16.06	Nov. 11	17.15
Mar. 21	19.45	June 4	20.85	Sept. 3	15.75	Dec. 3	16.97
Apr. 25	18.70	July 2	20.43	Oct. 29	15.90	Jan. 27, 1971	17.01
May 30	19.02	Aug. 8	19.53	Nov. 28	16.08	Feb. 24	17.27
June 27	19.22	Sept. 2	19.19	Dec. 31	16.38	Mar. 10	17.43
July 25	19.34	Oct. 1	18.87	Jan. 21, 1970	16.62	Apr. 8	15.97
Aug. 29	19.50	Nov. 27	18.88	Feb. 25	16.98	May 21	15.95
Sept. 26	19.62	Dec. 26	19.02	Mar. 18	17.30	June 17	15.95
Oct. 31	19.81	Jan. 27, 1969	19.23	Apr. 22	17.21	July 30	16.09
Nov. 28	20.00	Feb. 24	19.47	May 21	17.47	Aug. 28	16.26
Dec. 26	20.19	Mar. 17	19.63	June 11	17.11	Sept. 30	16.50
Jan. 30, 1968	20.48	Apr. 14	18.25	July 23	17.10	Oct. 28	16.72
Feb. 28	20.71	May 5	18.11	Aug. 26	17.05	Nov. 26	16.95
Mar. 5	20.77	June 4	17.83	Sept. 24	17.09	Dec. 31	17.20

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: 1947-71. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	14.81	15.49	15.62	14.39	14.75	17.73	16.44	20.32	18.26	.....	15.50	16.55
10	16.09	15.77	16.14	14.02	14.28	18.47	17.67	18.96	19.14	17.58	15.71	16.60
15	15.32	15.71	15.82	13.58	14.49	.....	19.40	19.27	.....	18.63	15.70	16.81
20	15.97	16.16	16.26	12.85	17.34	17.71	18.99	19.31	19.32	17.05	15.29	16.62
25	15.28	15.94	15.13	13.80	17.51	18.31	18.44	20.36	19.66	16.36	15.41	16.04
Eom	14.91	15.72	13.81	13.40	18.93	18.46	18.87	18.88	19.70	15.79	15.82	16.86
1968												
5	16.91	15.34	17.07	16.00	14.91	18.29	16.60	19.82	19.49	.....	16.56	16.96
10	16.09	16.15	16.49	15.80	14.97	17.91	18.26	20.36	19.34	17.46	17.38	17.21
15	15.22	15.99	16.56	14.96	14.55	18.59	18.77	20.20	19.96	17.10	16.77	16.96
20	16.29	16.69	16.57	15.04	14.32	19.08	19.83	20.27	20.29	19.47	.....	16.91
25	16.06	16.72	16.61	14.54	14.98	18.71	20.06	.....	20.12	17.74	17.13	16.50
Eom	16.36	16.63	16.26	14.45	17.91	.....	19.60	20.33	20.05	18.15	16.80	17.36
1969												
5	16.25	15.41	15.91	14.70	15.02	19.16	17.70	20.16	16.69	17.20	16.42	16.87
10	16.30	15.84	15.77	14.52	15.67	19.84	19.19	20.49	17.36	17.69	17.18	16.94
15	16.34	16.49	15.80	14.78	15.40	19.72	19.87	20.61	16.35	17.26	17.23	16.85
20	16.65	16.48	15.30	15.26	15.36	20.35	20.31	19.93	17.12	16.40	16.89	17.06
25	16.20	16.30	14.60	15.41	15.66	19.06	20.60	18.06	17.30	16.96	16.70	17.09
Eom	15.77	16.54	14.60	15.50	19.16	17.61	20.17	17.77	16.95	16.87	16.90	17.77
1970												
5	17.09	17.71	16.84	16.00	16.01	19.70	.....	.....	.....	17.65	16.76	16.36
10	17.17	17.49	17.19	16.72	16.49	19.47	.....	h19.45	.....	17.66	16.48	.....
15	17.26	17.35	16.59	16.48	16.30	19.50	.....	.....	.....	17.76	17.01	.....
20	17.77	17.13	16.80	16.13	18.30	20.61	.....	.....	h19.10	17.69	16.46	15.90
25	17.48	17.34	16.55	16.16	19.09	.....	.....	.....	18.01	17.27	16.50	.....
Eom	17.40	17.57	15.70	16.51	19.74	.....	.....	h21.70	17.63	17.32	.....	15.13
1971												
5	15.30	16.05	16.53	14.83	14.69	.....	.....	.....	h21.67	21.34	21.90	16.90
10	15.69	16.34	16.39	14.42	.....	h20.86	.....	.....	.....	21.75	20.91	h16.40
15	15.17	16.65	15.72	14.12	.....	.....	.....	.....	.....	21.80	18.04	15.87
20	15.34	16.64	15.87	14.34	.....	h19.60	.....	.....	20.65	21.77	17.58	15.69
25	15.57	16.70	15.92	14.40	.....	.....	.....	.....	21.70	21.49	17.20	15.66
Eom	16.36	16.81	15.24	14.51	.....	.....	h20.60	.....	21.61	21.84	16.79	.....

h Tape measurement.

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, casing information not available. 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, 1948. Records available: 1939-71. Water-level measurements reported in the following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1967	21.35	May 7, 1968	20.63	Aug. 26, 1969	20.45	Nov. 3, 1970	21.58
Feb. 28	21.54	June 4	20.46	Sept. 30	20.86	Dec. 1	21.40
Mar. 21	21.63	July 9	20.35	Oct. 28	20.92	Jan. 26, 1971	21.45
May 30	20.02	Aug. 20	20.29	Nov. 25	21.04	Feb. 9	21.31
June 13	20.09	Sept. 3	20.32	Dec. 30	21.30	Mar. 16	21.32
July 25	19.80	Oct. 29	20.35	Jan. 27, 1970	21.44	Apr. 6	21.06
Aug. 29	20.26	Nov. 26	20.55	Feb. 24	21.52	May 25	19.78
Sept. 26	20.55	Dec. 31	20.70	Mar. 17	21.58	June 22	20.10
Oct. 24	20.70	Jan. 14, 1969	20.78	Apr. 7	21.30	July 27	20.49
Nov. 28	20.79	Feb. 25	20.83	May 19	21.14	Aug. 31	20.53
Dec. 26	21.03	Mar. 11	20.87	June 2	21.05	Sept. 28	20.62
Jan. 30, 1968	21.35	Apr. 1	20.50	July 28	21.25	Oct. 26	20.78
Feb. 27	21.48	May 27	19.80	Aug. 25	21.61	Nov. 30	20.90
Mar. 5	21.42	June 24	20.03	Sept. 29	21.80	Dec. 28	21.12
Apr. 9	21.05	July 29	20.09	Oct. 20	21.91		

Marquette County

433956N0892756.1. Local number Mq-14/9/30-26. State of Wisconsin. Drilled domestic water-table well in sandstone of Cambrian age, diam 6 in, depth 170 ft, cased to 145'. Lsd 800 ft above msl. MP 4-in hole in pumpbase, 1.00 ft above lsd. Highest water level 14.66 below lsd, Apr. 21, 1966; lowest 19.06 below lsd, Aug. 5, 1970. Records available: 1965-71. Replaces well Co-12/9/5-28.

May 21, 1965	17.67	Jan. 20, 1967	18.09	May 11, 1968	16.00	May 21, 1969	15.20
Aug. 19	18.71	Apr. 10	16.67	June 14	16.12	June 4	15.49
Oct. 13	15.36	May 11	16.43	July 20	15.34	July 11	15.32
Nov. 17	14.88	June 19	16.45	Aug. 22	16.22	Aug. 11	16.15
Feb. 16, 1966	14.90	July 24	17.40	Oct. 7	16.65	Oct. 1	17.58
Apr. 21	14.66	Aug. 28	18.28	28	16.77	21	17.30
June 20	15.41	Oct. 4	18.50	Dec. 5	16.82	Nov. 21	17.56
Aug. 18	16.86	Nov. 29	17.33	Jan. 8, 1969	16.98	Jan. 5, 1970	17.78
Oct. 18	17.94	Jan. 8, 1968	17.07	Feb. 19	16.66	Feb. 12	17.89
Nov. 18	18.18	Feb. 13	17.35	Mar. 31	15.18	Mar. 16	16.41
Dec. 17	18.06	Apr. 6	16.90	Apr. 30	14.93	Apr. 20	17.02

433956N0892756.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 26, 1970	16.71	Jan. 13, 1971	17.38	May 3, 1971	15.10	Sept. 2, 1971	17.72
July 7	17.38	Feb. 17	17.60	June 11	15.82	Oct. 6	18.42
Aug. 5	19.06	Mar. 26	15.42	July 28	16.88	Nov. 19	17.86
Sept. 15	18.88						

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, casing information not available. 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: 1949-71.

Jan. 20, 1967	16.62	May 11, 1968	17.79	May 21, 1969	16.54	June 25, 1970	17.06
Mar. 3	17.20	June 14	17.62	June 4	16.68	Aug. 5	16.96
Apr. 10	16.73	July 20	17.23	July 11	16.34	Sept. 15	17.04
May 11	16.79	Aug. 22	17.47	Aug. 11	16.40	Jan. 12, 1971	16.80
June 19	16.95	Oct. 21	16.98	Sept. 30	16.95	Feb. 17	17.21
July 24	17.14	28	17.10	Oct. 21	16.94	Mar. 26	16.52
Aug. 28	17.38	Dec. 5	17.03	Nov. 21	17.18	May 4	15.85
Oct. 4	17.52	Jan. 8, 1969	17.18	Jan. 5, 1970	17.75	June 11	15.68
Nov. 29	17.54	Feb. 18	17.63	Feb. 12	17.42	July 27	16.04
Jan. 8, 1968	17.63	Mar. 31	16.85	Mar. 16	17.34	Sept. 2	15.95
Feb. 13	17.78	Apr. 21	16.81	Apr. 20	17.22	Oct. 6	16.32
Apr. 6	17.85	30	16.58	May 26	17.11	Nov. 19	16.27

Milwaukee County

425235N0875047.1. Local number M1-5/22/24-95. Allis Chalmers Manufacturing Co. Drilled unused artesian well in sandstone of Cambrian age and Peter Sandstone of Middle Devonian age, diam 8 in, reported depth 1,622 ft, casing information not available. Lsd 656 ft above msl. MP edge of manhole, at lsd. Highest water level 115.16 below lsd, May 5, 1952; lowest 184.20 below lsd, Jan. 26, 1971. Records available: 1952-71. Water levels affected by regional pumping.

May 11, 1967	150.89	Oct. 2, 1968	155.34	Nov. 5, 1969	160.56	Nov. 10, 1970	171.90
Sept. 6	152.01	Jan. 29, 1969	155.24	Apr. 1, 1970	167.09	Jan. 26, 1971	184.20
Mar. 13, 1968	154.40	July 15	157.06	Aug. 4	165.25	Apr. 21	179.30
June 19	154.32						

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 4-in pipe, at lsd. Highest water level 25.44 below lsd, May 3, 1951; lowest 40.03 below lsd, Aug. 13, 1971. Records available: 1946-71.

Jan. 4, 1967	32.66	Mar. 19, 1968	33.58	June 24, 1969	31.14	Oct. 16, 1970	36.49
31	33.06	Apr. 26	33.51	July 29	31.31	Nov. 13	36.65
Feb. 27	33.07	May 28	32.76	Aug. 22	30.89	Dec. 24	37.32
Apr. 5	31.73	June 25	31.91	Sept. 19	31.35	Jan. 22, 1971	37.92
27	32.06	July 29	30.14	Oct. 24	33.43	Feb. 18	38.16
May 25	31.24	Aug. 29	31.79	Nov. 13	33.02	Mar. 26	35.51
June 29	29.49	Sept. 26	31.64	Dec. 23	33.31	Apr. 23	35.25
Aug. 4	30.53	Oct. 30	32.24	Jan. 23, 1970	32.79	May 14	35.49
30	31.63	Nov. 27	32.48	Mar. 19	35.15	June 18	35.88
Sept. 28	32.18	Dec. 27	32.60	Apr. 17	34.30	July 14	39.43
Oct. 26	32.44	Jan. 30, 1969	32.01	May 14	34.01	Aug. 13	40.03
Nov. 28	32.75	Feb. 19	32.13	June 18	32.95	Sept. 29	37.14
Dec. 27	33.16	Mar. 19	32.04	July 15	33.53	Oct. 28	36.92
Jan. 30, 1968	33.60	Apr. 18	30.78	Aug. 18	35.19	Nov. 24	37.56
Feb. 27	33.39	May 29	31.22	Sept. 18	35.94	Dec. 23	36.69

430412N08875458.1. Local number M1-7/22/17-120. Nunn-Bush Shoe Co. North Fifth 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, 1951-71. Recording gage installed June 12, 1968. Water levels affected by regional pumping.

Jan. 3, 1967	101.75	Mar. 24, 1967	101.66	May 9, 1967	101.09	July 12, 1967	101.88
31	101.47	Apr. 19	101.77	June 7	101.38	Sept. 11	102.07
Mar. 3	101.30						

## Lowest water level for the day, from recorder graph, 1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	101.42	100.82	100.69	101.88	101.90	101.12
10	.....	.....	.....	.....	.....	.....	101.18	100.85	100.86	101.86	101.65	101.69
15	.....	.....	.....	.....	.....	101.50	100.88	100.74	101.19	101.69	101.59	101.56
20	.....	.....	.....	.....	.....	101.59	101.24	100.52	101.44	101.96	101.64	101.23
25	.....	.....	.....	.....	.....	101.34	101.09	100.72	101.49	101.97	101.57	101.36
End	.....	.....	.....	.....	.....	101.35	100.72	100.80	101.75	101.94	101.60	100.79

1969

5	100.75	100.27	100.07	99.97	99.68	99.57	98.70	97.78	97.85	98.56	97.85	97.90
10	100.59	100.42	99.77	99.56	99.51	99.66	98.55	97.73	98.36	98.18	98.01	97.46
15	100.81	100.78	100.25	99.63	99.91	99.96	98.40	97.65	98.18	98.41	97.66	97.44
20	100.42	100.62	99.70	99.96	99.92	99.52	98.23	97.57	98.84	98.06	98.17	97.23
25	100.54	100.23	.....	99.77	99.81	99.11	97.90	97.56	98.36	98.53	98.07	97.14
End	100.45	100.20	100.37	99.92	99.56	99.03	97.85	97.76	98.23	98.25	97.76	96.76

430412N0875458.1--Continued.

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	96.85	95.98	95.23	94.51	94.42	94.86	94.79	94.22	93.67	94.74	94.69	94.02
10	96.82	95.52	94.96	94.35	94.09	94.66	94.51	94.16	94.33	95.03	94.83	.....
15	96.52	95.67	94.93	94.23	94.33	95.15	94.31	94.12	95.02	95.34	94.92	.....
20	.....	95.75	94.71	93.39	94.48	95.42	94.51	93.92	94.65	95.13	94.25	.....
25	95.73	95.44	94.45	93.87	94.18	95.23	94.59	93.88	94.95	94.80	94.33	93.05
Eom	95.74	95.60	94.66	93.88	94.48	95.00	94.10	94.05	94.98	94.99	94.22	92.99

1971												
	5	10	15	20	25	Eom						
	92.83	91.66	91.36	91.37	90.22	90.62	90.98	90.02	89.72	90.76	91.17	90.71
	92.65	91.85	91.35	90.98	90.56	91.14	91.03	89.98	89.77	90.64	91.18	90.09
	92.92	91.74	90.70	90.77	90.19	91.04	90.54	90.34	90.25	90.88	91.07	89.93
	92.58	91.63	91.09	90.58	90.37	91.37	90.53	90.09	90.76	91.18	90.54	89.90
	92.16	91.40	91.44	90.51	89.99	91.48	90.35	89.90	90.74	91.11	90.91	90.27
	91.96	91.46	90.85	90.57	90.35	91.13	90.18	90.01	90.64	91.28	90.75	89.87

431056N0875342.1. Local number M1-8/22/4-146. James A. Kern. Formerly Stanley Larsen. 9090 North Lake Dr., Milwaukee. Drilled unused artesian well in Niagara Dolomite of Silurian age, diam 5 in, depth 116 ft, casing information not available. Lsd 680 ft above msl. MP top of casing, 5.00 ft below lsd. Highest water level 35.35 below lsd, Feb. 24, 1965; lowest 93.62 below lsd, Aug. 29, 1963. Records available: 1946-68. Well filled and covered; measurement discontinued. Replaced by well M1-8/22/32-469. Water levels affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1967	90.03	June 29, 1967	47.56	Oct. 26, 1967	89.49	Feb. 27, 1968	86.35
Feb. 27	85.74	Aug. 3	78.44	Nov. 28	88.91	Mar. 19	78.17
Apr. 27	79.53	30	84.34	Dec. 27	89.19	Apr. 25	85.73
May 26	86.43	Sept. 27	88.47	Jan. 30, 1968	85.93		

430658N0875452.1. Local number M1-8/22/32-469. Clayton Corp. Milwaukee. Drilled unused artesian well in Niagara Dolomite of Silurian age, diam 8 in, depth 355 ft, cased to 190. Lsd 632 ft above msl. MP 3/4-in bushing in pumpbase, 1.00 ft above lsd. Highest water level 39.16 below lsd, Apr. 26, 1966; lowest 81.81 below lsd, Oct. 15, 1963. Records available: 1963-71. Water levels affected by regional pumping. Replaces well M1-8/22/4-146.

Oct. 15, 1963	81.81	Oct. 28, 1965	43.14	Oct. 26, 1967	47.68	Jan. 22, 1970	43.93
Nov. 25	74.07	Nov. 23	43.21	Nov. 28	47.33	Mar. 18	44.32
Dec. 26	61.51	Dec. 21	43.72	Dec. 27	47.31	Apr. 16	43.98
Jan. 23, 1964	57.17	Jan. 25, 1966	41.88	Jan. 30, 1968	47.58	May 14	44.37
Feb. 27	54.29	Feb. 24	47.86	Feb. 27	47.59	June 18	44.44
Mar. 30	49.51	Mar. 24	41.03	Mar. 19	47.83	July 14	49.22
Apr. 27	46.04	Apr. 26	39.16	Apr. 25	47.34	Aug. 11	47.77
May 27	48.61	May 26	40.39	May 29	47.53	Sept. 17	45.10
June 25	51.34	June 23	47.51	June 24	47.84	Oct. 15	45.34
July 23	50.01	July 21	44.84	July 29	44.66	Nov. 12	45.69
Aug. 26	48.56	Aug. 24	43.28	Dec. 26	41.18	Dec. 23	45.09
Sept. 24	47.54	Sept. 22	43.93	Jan. 28, 1969	41.17	Jan. 21, 1971	45.35
Oct. 26	47.89	Oct. 25	41.43	Feb. 18	42.21	Feb. 19	44.98
Nov. 24	47.28	Dec. 5	41.05	Mar. 20	43.56	Mar. 26	44.04
Dec. 23	46.40	Jan. 4, 1967	41.09	Apr. 17	41.49	Apr. 22	42.83
Jan. 25, 1965	45.71	Feb. 1	41.54	May 28	43.27	May 13	43.53
Feb. 23	45.46	27	41.86	June 23	42.59	June 17	44.16
Mar. 25	45.12	Apr. 5	42.62	July 28	42.78	July 13	47.14
Apr. 29	44.44	27	41.86	Aug. 21	43.66	Aug. 12	47.08
May 27	47.28	May 26	42.78	Sept. 18	43.71	Sept. 30	45.59
June 24	49.11	June 29	44.27	Oct. 23	43.07	Oct. 27	44.66
July 23	46.40	Aug. 3	47.19	Nov. 13	43.96	Nov. 23	45.55
Aug. 26	44.42	30	48.96	Dec. 23	44.34	Dec. 22	45.36
Sept. 23	43.36	Sept. 27	48.16				

Monroe County

43342N0904956.1. 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, casing information not available. 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 18.23 below lsd, Mar. 27, 1959. Records available: 1934-71.

Jan. 27, 1967	13.83	May 1, 1968	12.81	Dec. 3, 1969	11.66	Dec. 13, 1970	11.18
Feb. 26	13.72	July 20	9.98	Jan. 6, 1970	12.20	Jan. 2, 1971	12.33
Mar. 28	9.00	Aug. 30	11.98	Feb. 8	13.12	Feb. 9	11.38
Apr. 26	8.69	Oct. 8	11.59	Mar. 8	10.18	Mar. 5	12.30
May 31	10.56	Nov. 6	12.25	Apr. 5	10.78	Apr. 9	7.50
June 28	8.52	Dec. 17	13.55	May 5	11.26	May 9	7.67
July 26	10.52	Apr. 17, 1969	7.79	June 8	8.86	June 13	7.40
Aug. 29	11.06	May 14	7.94	July 3	11.36	July 6	7.88
Sept. 27	12.90	June 17	8.84	Aug. 6	11.09	Aug. 4	8.40
Jan. 12, 1968	14.60	July 23	9.08	Sept. 3	12.09	Sept. 13	8.39
Feb. 29	14.46	Aug. 27	11.84	Oct. 4	11.37	Oct. 24	9.25
Apr. 2	13.58	Oct. 22	11.18	Nov. 8	11.39	Dec. 2	9.02

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 6.71 below lsd, Apr. 8-9, 1968. Records available: 1949-71.

440026N0903901.1--Continued.

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.30	4.05	5.05	4.10	3.98	4.22	3.18	3.98	4.62	4.85	4.89	5.71
10	6.33	....	5.30	3.99	3.90	4.26	3.24	4.06	....	4.92	5.11	5.77
15	6.26	4.98	5.14	3.95	4.05	3.41	3.48	4.31	h4.65	4.98	5.46	5.88
20	4.27	4.81	5.43	4.00	4.06	2.69	3.63	4.34	4.51	5.06	5.55	5.95
25	3.95	5.09	5.52	3.93	4.07	2.84	3.70	4.48	4.67	5.11	5.59	6.05
Eom	3.93	4.70	4.33	3.95	4.15	2.99	3.85	4.55	4.79	5.25	5.65	6.10
1968												
5	5.30	....	....	6.69	....	....	3.62	....	4.13	....	3.74	4.29
10	h5.23	....	....	6.68	5.50	5.31	3.85	....	3.40	3.28	3.84	4.28
15	....	....	....	....	5.52	5.35	3.97	....	....	3.21	3.88	4.45
20	h6.47	....	....	....	....	5.40	4.02	....	....	3.39	3.95	3.72
25	....	....	....	....	....	5.12	....	....	....	3.49	4.07	3.98
Eom	....	....	....	....	....	3.59	....	4.00	....	3.61	4.18	....
1969												
5	....	4.86	....	....	....	....	2.44	....	4.24	4.80	4.46	4.80
10	....	4.99	....	....	....	....	....	....	....	4.79	4.54	5.03
15	....	5.10	....	h3.76	h3.76	....	2.80	....	4.49	4.74	4.65	5.17
20	....	5.11	....	....	....	4.23	2.99	....	4.55	4.45	4.74	5.27
25	4.80	5.22	....	....	....	4.28	3.17	4.23	4.65	4.35	4.45	5.38
Eom	4.69	....	....	....	....	2.35	3.32	4.39	4.73	4.38	4.42	5.48
1970												
5	5.57	5.98	4.38	5.37	5.21	4.19	5.01	5.61	5.85	4.85	4.85	4.84
10	5.60	6.00	4.61	5.43	5.20	4.27	5.17	5.65	5.38	5.05	4.68	4.90
15	5.70	6.07	4.85	5.45	5.21	4.48	5.27	5.67	4.91	5.21	4.64	5.02
20	5.80	6.13	5.08	5.42	5.15	4.64	5.36	5.71	4.76	5.30	4.66	5.12
25	5.83	5.90	5.20	5.36	5.09	4.80	5.49	5.81	4.67	5.38	4.62	5.20
Eom	5.90	5.32	5.31	5.23	4.37	4.90	5.54	5.74	4.75	5.07	4.70	5.30
1971												
5	5.38	5.77	5.71	4.14	4.51	4.19	4.83	5.43	5.41	5.49	5.51	5.66
10	5.43	5.80	5.68	4.02	4.55	4.25	4.94	5.51	5.48	5.49	5.35	5.66
15	5.52	5.90	5.61	4.07	4.60	4.39	5.01	5.09	5.25	5.56	5.39	5.14
20	5.55	5.86	4.86	4.23	4.66	4.50	5.15	4.93	5.37	5.61	5.44	4.99
25	5.62	5.82	4.69	4.38	4.47	4.62	5.23	5.11	5.46	5.65	5.54	4.99
Eom	5.70	5.84	4.58	4.46	4.07	4.75	5.35	5.31	5.49	5.74	5.64	5.14
h Tape measurement.												

h Tape measurement.

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 1 1/4 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: 1944-71. Water-level measurements reported in the following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1967	31.76	Apr. 29, 1968	30.85	July 6, 1969	28.72	Oct. 18, 1970	31.05
Feb. 26	31.84	May 19	30.98	Aug. 31	28.88	Nov. 30	31.25
Mar. 5	31.88	June 3	30.47	Sept. 28	29.09	Dec. 20	31.33
Apr. 9	31.50	July 7	30.18	Oct. 26	29.17	Jan. 24, 1971	31.42
May 7	30.64	Aug. 7	28.01	Nov. 30	29.42	Feb. 21	31.52
June 4	30.01	Sept. 29	27.79	Dec. 28	29.63	Mar. 21	31.63
July 2	29.72	Oct. 27	27.86	Jan. 28, 1970	29.80	Apr. 6	31.68
Aug. 6	29.47	Nov. 24	28.20	Feb. 24	30.05	May 2	31.10
Sept. 24	29.55	Dec. 29	28.46	Mar. 30	30.27	June 6	30.55
Oct. 29	29.77	Jan. 26, 1969	28.70	Apr. 26	30.43	July 10	30.08
Nov. 19	30.01	Feb. 23	29.03	May 24	30.60	Aug. 1	29.59
Dec. 31	30.13	Mar. 23	29.14	June 14	30.65	Sept. 26	29.70
Jan. 28, 1968	30.25	Apr. 6	29.22	July 20	30.72	Oct. 31	29.84
Feb. 25	30.44	May 4	29.02	Aug. 30	30.84	Nov. 30	30.02
Mar. 31	30.65	June 1	28.83	Sept. 13	31.02	Dec. 14	30.08

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: 1946-70. No measurement made in 1971. Water levels affected by pumping of nearby wells. Mar. 25, 1970, 34.49 (tape measurement).

Lowest water level for the day, from recorder graph, 1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	28.85	29.81	31.62	33.32	42.88	45.04	.....	41.59	32.12
10	h28.66	.....	27.68	25.69	28.64	29.20	37.39	41.01	45.74	46.58	38.80	31.10
15	.....	.....	28.02	26.04	28.46	40.93	41.05	42.61	.....	47.47	36.23	30.99
20	.....	.....	26.38	25.59	29.61	43.35	44.67	41.72	47.82	47.77	31.54	30.79
25	.....	.....	27.57	25.90	31.31	35.70	46.57	46.18	46.48	46.02	30.61	29.04
Eom	.....	.....	29.59	26.52	31.12	38.67	42.58	43.43	.....	43.98	32.88	.....

441644N0881550.1--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	28.39	.....	30.19	28.44	.....	36.01	.....	.....	.....	.....	.....
10	.....	28.53	.....	29.08	30.95	.....	42.59	.....	.....	.....	.....	.....
15	.....	29.60	.....	29.87	29.41	.....	.....	.....	.....	.....	.....	.....
20	28.83	28.14	.....	29.08	27.13	.....	40.55	.....	.....	.....	.....	.....
25	29.93	30.21	.....	28.17	29.63	38.87	.....	.....	49.20	.....	.....	.....
Eom	32.01	32.03	.....	28.14	30.82	37.33	.....	.....	43.19	.....	.....	.....
1969												
5	.....	.....	.....	35.77	35.39	36.76	38.88	.....	.....	.....	.....	.....
10	.....	.....	.....	38.68	34.86	37.97	42.42	.....	.....	.....	.....	.....
15	.....	.....	.....	35.48	35.94	35.48	.....	.....	.....	.....	.....	.....
20	.....	.....	.....	34.76	34.50	38.48	.....	.....	.....	.....	.....	.....
25	.....	c86.44	34.94	36.83	33.87	41.18	.....	.....	.....	.....	.....	.....
Eom	.....	.....	36.32	36.66	35.16	40.84	.....	.....	.....	.....	.....	.....

c Nearby well being pumped.

h Tape measurement.

44223N0883516.1. Local number Ou-22/16/20-95. Harold Surprise. Formerly H. A. Booth. 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 ms1. MF top of casing, 1.00 ft above lsd. Highest water level 6.36 below lsd, Apr. 26, 1955; lowest 14.77 below lsd, Oct. 23, 1968. Records available: 1952-70. No measurement made in 1971.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1967	8.69	Jan. 18, 1968	11.64	Jan. 24, 1969	11.41	Jan. 31, 1970	13.97
Feb. 9	9.29	Feb. 22	9.07	Feb. 27	9.19	Mar. 27	10.24
Mar. 9	9.12	Mar. 28	8.87	Mar. 28	11.30	Apr. 15	14.10
Apr. 13	9.21	Apr. 18	7.78	Apr. 25	10.84	May 6	14.73
May 19	9.91	May 22	7.48	May 23	11.15	June 3	11.18
June 16	14.12	June 18	7.13	June 20	11.01	July 1	12.34
July 19	7.88	July 25	6.86	July 25	11.93	Aug. 6	10.61
Aug. 18	8.34	Aug. 22	12.72	Aug. 29	13.09	Sept. 30	12.96
Sept. 21	8.66	Sept. 18	9.92	Sept. 26	14.15	Oct. 22	13.57
Oct. 19	11.78	Oct. 23	14.77	Oct. 31	14.65	Nov. 19	11.62
Nov. 16	8.31	Nov. 20	9.05	Nov. 26	13.72	Dec. 31	13.15
Dec. 21	10.30	Dec. 20	11.83	Dec. 18	13.93		

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, casing information not available. Lsd 1,250 ft above ms1. MF hole in pumpbase, at lsd. Highest water level 32.20 below lsd, May 9, 1969; lowest 41.38 below lsd, July 22, 1959. Records available: 1957-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1967	34.16	June 28, 1968	35.37	Aug. 6, 1969	32.43	Sept. 16, 1970	34.17
Apr. 27	33.82	Aug. 18	34.87	Sept. 5	32.75	Oct. 27	33.90
June 6	33.92	30	33.97	Oct. 8	33.06	Dec. 1	33.23
July 21	33.30	Oct. 7	33.62	Nov. 4	33.21	Jan. 4, 1971	33.33
Aug. 14	33.26	Nov. 7	32.61	Dec. 11	33.60	Feb. 9	33.65
Sept. 28	33.28	Dec. 6	32.35	Jan. 7, 1970	34.04	Mar. 15	34.05
Nov. 7	33.66	Jan. 9, 1969	32.47	Feb. 9	34.49	May 10	32.98
Dec. 1	33.73	Feb. 13	32.68	Mar. 6	34.70	June 15	32.66
Jan. 5, 1968	34.26	Mar. 11	32.71	Apr. 10	35.18	July 20	32.88
Feb. 7	34.66	Apr. 7	33.06	May 27	35.06	Aug. 25	32.94
Mar. 7	35.49	May 9	32.20	June 29	34.52	Oct. 11	33.29
Apr. 18	35.42	July 12	32.49	Aug. 4	34.05	Nov. 18	32.60
May 13	35.40	July 21	32.42				

Portage County

442100N0893849.1. Local number Pt-22/7/35-35. U.S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 1 1/2 in, depth 11 ft, cased to 9, well point 9-11. Lsd 1,054 ft above ms1. MF 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: 1950-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1967	5.25	Feb. 26, 1968	4.89	Mar. 14, 1969	4.60	Apr. 30, 1970	3.96
Feb. 7	5.15	Mar. 4	5.10	Apr. 30	2.90	May 15	3.71
Mar. 6	5.00	Apr. 8	4.25	May 26	3.80	June 25	4.21
Apr. 25	3.25	May 13	4.40	June 21	3.68	July 17	4.66
May 29	4.35	June 24	4.25	July 28	4.15	Aug. 27	3.88
June 5	4.55	July 15	3.70	Aug. 30	5.10	Jan. 7, 1971	3.88
July 31	4.90	Aug. 19	5.00	Sept. 22	5.10	Apr. 29	3.93
Aug. 15	5.30	Sept. 2	4.70	Oct. 6	4.80	June 8	4.10
Sept. 11	5.35	Oct. 15	4.40	Nov. 24	4.50	July 21	4.27
Oct. 2	5.40	Nov. 18	4.65	Dec. 17	4.59	Aug. 25	4.42
Nov. 27	4.70	Dec. 2	5.00	Jan. 2, 1970	4.54	Oct. 4	4.64
Dec. 25	4.85	Jan. 15, 1969	4.78	Feb. 8	4.48	Nov. 10	4.85
Jan. 15, 1968	5.00	Feb. 24	4.60	Mar. 19	3.67	Dec. 15	4.47

443127N0891741.1. Local number Pt-24/10/28-15. Lawrence Krogwald. 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 ms1. MP rim of casing, 1.50 ft above lsd. Highest water level 32.20 below lsd, May 15, 1971; lowest 38.81 below lsd, Nov. 12, 1959. Records available: 1950-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1967	33.84	Apr. 19, 1968	34.46	July 5, 1969	33.73	Oct. 17, 1970	33.21
Feb. 18	33.99	May 4	34.52	Aug. 9	33.39	Nov. 14	33.36
Mar. 21	34.07	June 28	34.54	Sept. 24	33.41	Dec. 12	33.36
Apr. 1	34.12	July 7	34.53	Oct. 23	33.50	Jan. 23, 1971	33.39
May 10	34.05	Aug. 9	34.41	Nov. 28	33.55	Feb. 20	33.41
June 8	34.01	Sept. 7	34.33	Dec. 26	33.64	Mar. 20	33.46
July 12	33.78	Oct. 10	34.34	Jan. 24, 1970	33.78	Apr. 3	33.46
Aug. 20	33.68	Nov. 22	34.38	Feb. 21	33.89	May 1	33.21
Sept. 22	33.79	Dec. 24	34.49	Mar. 21	34.01	June 26	32.32
Oct. 21	33.87	Jan. 24, 1969	34.58	Apr. 4	34.00	July 24	32.41
Nov. 25	33.96	Feb. 28	34.73	May 16	33.98	Aug. 21	32.46
Dec. 26	34.03	Mar. 29	34.84	June 13	33.74	Sept. 18	32.52
Jan. 25, 1968	34.11	Apr. 8	34.76	July 11	33.06	Oct. 30	32.68
Feb. 20	34.22	May 23	33.75	Aug. 8	33.06	Nov. 27	32.78
Mar. 28	34.34	June 11	33.77	Sept. 19	33.11	Dec. 24	32.87

## Price County

455548N0902634.1. Local number Pr-40/1W/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 ms1. 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: 1937-71. Water-level measurements reported in the following table are monthly lows.

Jan. 21, 1967	2.35	Apr. 6, 1968	2.00	July 12, 1969	1.57	Oct. 10, 1970	3.23
Feb. 25	2.76	May 4	1.87	Aug. 30	2.22	Nov. 28	2.13
Mar. 4	2.84	June 8	1.38	Sept. 13	2.63	Dec. 5	2.76
Apr. 29	.93	July 27	1.15	Oct. 11	2.18	Jan. 30, 1971	2.93
May 27	1.01	Aug. 31	1.71	Nov. 29	2.26	Feb. 13	3.77
June 3	.99	Sept. 14	1.39	Dec. 27	2.89	Mar. 6	2.78
July 29	1.64	Oct. 5	1.46	Jan. 31, 1970	3.35	Apr. 24	1.00
Aug. 26	2.06	Nov. 23	1.18	Feb. 28	3.48	May 15	1.10
Sept. 30	2.80	Dec. 28	1.75	Mar. 7	3.00	June 26	1.31
Oct. 7	2.98	Jan. 25, 1969	3.06	Apr. 18	1.78	July 31	1.81
Nov. 25	2.85	Feb. 15	2.31	May 2	1.44	Aug. 14	2.26
Dec. 30	3.38	Mar. 1	2.00	June 27	1.69	Sept. 25	2.41
Jan. 27, 1968	4.09	Apr. 5	.92	July 25	2.38	Oct. 16	2.23
Feb. 24	4.48	May 24	1.13	Aug. 29	3.68	Nov. 13	1.97
Mar. 2	4.49	June 21	1.36	Sept. 5	3.73	Dec. 4	2.00

## Racine County

424201N0875422.1. Local number Ra-3/22/21-5. Chicago, Milwaukee, St. Paul & Pacific RR. Co. Drilled unused artesian well in sandstone of Cambrian age and St. Peter Sandstone of Middle Ordovician age, diam 12 in, reported depth 1,176 ft, cased to 586, 10-in liner 976-1,083. Lsd 730 ft above ms1. MP top of casing, 1.00 ft above lsd. Highest water level 109.00 below lsd, July 29, 1946; lowest 221.21 below lsd, Jan. 27, 1971. Records available: 1946-71. Replaces well Ra-3/23/9-23.

July 29, 1946	109.00	July 24, 1951	129.51	July 14, 1959	154.61	Jan. 6, 1967	175.28
Aug. 23	109.42	Oct. 1	128.89	Sept. 30	156.50	Feb. 15	175.68
Sept. 27	115.25	Dec. 11	130.36	Dec. 3	155.45	Mar. 15	175.80
Oct. 4	112.21	Apr. 16, 1952	130.85	Mar. 4, 1960	156.80	Apr. 14	176.65
Nov. 29	111.87	June 5	133.04	May 24	157.81	May 11	176.84
Dec. 23	112.25	Oct. 16	132.89	Aug. 30	158.45	June 27	177.72
Jan. 29, 1947	112.24	Dec. 11	133.40	Nov. 22	159.10	Aug. 4	178.16
June 11	113.00	Feb. 10, 1953	134.10	Feb. 28, 1961	161.06	Sept. 6	178.68
Sept. 24	115.87	Apr. 16	134.23	May 26	161.22	Oct. 4	178.93
Oct. 29	115.51	June 10	134.83	Aug. 31	163.53	Nov. 7	179.66
Dec. 18	114.58	Aug. 12	135.45	Oct. 30	164.09	Dec. 19	180.19
Jan. 15, 1948	115.40	Oct. 22	136.85	Mar. 2, 1962	164.80	Jan. 23, 1968	183.31
Feb. 19	115.48	Jan. 25, 1954	139.62	May 25	165.70	Mar. 12	180.89
Mar. 18	117.58	Mar. 11	138.36	July 30	166.25	Apr. 9	183.29
Apr. 15	117.00	May 12	141.45	Aug. 24	166.85	May 16	180.96
May 10	119.77	July 15	139.96	Nov. 30	168.29	June 18	181.95
June 9	118.38	Sept. 16	139.86	Feb. 28, 1963	167.99	July 18	182.36
July 7	117.54	Dec. 7	140.07	Apr. 3	168.90	Aug. 21	183.02
Aug. 4	117.94	Feb. 24, 1955	139.98	May 29	168.84	Sept. 30	183.79
Sept. 29	117.84	Apr. 12	139.97	June 19	174.09	Nov. 1	184.34
Oct. 27	117.90	June 29	142.36	Aug. 30	167.81	Dec. 23	184.94
Dec. 1	118.32	Aug. 24	142.60	Oct. 16	166.89	Jan. 29, 1969	185.72
Jan. 3, 1949	118.49	Nov. 8	141.84	Nov. 27	167.04	Feb. 27	187.26
Feb. 28	121.78	Jan. 18, 1956	141.82	Feb. 27, 1964	167.81	Mar. 26	187.69
May 2	121.59	Apr. 28	142.08	May 28	168.49	May 8	187.05
June 5	122.74	May 28	143.38	Aug. 27	168.52	June 4	187.51
July 25	124.28	Aug. 7	147.41	Nov. 25	170.02	July 10	188.16
Sept. 19	125.03	Nov. 13	145.81	Feb. 25, 1965	170.07	Aug. 20	188.55
Dec. 5	123.90	Jan. 31, 1957	146.47	May 28	171.04	Sept. 20	189.55
Feb. 6, 1950	125.98	Apr. 30	146.73	Aug. 26	170.77	Oct. 30	190.40
Apr. 3	126.06	July 30	147.85	Nov. 23	171.37	Dec. 10	190.77
May 10	128.35	Oct. 30	147.94	Feb. 24, 1966	172.42	Jan. 7, 1970	191.17
July 24	129.78	Jan. 30, 1958	148.82	Apr. 27	172.32	Mar. 6	194.09
Sept. 12	126.48	Apr. 29	149.72	June 24	173.19	Apr. 2	192.11
Nov. 14	129.01	July 30	151.20	Aug. 25	172.99	May 6	193.31
Jan. 23, 1951	127.83	Oct. 29	151.64	Oct. 28	175.51	July 8	194.59
May 21	128.60	Jan. 29, 1959	151.91	Dec. 1	175.50	Aug. 4	195.87

424201N0875422.1--Continued.

Date	Water level
Sept. 14, 1970	206.43
Nov. 10	212.77
Dec. 17	215.29
Jan. 27, 1971	221.21

Date	Water level
Mar. 11, 1971	200.38
24	199.83
Apr. 22	202.42

Date	Water level
June 1, 1971	204.03
July 8	204.54
Aug. 19	210.45

Date	Water level
Sept. 29, 1971	214.13
Nov. 19	219.41
Dec. 31	220.38

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 of Silurian age, diam 20 in, reported depth 1,720 ft, cased to 70, 12-in liner 347-560. Lsd 595 ft (previously reported 587 ft) above msl. MP top of casing, 4.00 ft below lsd. Highest water level 5.27 below lsd, Aug. 20, 1952; lowest 49.54 below lsd, June 27, 1967. Records available: 1952-67. Well destroyed; measurement discontinued. Replaced by well Ra-3/22/21-5. Jan. 6, 1967, 47.38; Feb. 10, 47.96; Mar. 16, 49.11; Apr. 14, 48.95; May 11, 49.12; June 27, 49.54.

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 4-in hole in cap on casing, 1.50 ft above lsd. Highest water level 53.20 below lsd, May 25, 1962; lowest 59.43 below lsd, Aug. 5, 1970. Records available: 1947-71.

Jan. 23, 1967	55.42
Mar. 8	55.37
May 19	54.98
June 20	54.91
July 24	55.18
Sept. 4	55.42
Oct. 4	55.42
Nov. 10	55.21
Dec. 28	55.34
Jan. 19, 1968	55.65
Mar. 5	55.34
Apr. 17	55.49

May 8, 1968	57.42
June 27	55.23
July 15	55.27
Aug. 16	55.40
Oct. 4	55.44
Nov. 5	57.63
Dec. 13	55.36
Jan. 17, 1969	55.56
Feb. 25	55.34
Apr. 2	55.79
May 5	54.65

June 6, 1969	54.75
July 18	54.53
Aug. 21	54.82
Sept. 30	55.18
Oct. 23	55.16
Dec. 5	55.38
Jan. 2, 1970	55.32
Feb. 20	55.52
Apr. 1	55.07
June 29	55.43
Aug. 5	59.43

Sept. 12, 1970	55.85
Nov. 13	55.70
Dec. 15	55.97
Mar. 17, 1971	55.37
Apr. 26	54.45
June 4	54.54
July 13	54.66
Aug. 17	55.09
Sept. 28	55.06
Nov. 11	55.20
Dec. 28	55.14

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. Lsd 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 14.46 below lsd, Dec. 5, 1967, Mar. 16, 1971. Records available: 1956-71.

Jan. 12, 1967	13.18
Feb. 20	12.87
May 4	12.01
June 8	12.50
July 14	12.60
Aug. 16	13.30
Sept. 22	13.50
Oct. 26	13.71
Dec. 5	14.46
Jan. 29, 1968	13.50
Feb. 5	13.47
Mar. 8	13.57

Apr. 15, 1968	13.46
May 10	12.99
June 26	10.62
July 24	11.68
Aug. 26	13.42
Sept. 23	12.25
Oct. 21	10.97
Dec. 2	12.22
Jan. 6, 1969	11.92
Feb. 10	11.92
Mar. 10	11.85
Apr. 16	11.32

May 5, 1969	12.18
June 9	11.86
July 11	13.09
Aug. 5	13.06
Sept. 8	13.92
Oct. 10	13.92
Nov. 4	13.63
Dec. 9	13.99
Jan. 6, 1970	13.05
Feb. 9	13.11
Mar. 9	13.32
June 30	13.35

July 31, 1970	13.59
Sept. 15	14.21
Oct. 26	13.70
Dec. 4	11.93
Feb. 15, 1971	12.26
Mar. 16	14.46
May 13	12.51
June 21	12.97
July 22	13.17
Aug. 27	13.38
Oct. 8	13.68
Nov. 17	13.03

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, casing information not available. Lsd 1,380 ft above msl. MP top of casing, 1.60 ft above lsd. Highest water level 12.40 below lsd, Apr. 22, 1969; lowest 20.73 below lsd, Apr. 15, 1968. Records available: 1957-71.

Jan. 13, 1967	17.70
Feb. 17	18.07
Mar. 24	17.09
May 4	16.44
June 12	15.71
July 18	14.77
Aug. 18	15.56
Sept. 25	16.61
Oct. 30	17.48
Dec. 5	17.52
Jan. 4, 1968	18.79
Feb. 5	19.60
Mar. 8	19.26

Apr. 15, 1968	20.73
June 1	15.23
July 10	15.01
Aug. 8	14.12
Sept. 10	15.06
Oct. 1	14.57
Nov. 4	14.00
Dec. 9	14.80
Jan. 14, 1969	14.08
Feb. 6	14.77
Mar. 6	14.74
Apr. 22	12.40
May 13	13.00

June 11, 1969	13.89
July 16	14.68
Aug. 18	14.83
Sept. 10	15.49
Oct. 8	17.03
Nov. 4	17.00
Dec. 1	18.06
Jan. 23, 1970	18.96
Feb. 17	18.08
May 19	18.30
June 26	17.67
July 30	17.88

Sept. 15, 1970	19.31
Oct. 26	19.73
Dec. 7	16.80
31	17.63
Feb. 12, 1971	18.22
Mar. 16	18.75
May 7	16.04
June 9	16.18
July 20	16.33
Aug. 10	16.67
Oct. 8	16.66
Nov. 7	15.83



St. Croix County

450812N0922236.1. 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 31.01 below lsd, July 27, 1971; lowest 36.04 below lsd, Sept. 13, 1961. Records available: 1957-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 22, 1967	33.70	June 6, 1968	33.61	July 7, 1969	34.40	Aug. 5, 1970	32.91
May 7	33.03	July 1	33.57	Aug. 6	32.47	Sept. 16	34.11
June 10	33.12	18	33.51	Sept. 11	32.80	Oct. 28	32.79
July 13	32.18	Aug. 30	33.59	Oct. 8	32.91	Dec. 7	31.89
Aug. 14	32.66	Sept. 26	33.44	Nov. 4	32.95	Jan. 4, 1971	31.82
Sept. 21	32.84	Oct. 25	34.52	Dec. 11	33.22	Feb. 9	31.92
Nov. 7	33.00	Dec. 5	32.97	Jan. 7, 1970	33.97	Mar. 15	32.10
Dec. 5	33.02	Jan. 9, 1969	33.09	Feb. 9	33.27	May 6	32.33
Jan. 5, 1968	33.86	Feb. 13	33.14	Mar. 9	33.42	June 14	31.25
Feb. 7	33.44	Mar. 11	33.14	Apr. 10	33.24	July 27	31.01
Mar. 7	33.06	Apr. 6	32.67	May 20	32.85	Oct. 11	31.42
Apr. 18	33.43	May 9	32.14	June 29	32.73	Nov. 18	31.33
May 21	33.64	June 12	32.31				

Sauk County

432201N0894601.1. Local number SK-10/6/3-1. Badger Army Ammunition Plant. Drilled unused artesian well in sandstone of Cambrian age, diam 16 in, depth 426 ft, cased to 203. Lsd 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: 1946-71. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	69.27	69.48	69.16	68.63	c78.64	73.86	c80.25	70.01	69.30	68.49	68.93	68.60
10	69.62	68.73	69.46	d72.73	69.48	72.92	d78.29	69.30	69.24	68.34	68.19	68.36
15	69.37	69.28	69.59	68.93	72.28	72.86	73.39	69.84	68.39	68.61	68.69	69.38
20	69.83	69.66	69.20	68.57	72.91	72.66	c83.55	68.89	68.15	68.43	68.44	68.60
25	68.96	68.75	70.01	68.79	73.02	72.94	71.60	69.62	68.23	67.99	68.10	69.41
Eom	68.95	69.84	68.70	68.43	73.50	72.87	70.57	68.85	68.27	68.23	69.42	70.11

1968

5	70.35	67.75	66.79	67.28	68.19	68.95	67.88	68.44	67.17	66.85	66.52	66.70
10	70.93	68.68	66.79	66.83	68.44	69.57	68.03	67.35	66.89	66.66	66.56	68.06
15	70.22	68.55	66.69	66.59	68.33	68.20	69.39	67.56	66.88	66.57	66.89	c71.26
20	68.22	68.70	66.65	67.30	68.13	67.75	67.80	67.21	66.74	66.64	67.64	68.76
25	68.86	67.89	66.50	68.12	68.51	67.91	67.43	67.21	.....	d67.43	66.73	68.78
Eom	67.63	67.44	66.88	67.80	67.78	67.36	67.46	67.72	66.76	66.69	67.29	69.08

1969

5	69.41	68.93	67.55	67.04	66.14	65.81	66.31	66.89	66.89	65.97	65.36	66.42
10	69.48	68.13	67.86	66.76	69.81	66.01	65.99	66.00	66.43	65.21	65.53	66.56
15	68.50	68.67	68.36	66.36	66.23	65.84	66.29	67.74	67.21	65.46	66.76	66.74
20	67.94	68.10	67.31	66.41	66.12	66.02	66.09	68.16	66.59	65.16	66.96	65.80
25	69.17	67.33	67.60	66.58	65.92	65.73	66.02	70.13	66.44	65.47	65.79	66.72
Eom	68.51	67.74	68.66	66.29	66.84	65.53	66.43	69.95	66.33	65.49	66.04	66.16

1970

5	67.51	67.30	66.13	70.36	66.14	66.22	67.45	67.57	66.81	65.02	65.48	67.50
10	67.76	66.54	66.60	67.10	66.35	67.11	68.41	69.42	65.49	65.05	67.00	67.43
15	67.27	67.30	66.85	66.34	65.69	66.36	67.59	70.73	65.29	65.00	66.85	67.46
20	67.97	67.57	72.18	65.75	66.55	67.06	67.20	67.70	65.35	64.85	66.87	67.55
25	67.30	66.73	71.12	65.66	65.77	68.68	68.52	68.04	64.66	65.08	67.54	67.32
Eom	66.94	67.01	c75.73	65.89	65.69	67.64	c72.90	67.33	65.01	65.32	67.17	67.55

1971

5	67.78	67.85	67.48	67.02	65.67	67.00	67.21	66.01	65.42	64.41	64.48	65.15
10	67.82	68.09	67.57	66.45	66.12	66.45	66.56	66.66	64.92	64.44	64.92	64.88
15	67.95	67.95	67.18	65.99	66.76	c68.99	66.35	65.48	65.32	64.59	64.50	64.93
20	67.86	67.66	67.48	65.71	65.80	d69.16	66.78	65.36	65.16	64.44	64.74	65.40
25	67.73	67.48	67.41	65.68	65.45	67.10	66.28	65.33	64.84	64.27	64.94	64.69
Eom	68.26	67.65	66.51	65.92	66.27	67.29	66.12	65.58	64.54	64.48	65.49	65.17

c Nearby well being pumped.

d Nearby well pumped recently.

432719M0894357.1. 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. Lsd 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: 1946-67. Well destroyed; measurement discontinued. Water levels affected by pumping of nearby wells. Jan. 21, 1967, +1.78; Feb. 18, +2.65; Mar. 1, +2.75; Apr. 15, +3.03; May 27, +2.69; June 3, +2.75; July 1, +2.75.

Shawano County

444203N0882146.1. Local number Sh-26/18/30-1. Harry Sievert. Drilled unused water-table well in dolomite of Prairie du Chien Group (previously reported in limestone), diam 6 in, depth 132 ft, casing information not available. 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: 1947-71.

444203N0882146.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1967	61.07	Apr. 17, 1968	58.81	July 24, 1969	55.15	Nov. 17, 1970	57.83
Feb. 8	60.81	May 21	54.98	Aug. 27	57.37	Dec. 18	57.96
Mar. 7	61.16	June 18	55.83	Sept. 24	58.08	Jan. 26, 1971	58.10
Apr. 12	58.09	July 23	56.56	Oct. 29	59.16	Feb. 25	57.40
May 18	57.81	Aug. 21	56.55	Nov. 25	59.39	Mar. 23	56.07
June 14	57.42	Sept. 17	56.01	Dec. 16	59.81	Apr. 26	54.28
July 18	56.52	Oct. 23	57.12	Jan. 28, 1970	59.34	May 20	54.74
Aug. 17	58.03	Nov. 20	57.64	Mar. 25	58.73	June 23	55.96
Sept. 20	58.67	Dec. 18	57.81	Apr. 21	58.24	July 23	57.48
Oct. 18	59.48	Jan. 22, 1969	57.97	May 26	57.46	Aug. 25	57.40
Nov. 15	58.33	Feb. 26	57.49	June 24	56.68	Sept. 23	59.37
Dec. 20	58.31	Mar. 26	54.47	July 21	58.08	Oct. 21	57.98
Jan. 17, 1968	60.34	Apr. 23	54.20	Aug. 28	59.30	Nov. 15	57.43
Feb. 21	61.04	May 20	54.56	Sept. 21	59.59	Dec. 16	55.92
Mar. 27	59.54	June 16	55.67	Oct. 23	59.76		

Taylor County

459947N0904839.1. Local number Ta-31/4W/13-1. Village of Gilman. Drilled unused (previously reported 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: 1957-71. Recording gage installed Nov. 24, 1970. Water levels affected by pumping of nearby wells.

Mar. 6, 1967	9.20	June 25, 1968	7.07	Aug. 7, 1969	9.42	Apr. 17, 1970	7.92
July 21	10.27	Sept. 24	8.52	Sept. 8	10.21	May 21	8.82
Aug. 18	9.90	Feb. 11, 1969	8.38	Oct. 9	10.02	June 30	9.75
Sept. 20	9.91	Mar. 11	9.23	Nov. 5	9.52	July 31	9.58
Oct. 27	9.62	Apr. 15	7.13	Dec. 9	9.65	Sept. 16	10.09
Dec. 5	8.82	May 5	8.50	Jan. 6, 1970	9.62	Oct. 27	7.01
Apr. 16, 1968	9.13	June 10	8.84	Feb. 9	9.80	Nov. 24	7.72
May 22	7.28	July 9	9.12	Mar. 9	9.48	Dec. 7	8.51

Lowest water level for the day, from recorder graph, 1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	....	....	....	....	....	....	....	....	....	....
10	....	....	....	....	....	....	....	....	....	....	....	8.89
15	....	....	....	....	....	....	....	....	....	....	....	9.05
20	....	....	....	....	....	....	....	....	....	....	....	9.15
25	....	....	....	....	....	....	....	....	....	....	....	9.22
End	....	....	....	....	....	....	....	....	....	....	....	9.31

1971

5	.....	.....	11.05	.....	.....	10.89	11.88	12.08	11.88	11.42	11.20	11.45
10	11.31	.....	11.13	.....	.....	10.64	11.86	12.20	11.79	11.50	11.41	11.48
15	.....	11.33	10.28	.....	.....	10.93	11.98	11.79	11.90	11.52	11.53	.....
20	.....	11.26	11.03	.....	.....	11.25	11.80	11.69	12.01	11.53	11.25	.....
25	.....	11.27	10.96	.....	.....	11.43	11.91	11.70	11.95	11.65	11.39	11.38
End	.....	11.32	.....	.....	10.09	11.66	11.92	11.84	11.86	11.54	11.41	11.31

451919N0901724.1. Local number Ta-33/2/30-9. State of Wisconsin. Drilled domestic water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 160 ft, cased to 155. Lsd 1,591 ft above msl. MP 4-in hole in pumpbase, 0.50 ft above lsd. Highest water level 29.54 below lsd, Aug. 8, 1968; lowest 34.01 below lsd, Jan. 10, 1968. Records available: 1965-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 9, 1965	31.97	Oct. 5, 1967	32.60	Feb. 6, 1969	31.14	Apr. 15, 1970	32.39
Mar. 11, 1966	32.01	Dec. 1	33.68	Mar. 6	31.27	June 19	32.10
May 18	30.59	Jan. 10, 1968	34.01	Apr. 22	30.23	July 22	31.24
July 14	31.51	Feb. 18	33.75	May 13	30.11	Aug. 20	32.92
Sept. 6	31.95	Mar. 28	33.79	June 11	30.30	Oct. 8	33.39
Oct. 10	32.45	Apr. 3	33.86	July 17	30.63	Nov. 4	32.89
Nov. 9	32.33	May 30	33.40	Aug. 18	31.38	Dec. 14	32.20
Dec. 17	32.52	June 11	31.46	Sept. 10	32.01	Mar. 12, 1971	32.79
Jan. 17, 1967	32.94	July 10	30.64	Oct. 8	32.35	June 4	30.88
Feb. 28	33.03	Aug. 8	29.54	Nov. 4	32.44	Aug. 11	31.63
May 4	32.18	Sept. 10	31.05	Dec. 1	32.94	Sept. 10	31.81
June 12	32.01	Oct. 1	30.72	Jan. 23, 1970	33.19	Oct. 14	31.84
July 19	31.37	Nov. 6	30.83	Feb. 17	33.02	Nov. 12	32.29
Aug. 26	31.34	Dec. 11	30.61	Mar. 24	32.54	Dec. 14	32.21
	31.99	Jan. 14, 1969	31.39				

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, casing information not available. 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: 1947-71.

440422N0911829.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1967	138.55	Mar. 28, 1968	140.90	June 10, 1969	140.31	Aug. 18, 1970	141.28
Mar. 2	138.36	Apr. 25	140.66	July 17	140.03	Oct. 1	140.96
Apr. 12	135.54	June 26	138.66	Aug. 20	140.90	Nov. 9	139.80
May 17	137.90	July 30	139.76	Sept. 24	141.44	Jan. 6, 1971	139.65
June 13	138.38	Aug. 27	140.58	Oct. 21	141.40	Feb. 19	139.95
July 13	139.71	Sept. 25	140.31	Dec. 2	141.02	Mar. 23	139.02
Aug. 8	139.29	Nov. 7	141.10	Jan. 8, 1970	141.30	Apr. 29	138.45
Sept. 12	140.39	Dec. 18	141.39	Feb. 10	142.06	June 9	138.54
Oct. 19	140.84	Jan. 23, 1969	141.97	Mar. 10	140.58	July 16	139.93
Nov. 30	140.76	Feb. 25	141.50	Apr. 15	140.44	Aug. 23	139.04
Jan. 11, 1968	142.05	Apr. 2	139.25	June 4	138.77	Oct. 1	140.09
Feb. 22	141.24	May 8	139.15	July 7	140.32	Nov. 17	139.82

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 48.31 below lsd, Nov. 17, 1971; lowest 57.11 below lsd, Mar. 16, 1965. Records available: 1953-71. Water levels affected by pumping of nearby wells.

Jan. 24, 1967	53.82	Apr. 24, 1968	54.02	Apr. 3, 1969	51.78	Aug. 18, 1970	52.74
Apr. 12	52.50	July 30	53.69	June 10	51.15	Oct. 1	52.88
June 13	52.00	Aug. 28	53.21	Aug. 19	51.36	Feb. 10, 1971	52.82
Aug. 8	53.58	Sept. 26	52.90	Oct. 21	51.42	Oct. 1	52.88
Oct. 18	53.80	Nov. 7	52.49	Dec. 2	51.57	Nov. 15	48.50
Feb. 21, 1968	53.50	Jan. 23, 1969	52.32	Jan. 7, 1970	51.78	17	48.31
Mar. 28	53.79	Feb. 25	52.23	Feb. 10	51.95		

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, casing information not available. Lsd 1,260 ft above msl. MP top of breather pipe, at lsd. Highest water level 121.05 below lsd, Sept. 28, 1971; lowest 149.60 below lsd, June 9, 1965. Records available: 1957-71.

Jan. 17, 1967	140.69	Apr. 26, 1968	142.30	June 11, 1969	132.88	Aug. 17, 1970	124.09
Feb. 20	145.97	June 3	142.39	July 22	130.70	Sept. 30	123.82
Apr. 13	141.28	July 19	140.82	Sept. 23	127.55	Nov. 9	123.70
June 12	141.82	Aug. 28	139.11	Oct. 20	127.06	Jan. 5, 1971	124.10
Aug. 10	143.20	Sept. 24	138.22	Dec. 1	126.33	Feb. 9	124.40
Sept. 13	142.04	Nov. 5	139.19	Jan. 6, 1970	125.64	Mar. 23	125.19
Oct. 20	141.21	Dec. 16	137.35	Feb. 11	125.54	Apr. 28	124.19
Dec. 1	140.75	Jan. 21, 1969	136.63	Mar. 9	126.16	June 7	123.09
Jan. 12, 1968	141.19	Mar. 4	137.00	Apr. 10	125.38	July 20	126.36
Feb. 29	142.04	Apr. 22	135.87	June 3	125.35	Sept. 28	121.05
Mar. 29	142.03	May 9	134.74	July 6	125.01	Dec. 2	123.70

Vilas County

455814N0891303.1. Local number V1-40/10/10-21. U.S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 14 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: 1944-71. Water-level measurements reported in the following table are monthly lows.

Jan. 30, 1967	14.55	Apr. 15, 1968	14.43	July 15, 1969	12.87	Oct. 19, 1970	14.98
Feb. 27	14.65	May 6	14.36	Aug. 25	12.98	Nov. 30	14.94
Mar. 6	14.89	June 4	14.25	Sept. 22	13.28	Dec. 7	14.91
Apr. 3	13.80	July 1	13.19	Oct. 27	13.60	Jan. 25, 1971	14.93
May 29	12.99	Aug. 26	12.59	Nov. 24	13.76	Feb. 23	15.03
June 12	13.05	Sept. 30	12.84	Dec. 29	14.00	Mar. 29	15.19
July 24	12.94	Oct. 28	13.04	Jan. 26, 1970	14.17	Apr. 5	15.22
Aug. 28	13.40	Nov. 25	13.19	Feb. 23	14.35	May 3	13.64
Sept. 25	13.66	Dec. 30	13.32	Mar. 30	14.59	June 28	13.64
Oct. 31	13.92	Jan. 27, 1969	13.60	Apr. 6	14.64	July 26	13.81
Nov. 27	14.02	Feb. 24	13.76	May 4	14.29	Aug. 30	14.07
Dec. 27	14.12	Mar. 31	13.93	June 1	14.20	Sept. 27	14.25
Jan. 29, 1968	14.38	Apr. 7	13.97	July 27	14.14	Oct. 26	14.33
Feb. 19	14.42	May 5	12.73	Aug. 31	14.53	Nov. 29	14.45
Mar. 11	14.66	June 30	12.80	Sept. 28	14.76	Dec. 21	14.56

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 10 to 8 in (previously reported 8 to 10 in), depth 820 ft, cased 10-in O-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 178.19 below lsd, Sept. 17, 1970. Records available: 1962-71.

Jan. 7, 1967	147.60	June 28, 1967	150.61	Dec. 15, 1967	151.00	June 21, 1968	157.13
Feb. 14	145.73	Aug. 7	149.82	Jan. 28, 1968	150.97	July 19	157.26
Mar. 23	146.04	Sept. 1	151.13	Mar. 5	151.34	Sept. 26	159.44
Apr. 13	146.43	Oct. 3	151.40	Apr. 11	152.05	Nov. 5	158.96
May 11	146.97	Nov. 11	150.79	May 10	154.64	Dec. 13	161.59

423532N0882546.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1969	158.48	Oct. 29, 1969	166.15	June 29, 1970	164.69	Apr. 23, 1971	166.16
Feb. 26	161.37	Dec. 9	165.57	Sept. 17	178.19	June 3	166.33
Mar. 25	162.10	Jan. 6, 1970	165.83	Nov. 12	172.50	July 14	171.67
May 7	162.40	Feb. 18	164.42	Dec. 16	172.06	Sept. 29	170.63
June 2	163.27	Apr. 2	163.18	Jan. 29, 1971	171.06	Nov. 12	169.68
July 16	163.26	May 5	164.17	Mar. 12	165.48	Dec. 29	169.33

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 1 1/2 in, depth 18 ft, cased to 16, well point 16-18. Lsd 1.06 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 2.60 below lsd, Sept. 3, 1957; lowest 6.50 below lsd, Feb. 22, Mar. 29, 1971. Records available: 1948-69, 1971. No measurement made in 1970. Water-level measurements reported in the following table are monthly lows.

Jan. 30, 1967	5.46	Jan. 22, 1968	4.99	Dec. 9, 1968	4.67	Feb. 22, 1971	6.50
Feb. 20	5.52	Feb. 19	5.05	Jan. 27, 1969	4.67	Mar. 29	6.50
Mar. 13	5.50	Mar. 11	4.99	Feb. 17	4.67	Apr. 5	6.31
Apr. 3	4.90	Apr. 1	4.60	Mar. 10	4.61	May 31	5.93
May 29	4.54	May 6	3.74	Apr. 7	4.22	June 7	6.31
June 5	4.40	June 3	3.48	May 19	4.14	July 5	5.83
July 24	3.93	July 25	3.05	June 16	3.65	Aug. 30	4.96
Aug. 7	3.83	Aug. 26	3.60	July 21	3.47	Sept. 27	5.84
Sept. 25	3.74	Sept. 2	3.63	Aug. 25	3.76	Oct. 11	6.29
Oct. 23	4.67	Oct. 28	3.73	Sept. 15	6.20	Nov. 22	5.89
Nov. 27	4.87	Nov. 25	4.38	Jan. 11, 1971	6.08	Dec. 20	6.19
Dec. 25	4.97						

Waukesha County

425535N0881317.1. Local number Wk-5/19/2-31. William M. Poss. 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: 1947-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	133.68	133.71	133.89	133.58	133.76	133.99	133.87	134.32	134.57	134.92	134.87	134.90
10	133.76	133.60	133.88	133.70	133.69	133.85	133.85	134.44	134.61	134.88	134.83	134.98
15	133.73	133.70	134.02	133.63	133.64	133.86	134.08	134.46	134.63	134.87	134.91	135.12
20	133.74	133.75	133.84	133.66	133.75	133.81	134.15	134.42	134.65	134.86	134.94	135.04
25	133.92	133.93	133.78	133.78	133.74	133.92	134.12	134.50	134.73	134.77	134.86	134.98
Eom	133.67	133.91	133.74	133.59	134.00	133.75	.....	134.55	134.78	134.87	135.02	135.12

1968

5	.....	135.16	135.25	135.37	135.15	.....	.....	134.03	.....	.....	134.45	134.53
10	.....	.....	135.40	135.40	135.13	.....	.....	134.06	.....	.....	134.54	.....
15	.....	.....	135.33	135.45	134.98	.....	.....	134.05	134.23	.....	134.50	.....
20	.....	.....	135.36	135.34	134.98	.....	.....	134.08	134.24	.....	134.55	.....
25	.....	.....	135.30	135.19	.....	.....	.....	.....	134.16	.....	134.59	.....
Eom	135.18	135.21	135.42	135.12	.....	.....	134.00	134.16	134.26	134.43	134.64	134.57

1969

5	.....	134.32	134.10	133.94	.....	133.07	.....	132.00	132.33	132.67	132.56	132.72
10	.....	.....	.....	.....	.....	.....	.....	132.05	132.42	132.58	132.60	132.61
15	.....	.....	.....	.....	.....	.....	.....	132.13	132.38	132.63	132.61	132.74
20	.....	134.43	134.02	.....	.....	.....	.....	132.24	132.55	132.57	132.74	132.69
25	.....	134.39	133.96	.....	133.09	.....	.....	132.41	132.51	132.78	132.77	132.73
Eom	134.43	134.34	134.12	.....	133.13	.....	131.96	132.41	132.51	132.80	132.70	132.76

1970

5	132.87	133.30	133.04	132.89	132.76	132.26	132.59	132.87	133.13	133.05	133.13	133.33
10	132.89	133.10	132.95	132.82	132.61	132.29	132.68	132.98	133.35	133.19	133.23	133.37
15	132.88	133.16	132.99	132.79	132.55	132.24	132.59	132.18	133.07	133.29	133.26	133.32
20	132.98	133.24	132.81	132.54	132.51	132.42	132.66	133.19	132.98	133.25	133.17	133.36
25	132.94	133.12	132.84	132.66	132.38	132.47	132.80	133.33	133.05	133.17	133.26	133.33
Eom	133.15	133.15	132.90	132.62	132.42	132.50	132.73	133.38	133.08	133.23	133.31	133.46

1971

5	133.45	133.44	132.74	132.08	131.56	131.82	132.36	132.69	133.10	132.99	133.35	133.27
10	133.43	.....	132.56	131.91	131.71	132.04	132.15	132.85	133.00	133.20	133.10	133.16
15	133.55	133.58	132.37	131.69	131.65	132.12	132.66	132.71	133.16	133.22	133.28	133.03
20	133.53	133.48	132.21	131.62	131.73	132.15	132.42	132.81	133.15	133.11	133.07	132.93
25	133.46	133.21	132.20	131.66	131.62	132.05	132.40	132.65	133.32	133.08	133.27	132.87
Eom	133.48	133.15	131.99	131.63	131.91	132.53	132.51	132.87	133.03	133.18	133.32	132.72

430049N0881313.1. Local number Wk-6/19/2-14. New Tribes Mission. State Hwy. 59 and County Hwy. "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, casing information not available. Lsd 875.03 ft above msl. MP top of casing, at lsd. Highest water level 249.86 below lsd, July 6, 1947; lowest 405.41 below lsd, Oct. 23, 1971. Records available: 1946-71. Water levels affected primarily by pumping of nearby municipal wells.

430049N0881313.1--Continued.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	352.86	354.70	355.07	353.24	.....	357.92	356.64	362.28	365.19	368.54	367.72	362.86
10	354.60	351.06	357.33	354.81	.....	359.63	359.34	363.53	364.55	367.00	365.76	361.53
15	354.32	352.36	354.46	355.17	.....	360.15	362.25	363.89	366.67	366.80	365.05	367.13
20	355.82	353.71	354.99	355.81	.....	361.96	363.63	365.52	367.96	367.26	365.04	.....
25	351.46	355.97	353.42	358.26	359.38	362.46	362.89	367.24	366.65	367.28	361.70	.....
Eom	353.51	355.70	.....	358.76	357.67	361.46	.....	366.52	368.43	366.12	362.95	362.03

1968

5	363.57	365.00	.....	367.40	368.56	371.19	375.71	377.36	379.01	375.49	378.05	377.45
10	.....	366.10	.....	367.78	369.57	375.05	374.56	377.04	378.29	376.79	376.94	375.84
15	.....	366.78	.....	365.49	369.31	377.82	374.06	377.61	377.94	373.85	377.33	377.77
20	364.46	.....	365.36	366.83	369.71	.....	378.22	379.65	378.24	375.41	377.25	378.80
25	365.24	.....	365.52	366.95	371.70	374.87	377.76	379.75	373.99	375.02	377.66	376.16
Eom	365.51	363.64	364.92	365.56	368.77	376.18	376.96	379.68	372.79	375.63	379.77	373.51

1969

5	372.76	377.19	377.96	376.92	368.67	375.08	374.54	376.36	386.14	385.30	384.09	376.50
10	373.88	.....	377.35	373.34	369.02	375.32	376.44	372.06	386.37	386.54	382.82	375.94
15	376.12	.....	378.19	378.12	380.98	377.30	376.76	378.51	385.94	384.84	384.65	375.32
20	373.52	376.14	377.13	375.26	369.92	371.66	380.57	380.33	386.82	381.16	383.23	376.54
25	375.80	377.47	375.51	373.80	374.54	370.30	377.89	383.87	386.19	383.22	376.14	373.73
Eom	377.28	378.42	377.34	369.89	378.48	370.50	377.73	386.16	384.59	383.93	374.61	374.28

1970

5	374.24	379.80	378.19	376.17	379.72	379.64	389.13	387.10	398.68	394.50	393.22	387.41
10	376.56	379.26	377.21	380.12	379.73	381.37	389.74	387.99	394.80	393.88	391.03	386.29
15	378.27	379.30	377.16	379.72	380.48	383.62	381.75	392.94	391.35	384.84	389.81	384.66
20	377.74	380.65	376.72	379.89	380.44	383.33	392.20	395.30	392.56	391.93	388.36	384.81
25	375.93	381.16	375.90	382.84	381.36	385.88	391.38	394.17	393.50	390.06	387.24	385.13
Eom	381.39	381.99	375.41	382.40	378.78	386.77	387.42	397.16	395.61	395.41	385.13	.....

1971

5	.....	378.44	385.37	385.49	389.05	390.71	398.59	396.36	401.69	402.23	402.26	398.47
10	.....	381.75	381.81	384.57	389.70	390.69	398.92	400.50	398.92	402.99	401.98	402.78
15	.....	382.00	380.19	386.59	392.78	392.16	400.07	400.50	404.33	404.11	401.87	398.42
20	378.95	382.40	382.53	385.35	393.24	395.35	400.90	401.81	402.90	404.61	401.36	398.51
25	379.13	383.71	384.34	386.30	393.37	396.06	399.72	401.62	403.99	403.18	400.73	398.63
Eom	378.53	385.12	384.02	387.78	391.09	396.83	395.89	401.91	402.81	402.79	398.60	397.27

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, 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: 1950-71. Water-level measurements reported in the following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21, 1967	14.57	Apr. 13, 1968	14.20	July 26, 1969	11.90	Oct. 17, 1970	14.27
Feb. 4	14.60	May 25	13.40	Aug. 9	13.04	Nov. 21	13.60
Mar. 11	13.82	June 22	13.38	Sept. 20	13.90	Dec. 5	13.71
Apr. 15	13.80	July 27	13.63	Oct. 18	14.00	Jan. 23, 1971	13.98
May 27	12.89	Aug. 31	13.72	Nov. 22	13.95	Feb. 20	14.20
June 17	12.89	Sept. 7	13.39	Dec. 27	14.00	Mar. 6	13.91
July 15	12.97	Oct. 26	13.47	Jan. 17, 1970	14.14	Apr. 3	12.80
Aug. 26	13.97	Nov. 16	13.83	Feb. 21	14.70	May 15	12.57
Sept. 23	13.97	Dec. 28	14.18	Mar. 21	14.54	June 19	13.03
Oct. 21	13.97	Jan. 11, 1969	14.02	Apr. 11	14.50	July 24	13.78
Nov. 25	13.88	Feb. 22	14.00	May 9	14.12	Aug. 23	14.08
Dec. 30	14.27	Mar. 22	14.10	June 27	13.40	Sept. 4	14.15
Jan. 27, 1968	14.60	Apr. 5	13.67	July 25	14.12	Oct. 16	14.29
Feb. 24	14.57	May 10	12.86	Aug. 29	14.52	Nov. 20	13.96
Mar. 2	14.76	June 21	12.83	Sept. 5	14.58	Dec. 4	13.90

Waushara County

440713N0893208.1. Local number Ws-19/8/15-8. 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: 1951-71.

Lowest water level for the day, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.75	13.00	13.28	.....	12.21	12.41	12.12	12.10	12.39	12.66	12.91	13.17
10	12.79	13.05	13.34	12.10	12.22	12.44	12.05	12.13	12.43	12.69	12.94	13.19
15	12.83	13.10	13.38	12.09	12.25	12.46	12.02	12.19	12.46	12.75	12.99	13.23
20	12.89	13.15	13.41	12.13	12.29	12.43	12.00	12.26	12.47	12.80	13.03	13.27
25	12.91	13.21	13.45	12.17	12.31	12.30	11.96	12.30	12.51	12.81	13.06	13.30
Eom	12.96	13.24	.....	12.18	12.36	12.20	12.01	12.36	12.56	12.87	13.13	13.33

440713N0893208.1--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.39	13.44	13.78	14.00	14.03	13.43	12.86	12.43	12.57	12.30	12.38	12.62
10	13.43	13.53	13.67	14.01	13.91	13.35	12.71	12.43	12.53	12.29	12.43	12.66
15	13.45	13.61	13.80	14.04	13.88	13.30	12.63	12.44	12.47	12.28	12.45	12.70
20	13.49	13.65	13.84	14.05	13.82	13.24	12.54	12.49	12.39	12.26	12.50	12.72
25	13.51	13.69	13.88	14.07	13.73	13.18	12.48	12.54	12.35	12.26	12.55	12.71
Eom	13.55	13.74	13.93	14.07	13.56	13.05	12.43	12.55	12.34	12.34	12.59	12.75
1969												
5	12.79	13.10	13.36	13.06	11.89	11.49	11.27	10.99	11.30	11.55	11.79	11.88
10	12.88	13.11	13.39	12.64	11.79	11.46	11.19	11.08	11.35	11.60	.....	11.89
15	12.95	13.25	13.45	12.41	11.74	11.45	11.11	11.15	11.38	11.62	.....	11.94
20	12.98	13.28	13.45	12.26	11.68	11.45	11.02	11.23	11.41	11.66	11.80	11.97
25	13.00	13.33	13.37	12.09	11.64	11.46	11.00	11.29	11.45	11.77	11.81	12.01
Eom	13.05	13.35	13.22	12.01	11.58	11.40	10.99	11.33	11.50	11.79	11.84	12.07
1970												
5	12.12	12.36	12.60	12.76	12.96	12.10	11.45	11.90	12.30	12.25	12.27	12.01
10	12.15	12.41	12.63	12.79	13.00	11.78	11.61	11.97	12.30	12.22	12.26	12.00
15	12.19	12.46	12.65	12.83	13.04	11.63	11.67	12.02	12.30	12.22	12.19	12.00
20	12.23	12.56	12.68	12.87	13.05	11.56	11.73	12.07	12.30	12.25	12.12	12.00
25	12.29	12.56	12.67	12.88	13.05	11.51	11.78	12.15	12.30	12.25	12.10	12.00
Eom	12.31	12.60	12.73	12.91	13.11	11.43	11.85	12.25	12.28	12.26	12.05	12.04
1971												
5	12.09	.....	12.52	12.30	11.27	10.75	10.64	10.89	11.16	11.20	11.16	11.29
10	12.12	12.37	12.58	11.96	11.21	10.74	10.68	10.95	11.20	11.20	11.21	11.30
15	.....	12.40	12.60	11.64	11.18	10.72	10.70	11.00	11.21	11.15	11.24	11.29
20	.....	12.43	12.61	11.52	11.05	10.72	10.75	11.01	11.25	11.16	11.23	11.31
25	.....	12.46	12.63	11.41	10.92	10.66	10.75	11.09	11.28	11.16	11.25	11.25
Eom	.....	12.49	12.64	11.34	10.85	10.64	10.81	11.11	11.30	11.17	11.28	11.15

441414N0890911.1. Local number Ws-20/11/2-53. Merle Knox. Formerly 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. Lsd 923 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 35.42 below lsd, July 23, 1969; lowest 40.41 below lsd, Mar. 4, 1959. Records available: 1956-71.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1967	37.82	Apr. 18, 1968	38.02	July 23, 1969	35.42	Oct. 20, 1970	37.41
Feb. 9	38.38	May 22	37.47	Aug. 25	35.93	Dec. 15	37.28
Mar. 10	38.01	June 19	37.21	Sept. 16	36.10	Jan. 28, 1971	37.83
Apr. 13	37.16	July 24	36.40	Oct. 21	36.23	Feb. 25	37.29
May 19	37.04	Aug. 22	36.74	Nov. 26	36.91	Mar. 23	37.03
June 16	37.12	Sept. 18	36.41	Dec. 17	37.10	Apr. 27	36.68
July 19	36.83	Oct. 24	37.07	Jan. 27, 1970	37.48	May 18	37.10
Aug. 17	37.64	Nov. 21	37.20	Mar. 23	36.86	June 14	35.89
Sept. 21	37.41	Dec. 16	37.34	Apr. 21	36.81	July 20	36.26
Oct. 19	37.59	Jan. 20, 1969	37.51	May 27	36.83	Aug. 23	36.66
Nov. 16	37.91	Feb. 24	37.48	June 23	36.03	Sept. 25	36.87
Dec. 21	37.72	Mar. 24	37.39	July 22	36.41	Oct. 19	36.99
Jan. 18, 1968	38.14	Apr. 21	36.50	Aug. 13	36.64	Nov. 16	37.08
Feb. 22	37.98	May 26	36.13	Sept. 16	37.03	Dec. 14	36.84
Mar. 28	38.09	June 17	35.76				

## Winnebago County

440122N0883246.1. Local number W4-18/16/23-6. 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, casing information not available. Lsd 765 ft above msl. MP top of 1-in pipe, at lsd. Highest water level 20.62 below lsd, Apr. 21, 1969; lowest 39.75 below lsd, Sept. 1, 1960. Records available: 1950-71. Water levels affected by pumping of nearby wells.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1967	28.12	Feb. 19, 1968	28.38	Mar. 24, 1969	21.83	Apr. 20, 1970	23.65
Feb. 7	27.92	Mar. 25	29.10	Apr. 21	20.62	May 26	23.52
Mar. 7	28.73	Apr. 15	28.63	May 22	21.21	June 22	24.01
Apr. 11	25.81	May 23	26.84	June 18	22.92	July 20	25.84
May 17	32.37	June 20	30.07	July 23	25.57	Aug. 24	27.25
June 12	26.74	July 22	30.91	Aug. 25	27.49	Sept. 22	25.38
July 17	28.78	Aug. 19	30.40	Sept. 16	26.28	Nov. 16	21.88
Aug. 15	30.34	Sept. 19	30.65	Oct. 27	21.92	Feb. 23, 1971	23.93
Sept. 19	31.74	Oct. 21	27.68	Nov. 24	22.57	May 17	21.73
Oct. 17	28.87	Nov. 18	29.05	Dec. 15	23.15	July 20	25.37
Nov. 13	25.64	Dec. 16	30.15	Jan. 28, 1970	23.34	Oct. 18	26.09
Dec. 18	24.94	Jan. 15, 1969	31.01	Mar. 24	22.88	Dec. 17	22.75
Jan. 15, 1968	28.19	Feb. 24	23.70				