

Ground-Water Levels in the United States, 1972-74

North-Central States

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 2163

*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

CECIL D. ANDRUS, *Secretary*

GEOLOGICAL SURVEY

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PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the States of Iowa, Kansas, Minnesota, Nebraska, North Dakota, South Dakota, and Wisconsin, and with other agencies, by personnel of the Water Resources Division, J. S. Cragwall, Jr., chief hydrologist, G. W. Whetstone, assistant chief hydrologist for Scientific Publications and Data Management, under the general direction of G. A. Billingsley, chief, Reports Section, and C. B. Ham, chief, Data Reports Unit.

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GROUND-WATER LEVELS IN THE UNITED STATES 1972-74

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 have 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 (1) a 15-digit number based on latitude and longitude, and (2) a local number that is provided for continuity with older reports and for other use as dictated by local needs. The first 6 digits of the 15-digit number are degrees, minutes, and seconds of north latitude; the next 7 digits are degrees (including a leading zero for those less than 100), minutes, and seconds of west longitude; and the final 2 digits are sequential numbers assigned in the order in which the wells (or other hydrologic sites) are established in that 1-second quadrangle. This system provides both the geographic location and a unique number for each well.

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 (lstd). 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).

In the well description, dimensions are given in International System Units (SI) as well as in English units. The factor 0.3048 is used to convert feet to meters; the factor 2.54

is used to convert inches to centimeters; and the factor 1.609 is used to convert miles to kilometers.

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, 1940-74

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1266	1267	1268	1269	1270
1954	1321	1322	1323	1324	1325	1326
1955	1404	1405	1406	1407	1408	1409
1956	....	....	1456	....	....	....
1956-57	1537	....	....	....	....	....
1956-58	....	1538	....	....	....	....
1956-59	....	....	....	1549	....	....
1956-60	....	....	....	....	1760	1770
1957-61	....	....	1781	....	....	....
1958-62	1782	....	....	....	....	....
1959-63	....	1803	....	....	....	....
1960-64	....	....	....	1824	....	....
1961-65	....	....	....	....	1845	1855
1962-66	....	....	1976	....	....	....
1963-67	1977	....	....	....	....	....
1964-68	....	1978	....	....	....	....
1965-69	....	....	....	1979	....	....
1966-70	....	....	....	....	1980	2010
1967-71	....	....	2090	....	....	....
1968-72	2140	....	....	....	....	....
1969-73	....	2171	....	....	....	....
1970-74	....	....	....	2172	....	....
1971-74	....	....	....	....	2161	2162
1972-74	....	....	2163	....	....	....

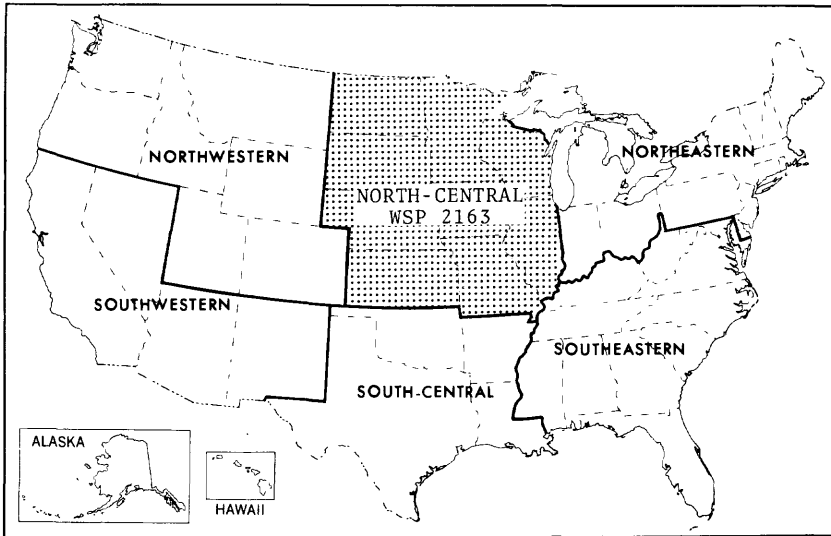


Figure 1. Map of the United States showing States for which records of water levels are published in this volume

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 identification 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 1/4-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

41220094090301. Local number 16N-05E-16.00. Perry Precinct. #26 First St., Princeton. Unlined water-table well in glacial drift, diam 22 in (56 cm), depth 29 ft (9 m), fitted with brick. Lod 694 ft (213 m) above msl. Non-recording gage installed Nov. 1, 1942; gage read 10.0 ft (3.0 m) below lsd. Highest water level 11.24 ft (3.42 m) below lsd, May 15, 1943; lowest 12.12 ft (3.72 m) below lsd, Mar. 30, 1947. Records available: 1942-74.

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
Jan. 10, 1972	9.35	Oct. 10, 1972	7.00	July 10, 1973	7.77	Apr. 10, 1974	7.00
20	9.02	20	6.24	20	5.03	20	5.00
Feb. 10	10.68	Nov. 10	6.58	Aug. 10	7.15	10	5.00
20	10.40	20	6.25	20	7.45	20	5.00
Mar. 10	9.00	Dec. 10	6.34	Sept. 10	6.31	June 10	5.00
20	7.35	20	6.24	10	7.07	10	5.00
Apr. 10	6.62	Jan. 10, 1973	6.06	10	6.84	10	5.00
20	6.28	20	6.00	20	4.68	20	5.00
May 10	4.82	Feb. 10	7.00	Nov. 10	10.00	Aug. 10	5.00
20	6.01	20	6.00	20	10.46	20	5.00
June 10	7.50	Mar. 10	5.75	Dec. 10	5.64	Sept. 10	5.00
20	5.61	20	5.52	20	5.46	20	5.00
July 10	6.65	Apr. 10	4.75	Jan. 10, 1974	6.35	Oct. 10	5.00
20	6.15	20	4.00	20	6.29	20	5.00
Aug. 10	6.52	May 10	5.00	Feb. 10	7.25	Nov. 10	5.00
20	6.35	20	5.00	20	7.00	20	5.00
Sept. 10	7.50	June 10	6.36	Mar. 10	6.40	Dec. 10	5.00
20	8.24	20	6.45	20	6.25	20	5.00

LaSalle County

41423606753330. Local number 37N-11E-08.00. Warsaw National Precinct. Drilled water-table well in Niagara dolomite of Middle Silurian age, diam 10 in (25 cm), depth 100 ft (30 m), cased to 56 ft (16 m). Lod 705 ft (215 m) above msl. NF top of casing, 440 ft (134 m) below lsd. Highest water level 57.79 ft (17.61 m) below lsd, May 1, 1960; lowest 58.00 ft (17.68 m) below lsd, Sept. 10, 1971. Records available: 1958-74. Water levels are related to local datum wells.

Lowest water (24.1 feet) May 1, 1960; highest (44.4 feet) Sept. 10, 1971.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
5	84.35	84.34	84.40	84.40	82.00	81.00	80.00	79.00	78.00	77.00	76.00	75.00
10	83.00	84.00	84.00	83.04	82.77	81.00	80.47	79.00	78.00	77.00	76.00	75.00
15	84.51	84.14	83.72	83.00	82.00	81.12	80.32	79.00	78.00	77.00	76.00	75.00
20	84.11	84.17	83.90	83.23	83.05	82.41	81.14	80.75	79.00	78.00	77.00	76.00
25	84.57	84.12	83.90	83.22	82.00	81.00	80.00	79.00	78.00	77.00	76.00	75.00
End	84.32	83.03	83.69	82.99	82.00	81.00	80.00	79.00	78.00	77.00	76.00	75.00



Figure 2.-- Distribution of observation wells in Illinois, 1972-74.

414236087583301--Continued.

1973												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	83.25	83.07	82.80	82.24	81.59	.....	82.86	84.14	85.60	86.03	85.28	85.10
10	83.16	83.28	82.75	82.31	81.72	81.95	85.25	85.29	85.72	85.75	85.57	84.99
15	83.37	83.13	.....	82.07	81.47	82.54	84.47	84.92	85.75	85.44	85.07	85.16
20	84.42	83.95	82.71	82.23	81.43	83.12	85.19	85.40	85.85	85.57	85.32	84.78
25	83.29	82.95	82.08	82.14	81.50	84.98	84.20	85.22	85.98	85.22	84.77	84.36
Eom	83.18	83.29	82.25	81.76	.....	82.69	84.14	86.07	85.40	84.76	85.37	84.21
1974												
5	84.30	83.86	83.64	83.25	82.43	82.42	83.08	84.62	85.32	85.45	85.48	85.60
10	83.98	83.78	83.80	82.52	82.70	82.74	84.01	84.66	85.80	85.72	85.12	85.50
15	84.07	84.10	83.30	82.80	82.63	82.36	84.10	85.38	86.20	85.57	85.60	85.30
20	83.68	84.17	83.18	82.72	82.42	82.58	84.42	84.88	86.14	85.76	85.70	85.40
25	84.20	84.72	83.24	82.14	82.41	82.82	85.05	85.66	85.36	85.52	85.60	85.34
Eom	84.16	83.74	82.92	82.92	82.45	82.75	84.97	85.02	85.56	85.92	85.48	85.15

e Estimated.

414217097592801. Local number 37N-11E-QK1. Argonne National Laboratory. Drilled unused artesian well in Niagara Dolomite of Middle Silurian age, diam 4 in (10 cm), depth 140 ft (43 m), cased to 90 ft (27 m). Lsd 733 ft (223 m) above msl. MP top of casing, 0.31 ft (0.09 m) above lsd. Highest water level 88.97 ft (27.12 m) below lsd, May 27, 1951; lowest 98.25 ft (29.95 m) below lsd, Dec. 30, 1974. Records available: 1948-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	97.27	97.57	97.64	97.06	96.60	96.74	97.22	97.51	97.35	97.14	97.01	96.62
10	97.13	97.67	97.77	96.93	96.63	96.97	97.25	97.43	97.33	97.19	96.90	96.94
15	97.58	97.49	97.48	96.76	96.30	96.94	97.31	97.44	97.20	97.28	96.99	96.82
20	97.37	97.60	97.32	.....	96.42	96.94	97.50	97.49	97.33	97.20	97.00	96.67
25	97.64	97.55	97.25	96.85	96.51	96.94	97.51	97.45	97.18	97.02	96.72	96.75
Eom	97.44	97.45	97.04	96.68	96.61	96.97	97.50	97.49	97.14	97.01	96.73	96.74
1973												
5	96.94	96.60	96.49	96.08	95.73	95.58	.....	96.83	97.32	97.73	97.70	97.81
10	96.89	96.83	96.46	96.09	95.44	95.71	.....	.....	97.37	97.55	97.23	97.88
15	96.89	96.79	96.26	96.03	95.67	95.81	.....	.....	97.39	97.52	97.58	97.86
20	96.74	96.66	96.26	95.92	95.53	96.01	96.61	.....	97.49	96.64	97.61	.....
25	96.61	96.64	95.98	95.74	95.44	95.74	96.72	97.26	97.52	97.45	97.52	97.68
Eom	96.60	96.65	96.19	95.61	95.61	95.97	96.76	97.34	.....	97.35	98.01	97.74
1974												
5	97.82	97.49	96.96	96.76	96.40	96.08	96.31	97.05	97.39	97.60	97.65	97.86
10	97.73	97.36	97.22	96.81	96.46	96.10	96.44	97.07	97.39	97.59	97.75	97.80
15	97.68	97.36	96.89	96.51	96.40	96.12	96.57	97.17	97.44	97.60	97.51	97.77
20	97.62	97.26	96.93	96.74	96.47	96.17	96.71	97.20	97.42	97.75	97.60	97.73
25	97.79	97.24	97.07	96.75	96.31	96.23	96.80	97.25	97.46	97.71	97.78	97.90
Eom	97.70	97.21	96.84	96.56	96.08	96.22	96.98	97.24	97.45	97.62	97.91	97.94

e Estimated.

IOWA

The observation-well program in Iowa was continued from 1972 through 1974 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 75-30-17bob designates the well in the NW¼SW¼NW¼ sec. 17, T.75 N., R.30 W.

Well Descriptions and Water-Level Measurements

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

Adair County

411749034201801. Local number 75-30-17bcb1. Formerly 75-30-17edb1. F. E. Robert. Drilled unused water-table well in glacial drift, diam 12 in (30 cm), depth 26 ft (8 m), lined with tile. Lsd 1,267 ft (386 m) above msl. MP top of board platform, 0.90 ft (0.24 m) above lsd. Highest water level 0.13 ft (0.05 m) above lsd, Mar. 23, 1943; lowest 8.40 ft (2.56 m) below lsd, July 28, 1953. Records available: 1942-74. Feb. 15, 1972, 1.83; May 16, 1973, 0.32; Mar. 12, 1974, 0.23; July 11, 2.13.

Buena Vista County

423426095114801. Local number 90-37-34abb1. Ed Sinn. Dug unused water-table well in glacial drift, diam 4 ft (1 m), depth 29 ft (9 m), lined with rock. Lsd 1,404 ft (428 m) above msl. MP east side of concrete platform, 2.00 ft (0.61 m) above lsd. Highest water level 3.77 ft (1.15 m) below lsd, Oct. 15, 1946; lowest 18.32 ft (5.58 m) below lsd, Aug. 27, 1941. Records available: 1940-74. Jan. 15, 1972, 10.57; July 31, 7.24; Mar. 5, 1973, 6.90; Oct. 4, 9.13; Jan. 21, 1974, 8.10; Nov. 28, 11.00.

Carroll County

420335094521501. Local number 84-35-26bddb1. City of Carroll, test hole 1. Drilled observation artesian well in Dakota Sandstone of Early Cretaceous age, diam 8 in (20 cm), depth 120 ft (37 m), cased to 106 ft (32 m). Lsd 1,244 ft (379 m) above msl. MP top of casing, 5.40 ft (1.55 m) above lsd. Highest water level 34.55 ft (10.53 m) below lsd, Sept. 8, 1945; lowest 77.68 ft (23.68 m) below lsd, June 14, 1968. Records available: 1939-49, 1952-74. Jan. 14, 1970, 64.12; July 29, 65.19; June 5, 1973, 67.62; Mar. 13, 1974, 53.21; Nov. 28, 58.87.

Cerro Gordo County

430442093252801 (revised). Local number 35-22-3abb1. Knut Olson. Drilled domestic and stock artesian well in limestone of Devonian age, diam 4 in (10 cm), depth 134 ft (41 m), casing information not available. Lsd 1,260 ft (384 m) above msl. MP top of casing, 1.40 ft (0.43 m) above lsd. Highest water level 14.34 ft (4.27 m) below lsd, July 3, 1945; lowest 24.15 ft (7.36 m) below lsd, Dec. 5, 1966. Records available: 1941-71, 1973-74. No measurement made in 1972. Mar. 1, 1973, 22.15; Oct. 1, 23.05; Nov. 19, 1974, 23.80.

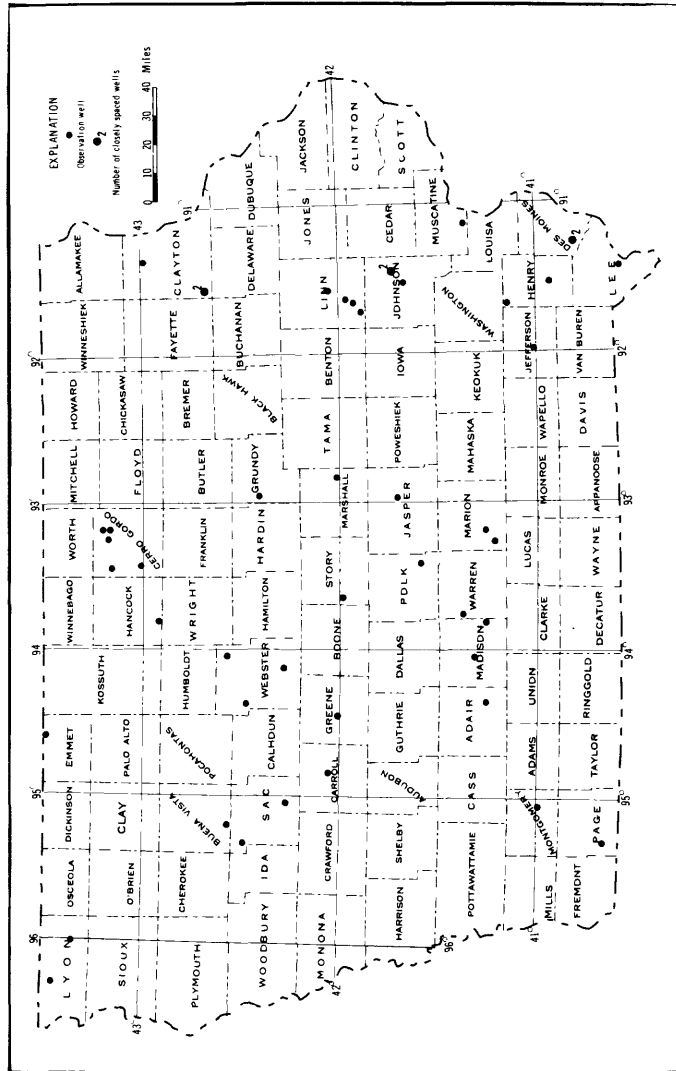


Figure 3.—Location of observation wells in Iowa, 1972-74.

IOWA, CLAYTON COUNTY

40927093114201. Local number 96-70-3edbl. Minneapolis & St. Louis RR. Co. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 1 1/2 to 10 in (30 to 25 cm), depth 805 ft (245 m), 12-in (30-cm) casing 0-30 ft (0-9 m), 10-in (25-cm) casing 314-730 ft (187-223 m). Lsd 1,120 ft (341 m) above ms1. VP top of wood cover, at lsd. Highest water level 32.71 ft (9.97 m) below lsd, May 7, 1951; lowest 50.45 ft (15.12 m) below lsd, Feb. 28, 1959. Records available: 1941-71, 1973-74. No measurement made in 1972. Mar. 1, 1973, 41.63; Oct. 1, 45.70; Jan. 23, 1974, 45.23; Nov. 18, 46.30.

430754093120501. Local number 96-20-16daal. Mason City, well 11. Drilled municipal artesian well in Jordan Sandstone of Late Cambrian age, diam 20 to 10 in (51 to 25 cm), depth 1,306 ft (398 m), 20-in (51-cm) casing 0-143 ft (0-44 m), 14-in (36-cm) casing 713-777 ft (217-237 m), 10-in (25-cm) casing 777-900 ft (237-274 m). Lsd 1,168 ft (356 m) above ms1. MP hole in well cover, 1.21 ft (0.37 m) above lsd. Highest water level 162.83 ft (49.45 m) below lsd, June 25, 1942; lowest 292.79 ft (91.07 m) below lsd, Feb. 14, 1961. Records available: 1939-42, 1947-74. Water levels affected by pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1972	280.79	July 5, 1972	290.79	Mar. 5, 1973	280.79	Mar. 4, 1974	266.79
Feb. 16	286.79	Aug. 2	280.79	May 1	279.79	Nov. 16	287.29
June 5	230.79	Sept. 5	280.79	Jan. 23, 1974	275.79		

430902093164011. Local number 96-1-12teel. Mason City & Clear Lake R.R. Drilled unused artesian well in dolomite in Cedar Valley Limestone of Middle Devonian age, diam 1 1/2 to 10 in (30 to 25 cm), depth 198 ft (60 m), casing information not available. Lsd 1,168 ft (356 m) above ms1. MP top of well curb, 2.00 ft (0.61 m) above lsd. Highest water level 1.73 ft (0.53 m) below lsd, June 28, 1951; lowest 17.25 ft (5.26 m) below lsd, Nov. 1, 1961. Records available: 1940-71, 1973-74. No measurement made in 1972. Mar. 2, 1973, 5.46; Oct. 1, 1973, 4.93; Jan. 2, 1974, 5.23; Nov. 3, 5.01.

430655093221501. Local number 96-22-20cebl. Boy Scouts of America. Drilled unused water-table well in glacial drift, diam 5 in (13 cm), depth 126 ft (38 m), casing information not available. Lsd 1,249 ft (381 m) above ms1. MP hole in side of casing, 1.30 ft (0.40 m) above lsd. Highest water level 29.65 ft (9.04 m) below lsd, Mar. 25, 1942; lowest 44.92 ft (13.66 m) below lsd, Aug. 25, 1971. Records available: 1940-71, 1973-74. No measurement made in 1972. Mar. 1, 1973, 39.84; Oct. 1, 41.36; Jan. 23, 1974, 40.07; Nov. 19, 41.50.

Clayton County

424101091320001. Local number 91-6-22acal. Howard Bowman. Dug unused water-table well in glacial drift, diam 36 in (91 cm), depth 18 ft (5 m), cased with brick. Lsd 1,321 ft (277 m) above ms1. MP top of board platform, 0.08 ft (0.02 m) above lsd. Highest water level 3.64 ft (1.08 m) below lsd, May 6, 1968; lowest 10.03 ft (3.06 m) below lsd, Jan. 24, 1965. Records available: 1957-74.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	7.61	5.16	6.55	6.60	5.35	6.48	7.12	5.79	8.00
10	7.72	.....	.....	7.38	5.10	6.65	5.84	5.84	6.94	7.42	6.35	8.14
15	e 7.81	.....	8.52	6.94	5.48	6.30	5.73	6.50	5.43	7.51	6.30	8.27
20	.....	.....	9.29	5.98	5.96	6.60	5.53	7.06	6.48	7.59	7.35	8.60
25	8.42	.....	7.94	5.47	6.10	6.31	5.91	7.31	7.24	5.43	7.58	8.64
Eom	.....	.....	7.78	5.37	6.21	6.77	6.14	7.45	6.60	5.60	7.80	8.48

1973

5	6.72	7.87	.....	.....	6.92	6.34	7.12	9.46	5.40	7.52	.....	.....
10	.....	9.08	.....	.....	5.60	6.87	7.76	9.07	7.93	7.81	.....	.....
15	.....	9.27	5.22	.....	6.38	7.11	8.09	9.28	9.31	7.75	.....	.....
20	.....	9.42	5.75	.....	7.02	6.15	8.11	8.53	8.10	8.03	.....	.....
25	7.77	.....	.....	6.31	6.64	7.91	8.04	8.26	6.99	3.34	.....	.....
Eom	7.95	.....	.....	6.89	6.57	7.32	9.37	9.60	7.34	.....	.....	.....

1974

5	.....	9.05	7.83	5.95	7.40	7.03	.....	8.12	.....	.....	4.16	8.74
10	.....	8.36	7.43	6.39	7.08	.....	.....	7.95	.....	7.30	8.40	9.06
15	.....	8.40	7.29	4.96	6.23	.....	.....	.....	.....	7.74	4.15	9.15
20	.....	8.47	7.55	5.80	5.00	.....	7.97	.....	.....	8.17	7.36	9.12
25	7.22	8.41	7.74	6.43	5.77	.....	8.00	.....	.....	8.41	4.27	9.34
Eom	7.80	6.41	6.89	6.99	6.52	.....	8.16	.....	.....	8.23	4.77	4.60

e Estimated.

424057091320001. Local number 91-6-22acal. Town of Strawberry Point, well 2. Drilled unused artesian well in dolomite of Silurian age, diam 16 to 10 in (41 to 25 cm), depth 492 ft (150 m), 16-in (41-cm) casing 0-139 ft (0-40 m), 12-in (30-cm) casing 130-161 ft (40-49 m), 10-in (25-cm) lining 229-370 ft (70-113 m). Lsd 1,210 ft (373 m) above ms1. MP top of recorder platform, 2.11 ft (0.64 m) above lsd. Highest water level 114.33 ft (34.86 m) below lsd, May 9, 1973; lowest 133.18 ft (40.59 m) below lsd, Feb. 4, 1968. Records available: 1963-74.

42405709130001--Continued.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	125.88	.....	.....	126.81	125.15	124.40	126.62	124.18	123.40	122.11	120.58	119.88
10	125.91	126.82	.....	126.80	124.25	125.50	126.10	123.35	124.34	122.47	120.11	120.85
15	126.85	126.75	.....	126.67	123.58	125.50	126.00	123.00	123.24	122.70	120.26	120.60
20	126.12	126.91	.....	126.25	124.95	125.64	126.06	123.37	122.87	122.38	119.82	120.50
25	126.78	127.13	126.73	126.09	124.49	125.90	126.06	123.54	122.80	121.60	119.40	120.48
Eom	.....	126.78	126.57	125.55	124.34	125.93	125.82	124.10	122.50	121.33	119.87	120.96

1973

5	120.77	.....	.....	.....	115.12	115.30	116.58	119.27	120.57	121.52	122.45	122.40
10	120.45	121.64	.....	.....	114.73	115.53	116.95	119.20	121.11	121.63	122.70	122.52
15	121.05	.....	.....	.....	115.19	115.02	115.50	117.74	119.37	120.96	121.67	.....
20	121.95	.....	119.12	116.07	115.55	115.98	118.12	120.02	121.03	122.20	.....	123.16
25	121.07	121.95	118.28	115.30	115.56	115.75	115.12	119.96	120.70	122.26	122.75	.....
Eom	.....	121.87	.....	115.14	115.54	116.15	119.09	120.60	121.30	121.77	123.51	.....

1974

5	.....	123.46	.....	122.25	120.17	118.88	118.57	121.68	123.60	124.63	124.94	125.20
10	.....	.....	.....	121.70	120.13	118.36	119.36	122.01	123.62	124.44	.....	125.15
15	.....	124.01	.....	121.26	120.06	118.15	120.35	122.31	123.75	124.45	.....	124.60
20	123.18	123.49	.....	120.15	119.10	119.04	120.68	122.25	124.25	125.10	.....	.....
25	123.64	.....	122.76	120.05	118.84	.....	120.74	122.65	124.09	124.86	125.40	.....
Eom	123.74	.....	.....	120.12	118.55	118.14	121.47	123.20	124.78	124.65	125.20	.....

425940091194701. Local number 95-4-32dddl. Milton and Willis Meier. Drilled stock artesian well in St. Peter Sandstone of Middle Ordovician age, diam 6 in (15 cm), reported depth 380 ft (116 m), iron casing. Lsd 1,090 ft (332 m) above msl. MP plug in pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 82.56 ft (25.16 m) below lsd, Oct. 8, 1974; lowest 126.56 ft (38.58 m) below lsd, Jan. 13, 1969. Records available: 1957-74. July 19, 1972, 108.48; Feb. 6, 1973, 103.03; Sept. 13, 88.56; Feb. 4, 1974, 90.62; Oct. 8, 82.56.

Des Moines County

404844091142701. Local number 69-3-6abab1. Iowa Ordnance Plant, well 3. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 15 in (41 cm), depth 1,209 ft (369 m), cased 0-855 ft (0-261 m). Lsd 717 ft (219 m) above msl. MP top of recorder platform, 1.61 ft (0.49 m) above lsd. Highest water level 162.70 ft (49.59 m) below lsd, Mar. 27, 1950; lowest 104.99 ft (59.43 m) below lsd, Aug. 26, 1974. Records available: 1950-74.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	189.35
10	189.18	189.55
15	189.76	.....
20	189.41	.....
25	189.13	.....
Eom	189.31	.....

1973

5	.....	.....	.....	189.48	189.29	189.25	.....	190.83	190.95	190.60	190.68	191.07
10	.....	.....	.....	189.47	189.40	189.14	190.75	190.82	190.90	191.04	190.68	190.87
15	.....	.....	.....	189.44	189.16	189.13	190.81	190.97	190.95	190.99	191.03	190.92
20	.....	.....	.....	189.45	189.27	.....	190.81	190.44	190.94	190.86	191.01	190.85
25	.....	.....	.....	189.44	189.38	.....	190.83	190.97	191.05	191.00	190.97	191.10
Eom	.....	.....	189.73	189.41	189.17	.....	190.86	190.98	191.04	191.05	190.83	190.84

1974

5	190.78	190.52	190.94	191.57	192.00	192.00	192.45	.....	194.75	194.27	.....	193.61
10	190.68	.....	191.47	191.49	192.08	191.92	.....	.....	194.51	.....	.....	.....
15	190.50	190.99	191.07	191.51	191.90	192.15	.....	.....	194.58	.....	.....	.....
20	190.37	190.80	191.22	191.59	192.06	192.16	.....	194.77	194.44	.....	193.62	.....
25	190.75	191.31	191.85	191.76	192.35	192.37	.....	.....	.....	.....	.....	.....
Eom	190.72	190.90	191.08	191.85	191.98	192.31	.....	194.50	.....	.....	193.52	.....

e Estimated.

404753091142501. Local number 69-3-6ddcd1. Iowa Ordnance Plant, well 2. Drilled unused artesian well in limestone of Devonian and Mississippian age, diam 19 in (48 cm), depth 675 ft (206 m), cased 0-75 ft (0-23 m). Lsd 699 ft (213 m) above msl. MP top of recorder platform, 1.31 ft (0.38 m) above lsd. Highest water level 74.65 ft (22.75 m) below lsd, Oct. 31, 1960; lowest 83.19 ft (25.36 m) below lsd, Apr. 26, 1950. Records available: 1950-74. Recording gage disconnected December 1971; reconnected February 1974.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29, 1972	78.67	Nov. 6, 1972	77.54	July 11, 1973	76.66	Sept. 6, 1973	76.58
Apr. 27	78.85	Mar. 29, 1973	76.98	Aug. 20	76.63	Oct. 26	76.47

404753091142501--Continued.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	75.60	75.66	.....	75.58	75.34	75.51	75.65	75.75	75.43	75.47
10	75.95	75.73	.....	75.36	75.48	75.61	75.53	75.80	75.48	75.37
15	75.98	.....	75.61	75.52	75.15	75.42	75.45	75.63	75.80	75.43	75.10
20	75.63	.....	.....	75.68	75.48	75.40	75.47	75.66	75.02	75.34	75.28
25	76.08	.....	.....	75.65	75.41	75.42	75.59	75.69	75.79	75.62	75.48
Eom	75.77	e75.53	.....	75.32	75.38	75.41	75.40	75.73	75.54	75.48	75.42

e Estimated.

Emmet County

432927094345501. Local number 100-32-11dddl. Okamanpedan Lake Reserve State Park. Drilled public-supply artesian well in Dakota Sandstone of Early Cretaceous age, diam 6 in (15 cm), depth 277 ft (84 m), casing information not available. Lsd 1,233 ft (376 m) above msl. MP plug in pumpbase, 0.61 ft (0.19 m) above lsd. Highest water level 59.60 ft (18.17 m) below lsd, Dec. 19, 1946; lowest 70.38 ft (21.45 m) below lsd, Mar. 2, 1973. Records available: 1939-74. Jan. 17, 1972, 69.79; Mar. 2, 1973, 70.38; Oct. 2, 70.21; Jan. 22, 1974, 69.99; Nov. 19, 69.63.

Greene County

420051094223301. Local number 83-30-8cbb1. City of Jefferson. Drilled public-emergency-supply artesian well in Jordan Sandstone of Late Cambrian age, diam 12 to 6 in (30 to 15 cm), depth 2,307 ft (703 m), cased 0-1,796 ft (0-547 m). Lsd 1,065 ft (325 m) above msl. MP edge of vent pipe, 1.00 ft (0.30 m) above lsd. Highest water level 75.44 ft (22.99 m) below lsd, May 29, 1963; lowest 95.94 ft (29.24 m) below lsd, Nov. 20, 1974. Records available: 1960-74. Jan. 15, 1972, 91.90; July 29, 92.38; June 5, 1973, 94.03; Mar. 18, 1974, 95.31; Nov. 20, 95.94.

Grundy County

422605092560001. Local number 88-18-15dbb1. Town of Wellsburg. Drilled public-emergency-supply artesian well in English River Siltstone, of Stainbrook (1950), of Early Mississippian age, diam 12 in (30 cm), depth 280 ft (85 m), cased to 128 ft (39 m). Lsd 1,060 ft (323 m) above msl. MP edge of vent pipe, 1.25 ft (0.38 m) above lsd. Highest water level 35.95 ft (10.96 m) below lsd, Nov. 18, 1974; lowest 96.81 ft (29.51 m) below lsd, Sept. 27, 1960. Records available: 1960-71, 1973-74. No measurement made in 1972. May 21, 1973, 36.73; Oct. 1, 36.72; Nov. 18, 1974, 35.95.

Hancock County

425447093472101. Local number 94-25-34cbb1. Clarion-Webster Experimental Farm. Bored unused water-table well in glacial drift, diam 3 in (7.6 cm), depth 18 ft (5 m), cased with downspout all the way. Lsd 1,197 ft (365 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 3.13 ft (0.95 m) below lsd, June 3, 1965; lowest 11.60 ft (3.53 m) below lsd, Mar. 5, 1968. Records available: 1960-71, 1973-74. No measurement made in 1972. Oct. 1, 1973, 5.60; Nov. 19, 1974, 10.06.

Henry County

405810091330502. Local number 71-6-9aba2. City of Mount Pleasant, well 4. Drilled municipal artesian well in Jordan Sandstone of Late Cambrian age, diam 20 to 10 in (57 to 49 cm), depth 1,860 ft (567 m), 20-in (59-cm) casing 0-623 ft (0-190 m). Lsd 732 ft (223 m) above msl. MP hole in pumpbase, 2.25 ft (0.69 m) above lsd. Highest water level 132.00 ft (40.23 m) below lsd, May 5, 1946; lowest 190.00 ft (57.91 m) below lsd, June 6, 1968. Records available: 1946-50, 1953-57, 1959-74. Water levels affected by pumping. Nov. 6, 1972, 188.00; Mar. 30, 1973, 200.00 (well being pumped); Sept. 7, 196.00 (well being pumped); Dec. 6, 183.00; Feb. 12, 1974, 186.75 (well being pumped); July 8, 187.75; Oct. 15, 187.75.

410848091594801. Local number 73-7-9aabl. Town of Wayland. Dug unused water-table well in glacial drift, diam 4 ft (1 m), depth 52 ft (16 m), casing information not available. Lsd 745 ft (227 m) above msl. MP top of cement cover, 0.21 ft (0.06 m) above lsd. Highest water level 3.20 ft (0.70 m) below lsd, Sept. 1, 1965; lowest 14.37 ft (4.38 m) below lsd, Nov. 19, 1963. Records available: 1960-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 6, 1972	8.43	Sept. 7, 1973	8.25	Feb. 13, 1974	8.35	July 9, 1974	9.23
Mar. 30, 1973	6.30	Dec. 6	6.07	May 15	6.07	Oct. 15	9.48

Jasper County

414205092592001. Local number 80-18-31abbl. P. W. Beukema. Dug stock water-table well in glacial drift, diam 36 in (91 cm), depth 37 ft (11 m), cribbed with brick. Lsd 937 ft (286 m) above ms1. MP top of cement platform, 0.70 ft (0.21 m) above lsd. Highest water level 2.67 ft (0.81 m) below lsd, June 10, 1947; lowest 27.15 ft (8.28 m) below lsd, Dec. 18, 1948. Records available: 1940-74. Feb. 15, 1972, 18.59; May 16, 1973, 4.24; July 11, 1974, 4.54.

Jefferson County

410101091572001. Local number 72-10-24d-d1. City of Fairfield, well 3. Drilled public-emergency-supply artesian well in glacial sand and gravel, diam 6 in (15 cm), depth 191 ft (58 m), cased. Lsd 738 ft (225 m) above ms1. MP top of vent pipe, 1.60 ft (0.49 m) above lsd. Highest water level 31.65 ft (9.65 m) below lsd, Mar. 30, 1973; lowest 87.13 ft (26.56 m) below lsd, Feb. 15, 1958. Records available: 1968-71, 1973. No measurement made in 1972. Well destroyed in 1974. Water levels affected by nearby pumping. Mar. 30, 1973, 31.65; Sept. 7, 31.95.

Johnson County

414055091323601. Local number 79-6-4aacl. Forest View Trailer Court. Drilled unused artesian well in limestone of Silurian age, diam 6 in (15 cm), depth 280 ft (85 m), cased to 96 ft (29 m). Lsd 735 ft (224 m) above ms1. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 106.19 ft (32.37 m) below lsd, Feb. 14, 1972; lowest 145.01 ft (44.50 m) below lsd, July 17, 1971. Records available: 1971-74.

Water level at noon, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	127.08	143.86	142.78	140.67	142.01	141.78	123.31
10	139.42	143.86	141.58	140.96	141.95	140.64	118.63
15	134.94	140.93	144.05	142.03	141.70	141.87	139.88
20	135.25	142.52	145.60	141.76	141.89	.....	.....
25	126.49	142.71	144.97	141.68	141.77	.....	.....
Eom	136.82	143.51	143.68	142.12	141.90	143.12	130.32

1972

5	111.58	107.25	.....	111.70	131.43	138.29	145.48	142.25	138.70	138.42	135.45	119.53
10	110.09	107.12	107.95	112.41	132.09	140.75	145.21	139.75	.....	138.63	134.34	119.13
15	110.10	.....	107.68	117.15	133.24	142.25	145.44	138.70	138.63	138.73	130.00	118.31
20	108.45	.....	108.52	122.74	135.00	143.25	145.00	139.10	138.80	137.83	125.44	117.45
25	105.66	105.58	110.51	128.48	136.06	144.02	144.78	139.00	138.42	135.67	121.98	117.35
Eom	.....	106.61	111.77	129.01	e136.69	144.53	143.76	138.77	138.55	135.56	120.58	.....

1973

5	.....	113.82	111.70	109.87	122.15	132.19	138.10	.....	141.57	140.15	.....	118.17
10	.....	112.19	.....	109.74	125.13	132.93	138.74	140.42	141.14	139.76	137.84	117.45
15	.....	112.61	110.12	110.13	129.17	134.78	139.72	141.40	140.82	139.53	130.77	116.77
20	.....	112.52	e110.39	110.70	129.53	135.70	140.10	141.84	140.75	138.78	125.62	116.22
25	114.84	.....	110.01	110.18	130.30	136.93	140.08	141.08	140.46	139.00	122.26	115.14
Eom	e113.63	.....	109.46	e117.35	131.53	137.73	140.17	141.68	140.08	138.17	120.39	114.75

1974

5	113.85	110.10	110.32	112.04	128.88	e132.08	136.26	137.69	137.17	134.63	133.48	116.53
10	112.84	110.16	110.73	112.92	129.77	132.77	136.96	137.20	136.77	134.57	132.20	115.46
15	111.98	.....	109.84	117.49	130.44	133.56	137.20	137.22	137.00	134.76	129.68	114.56
20	111.17	110.15	109.90	122.02	130.42	134.43	137.74	136.93	136.64	134.58	.....	114.35
25	111.03	110.71	111.00	125.05	131.10	134.84	137.55	137.15	135.58	134.10	120.66	114.25
Eom	111.70	110.35	111.36	127.23	e130.95	135.52	138.12	136.92	135.56	133.70	118.22	113.93

e Estimated.

414315091252001. Local number 80-5-22cbb1. Chicago, Rock Island & Pacific RR. Co. Dug unused water-table well in glacial drift, diam 4 ft (1 m), depth 20 ft (6 m), cribbed with brick. Lsd 753 ft (230 m) above ms1. MP top of cement cover, 0.30 ft (0.09 m) above lsd. Highest water level 5.88 ft (1.79 m) below lsd, May 22, 1953; lowest dry, Dec. 2-31, 1955, Nov. 8 to Dec. 31, 1964. Records available: 1941-56, 1958-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1972	8.30	Jan. 30, 1973	9.41	Nov. 19, 1973	14.85	Nov. 27, 1974	14.49
July 3	11.20	May 17	7.21	July 30, 1974	12.07	Dec. 12	13.95
Sept. 20	22.00						

414315091252002. Local number 80-5-22cbb2. Chicago, Rock Island & Pacific RR. Co. Drilled unused artesian well in limestone of Devonian age, diam 5 in (13 cm), depth 82 ft (25 m), cased. Lsd 753 ft (230 m) above ms1. MP top of cement cover, 0.30 ft (0.09 m) above lsd. Highest water level 8.15 ft (2.48 m) below lsd, Apr. 21, 1952; lowest 21.05 ft (6.42 m) below lsd, Sept. 26, 1957. Records available: 1941-74.

Mar. 20, 1972	14.40	Sept. 20, 1972	14.56	May 17, 1973	11.59	July 30, 1974	14.13
Apr. 24	12.30	Jan. 30, 1973	13.98	Nov. 19	15.62	Dec. 12	15.20
July 3	17.93						

Lee County

403609091240801. Local number 67-4-14caaal. U.S. Geol. Survey. Driven observation water-table well in alluvial sand, diam 1½ in (3.2 cm), depth 13 ft (4 m), screened 11-13 ft (3-4 m). Lsd 529 ft (161 m) above msl. MP top of pipe, 2.40 ft (0.73 m) above lsd. Highest water level 5.46 ft (1.66 m) below lsd, Mar. 30, 1973; lowest 10.63 ft (3.24 m) below lsd, Sept. 21, 1964. Records available: 1950-74. Nov. 6, 1972, 7.27; Mar. 30, 1973, 5.46; Sept. 7, 6.89; Feb. 13, 1974, 6.05.

Linn County

415422091422601. Local number 82-7-18odd1. Lester Petrak. Dug unused water-table well in glacial drift, diam 4 ft (1 m), depth 14 ft (4 m), cribbed with brick. Lsd 835 ft (255 m) above msl. MP base of recorder shelter, 0.08 ft (0.02 m) above lsd. Highest water level 1.09 ft (0.33 m) below lsd, Aug. 4, 1968; lowest 11.18 ft (3.41 m) below lsd, Mar. 7, 1964. Records available: 1959-74.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e5.93	6.88	5.70	4.55	4.64	5.16	5.35	4.35	5.15	5.42	4.39	4.46
10	5.37	6.92	5.70	4.80	3.99	5.16	5.41	4.26	5.32	5.60	4.63	4.95
15	....	7.10	5.00	4.90	4.45	4.80	5.40	4.45	4.35	5.74	4.52	5.07
20	6.09	7.34	4.60	4.35	4.68	4.80	4.62	4.87	5.46	5.87	4.56	5.24
25	6.60	7.38	4.74	4.35	4.88	5.03	4.83	5.07	5.52	4.68	4.61	5.44
Eom	6.68	6.50	4.84	4.64	5.01	5.17	4.67	5.27	5.15	4.92	4.62	3.98

1973

5	....	4.78	4.94	4.79	4.59	3.80	5.55	6.79	7.10	4.77	5.59	4.14
10	....	4.97	4.58	5.02	4.51	4.89	5.85	6.99	6.71	4.98	5.86	4.57
15	5.24	5.13	4.32	1.60	4.87	5.19	6.10	7.19	6.80	4.67	6.00	4.86
20	5.42	5.31	4.82	....	5.10	5.33	6.28	7.42	6.81	4.92	6.15	5.05
25	....	5.18	5.02	4.55	5.14	5.55	6.40	7.49	5.13	5.06	5.56	4.70
Eom	4.81	5.35	5.07	4.85	4.78	5.64	6.61	7.77	....	5.23	5.39	4.62

1974

5	....	4.50	4.53	4.13	....	4.85	5.30	5.94	6.04	7.33	8.04	8.47
10	....	....	....	4.64	....	4.57	5.48	6.34	6.37	7.49	8.14	7.95
15	5.08	5.03	....	....	....	4.56	5.59	4.39	6.57	7.61	8.00	7.57
20	4.57	5.16	4.92	4.32	4.17	4.94	5.85	....	6.62	7.62	8.14	6.68
25	....	5.20	5.06	4.77	4.65	4.70	5.86	5.31	6.93	7.83	8.32	6.76
Eom	4.09	5.18	4.35	....	4.51	5.09	5.17	5.67	7.22	7.96	8.39	6.94

e Estimated.

415816091393401. Local number 83-7-28add1. Collins Radio. Drilled unused artesian well in limestone of Silurian age, diam 10 in (25 cm), depth 420 ft (128 m), cased to 75 ft (23 m). Lsd 735 ft (224 m) above msl. MP top of well cover, 6.15 ft (1.87 m) below lsd. Highest water level 51.10 ft (15.58 m) below lsd, Feb. 25, 1963; lowest 61.12 ft (27.77 m) below lsd, July 27, 1966. Records available: 1962-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	74.70	74.34	73.95	73.03	75.90	80.59	84.38	....	....	....	76.61	74.20
10	75.76	75.38	74.45	73.50	75.50	82.25	84.39	....	....	....	75.89	74.53
15	76.50	74.44	74.40	74.05	75.51	83.25	84.60	....	....	....	75.90	74.05
20	76.31	73.90	73.68	75.00	77.45	83.14	85.15	....	....	....	75.35	72.99
25	75.42	74.32	73.18	75.60	79.40	83.10	....	....	....	78.40	74.34	71.45
Eom	74.05	74.10	73.10	74.80	79.85	83.70	....	....	....	77.37	74.23	72.21

1973

5	72.80	68.24	66.35	64.19	....	64.55	75.60	79.01	81.66	78.42	73.77	69.82
10	72.23	68.78	66.33	63.70	....	....	76.05	79.70	81.65	78.50	73.50	69.44
15	70.44	68.65	65.53	63.22	....	....	76.50	80.58	81.30	77.45	72.50	68.70
20	69.90	67.10	64.70	63.30	....	....	77.38	81.30	80.41	76.30	71.89	68.53
25	69.59	67.05	64.08	....	63.42	72.02	78.11	80.78	79.14	75.75	71.08	67.24
Eom	68.39	67.19	63.95	....	63.52	73.23	79.02	82.22	78.99	74.12	70.78	67.19

1974

5	67.23	65.69	66.85	66.09	68.77	70.11	....	....	85.25	82.11	80.37	79.16
10	66.90	64.87	67.10	66.31	69.32	71.12	....	....	85.55	82.34	79.38	78.30
15	66.22	65.95	66.99	66.80	68.43	72.08	....	....	83.53	81.28	80.79	76.83
20	65.71	65.80	66.80	67.27	68.24	72.10	....	....	93.72	81.20	79.20	....
25	67.16	65.18	66.54	67.55	69.77	....	....	86.39	83.18	81.20	78.44	....
Eom	66.45	66.72	66.07	68.42	69.93	....	....	86.20	82.00	81.45	78.45	....

415725091410401. Local number 83-7-32acc1. Floyd Felter. 22nd Ave. Southwest and 11th St. Southwest, Cedar Rapids. Drilled unused artesian well in limestone of Silurian age, diam 4 in (13 cm), depth 282 ft (86 m), cased. Lsd 805 ft (245 m) above msl. MP plug in well cover, at lsd. Highest water level 75.88 ft (23.13 m) below lsd, Jan. 26, 1942; lowest 100.99 ft (30.78 m) below lsd, Sept. 23, 1971. Records available: 1940-74.

415725091410401--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21, 1972	96.47	Nov. 20, 1972	94.16	Aug. 23, 1973	98.80	May 20, 1974	91.25
Mar. 20	96.38	Dec. 21	92.44	Sept. 20	98.44	June 24	93.55
Apr. 24	95.17	Jan. 23, 1973	92.84	Oct. 22	98.61	July 17	94.49
May 23	94.82	Feb. 20	92.69	Nov. 19	96.78	Aug. 22	98.47
June 20	95.87	Mar. 20	92.61	Dec. 20	96.41	Sept. 23	99.22
July 20	97.65	Apr. 25	89.60	Feb. 20, 1974	94.39	Oct. 22	94.17
Aug. 22	98.14	May 23	90.68	Mar. 20	93.49	Nov. 22	97.83
Sept. 20	98.02	June 21	91.18	Apr. 24	93.30	Dec. 18	97.66
Oct. 24	95.65	July 20	96.48				

420526091370701. Local number 84-7-13bcb1. U.S. Geol. Survey. Drilled observation water-table well in glacial drift, diam 1 1/2 in (3.2 cm), depth 17 ft (5 m), screened 15-17 ft (4.6-5.2 m). Lsd 892 ft (272 m) above msl. MP top of casing, 0.75 ft (0.23 m) above lsd. Highest water level 1.11 ft (0.34 m) below lsd, Mar. 29, 1960; lowest 12.90 ft (3.93 m) below lsd, Dec. 3, 1956. Records available: 1940-74.

Jan. 21, 1972	3.88	Oct. 24, 1972	3.55	July 20, 1973	5.45	Apr. 24, 1974	2.78
Feb. 23	4.59	Nov. 20	2.95	Aug. 23	6.86	May 20	1.96
Mar. 20	3.14	Dec. 21	2.86	Sept. 20	5.48	June 24	2.31
Apr. 24	2.00	Jan. 23, 1973	2.82	Oct. 22	4.93	July 17	5.24
May 23	3.37	Feb. 20	3.71	Nov. 19	6.59	Aug. 22	4.92
June 20	3.54	Mar. 20	2.18	Dec. 20	4.60	Sept. 23	7.13
July 20	3.83	Apr. 25	2.20	Jan. 23, 1974	4.30	Oct. 22	7.80
Aug. 22	4.03	May 23	3.23	Feb. 20	3.70	Nov. 22	7.53
Sept. 20	3.87	June 21	3.33	Mar. 20	2.79	Dec. 18	5.25

Lyon County

432140095595301. Local number 99-44-26dd1. State of Iowa. Drilled unused water-table well in glacial drift, diam 20 in (51 cm), depth 38 ft (12 m), lined with tile. Lsd 1,400 ft (427 m) above msl. MP plug top of well cover, 3.01 ft (0.61 m) above lsd. Highest water level 0.09 ft (0.03 m) below lsd, Mar. 2, 1973; lowest 9.74 ft (2.97 m) below lsd, Oct. 24, 1940. Records available: 1940-43, 1947-74. Jan. 17, 1972, 4.18; Mar. 2, 1973, 0.09; Oct. 2, 1939; Jan. 22, 1974, 2.70; Nov. 30, 5.86.

432549096111101. Local number 99-45-5abab1. City of Rock Rapids. Drilled unused artesian well in Dakota Sandstone of Early Cretaceous age, diam 10 in (25 cm), depth 375 ft (114 m), cased to 296 ft (90 m). Lsd 1,364 ft (417 m) above msl. MP plug in cover over casing, 1.00 ft (0.30 m) above lsd. Highest water level 100.08 ft (30.50 m) below lsd, July 27, 1964; lowest 113.90 ft (34.72 m) below lsd, Nov. 30, 1974. Records available: 1960-74. Jan. 17, 1972, 111.32; Mar. 2, 1973, 111.83; Oct. 2, 112.53; Jan. 22, 1974, 112.75; Nov. 30, 113.90.

Madison County

411725093483601. Local number 75-26-23aaaa1. Town of St. Charles, No. 1. Drilled unused artesian well in limestone of Mississippian age, diam 10 in (25 cm), depth 1,058 ft (322 m), cased 0-657 ft (0-200 m). Lsd 1,067 ft (325 m) above msl. MP plug in well cover, 1.20 ft (0.37 m) above lsd. Highest water level 261.67 ft (79.74 m) below lsd, Nov. 20, 1962; lowest 267.44 ft (81.52 m) below lsd, Sept. 13, 1974. Records available: 1962-74. Feb. 15, 1972, 266.08; May 16, 1973, 266.05; Mar. 12, 1974, 266.93; July 10, 266.96; Sept. 13, 267.44.

411948094022001. Local number 75-28-2abbb1. Glen Newton. Drilled unused water-table well in glacial drift, diam 24 in (61 cm), depth 32 ft (10 m), cribbed with rock. Lsd 1,094 ft (333 m) above msl. MP hole in board platform, 0.50 ft (0.15 m) above lsd. Highest water level 9.30 ft (2.83 m) below lsd, May 16, 1973; lowest 20.59 ft (6.28 m) below lsd, Oct. 1, 1943. Records available: 1940-74. Feb. 15, 1972, 15.84; May 16, 1973, 9.30; Mar. 12, 1974, 9.85; July 11, 17.78; Sept. 13, 15.67.

Marion County

41132093141601. Local number 74-21-11dbcd2. Town of Melcher. Drilled unused water-table well in glacial drift, diam 18 in (46 cm), depth 35 ft (10 m), lined with tile. Lsd 948 ft (289 m) above msl. MP top of well cover, 1.00 ft (0.30 m) above lsd. Highest water level 0.20 ft (0.06 m) below lsd, Oct. 10, 1973; lowest 16.27 ft (4.96 m) below lsd, Oct. 22, 1953. Records available: 1950-74.

Jan. 8, 1972	4.56	July 12, 1972	5.28	Jan. 13, 1973	3.77	July 18, 1973	4.25
20	5.15	24	2.75	24	2.97	25	3.04
Feb. 5	5.56	Aug. 7	1.28	Feb. 12	0.35	Aug. 13	2.60
23	5.14	23	4.10	26	2.39	25	3.74
Mar. 14	4.76	Sept. 14	1.90	Mar. 12	.90	Sept. 14	3.75
25	4.84	23	3.15	23	1.96	26	2.60
Apr. 11	4.70	Oct. 14	4.59	Apr. 23	1.20	Oct. 10	.20
24	2.28	25	4.50	May 11	1.55	24	3.00
May 11	1.15	Nov. 13	4.05	15	2.35	Nov. 14	4.15
23	2.90	27	2.53	24	3.60	28	3.78
June 8	3.64	Dec. 13	4.15	June 8	2.80	Dec. 14	2.70
23	4.15	23	4.29	23	3.62	Jan. 21, 1974	2.00

411323093141601--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 12, 1974	3.56	Apr. 26, 1974	2.57	July 24, 1974	4.70	Oct. 12, 1974	2.85
20	3.90	May 10	3.06	Aug. 15	8.40	26	6.00
Mar. 12	1.74	22	1.69	14	8.95	Nov. 14	2.89
14	2.05	June 11	1.89	Sept. 10	6.00	26	4.88
27	3.27	22	2.46	13	5.24	Dec. 13	4.27
Apr. 10	2.49	July 13	4.07	25	5.70	26	4.15

411541093123401. Local number 75-20-31dhd1. Miss Amanda Elliot. Drilled unused water-table well in glacial drift, diam 15 in (38 cm), depth 29 ft (9 m), lined with tile. Lsd 919 ft (280 m) above msl. MP hole in top of plank platform, 1.31 ft (0.40 m) above lsd. Highest water level 2.31 ft (0.70 m) below lsd, June 11, 1947; lowest 27.42 ft (8.36 m) below lsd, Oct. 28, 1953. Records available: 1940-74. Feb. 15, 1972, 17.25; May 15, 1973, 3.31; Nov. 14, 6.96; Mar. 12, 1974, 5.31; July 10, 7.18; Sept. 13, 12.09.

Marshall County

420355092534701. Local number 84-18-24dbad1. City of Marshalltown. Drilled unused artesian well in glacial sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 200 ft (61 m), cased to 190 ft (58 m), screened 190-200 ft (58-61 m). Lsd 871 ft (265 m) above msl. MP hole in plate over casing, 1.80 ft (0.55 m) above lsd. Highest water level 4.92 ft (1.50 m) below lsd, July 13, 1951; lowest 44.36 ft (13.52 m) below lsd, Aug. 26, 1971. Records available: 1949-71, 1973-74. No measurement made in 1972. Mar. 5, 1973, 32.77; Oct. 1, 37.56; Nov. 18, 1974, 36.78.

Montgomery County

405835095012901. Local number 71-36-6dad1. State of Iowa. Drilled observation water-table well in glacial drift, diam 1 1/2 in (3.2 cm), depth 38 ft (12 m), screened 36-38 ft (11-12 m). Lsd 1,081 ft (329 m) above msl. MP top of casing, 3.02 ft (0.92 m) above lsd. Highest water level 2.52 ft (0.77 m) below lsd, May 31, 1951; lowest 30.99 ft (9.45 m) below lsd, Apr. 26, 1950. Records available: 1950-74.

Jan. 17, 1972	15.18	Oct. 15, 1972	13.32	July 15, 1973	12.21	Apr. 14, 1974	12.52
Feb. 14	15.32	Nov. 16	11.13	Aug. 15	12.50	May 15	11.94
Mar. 15	15.47	Dec. 16	7.85	Sept. 17	13.16	June 14	12.18
Apr. 15	15.20	Jan. 13, 1973	12.20	Oct. 17	12.62	July 14	12.08
May 15	14.64	Feb. 14	11.03	Nov. 16	13.02	Aug. 15	13.38
June 15	14.22	Mar. 13	11.58	Dec. 13	11.59	Sept. 16	13.08
July 15	14.15	Apr. 16	11.08	Jan. 14, 1974	7.44	Oct. 14	12.00
Aug. 15	13.72	May 15	10.78	Feb. 16	13.54	Nov. 15	14.38
Sept. 15	13.44	June 16	11.38	Mar. 15	12.29	Dec. 14	14.34

Muscatine County

412120091080404. Local number 76-2-30cbaa4. U.S. Geol. Survey. Drilled observation water-table well in alluvial sand and gravel, diam 6 in (15 cm), depth 27 ft (8 m), screened 24-27 ft (7-8 m). Lsd 546 ft (166 m) above msl. MP base of recorder shelter, 3.70 ft (1.13 m) above lsd. Highest water level 8.51 ft (2.59 m) below lsd, May 16, 1973; lowest 13.78 ft (4.20 m) below lsd, Dec. 4, 5, 10, 1971. Records available: 1966-74.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.04	.....	.....	.....	.....	.....	.....	.....	.....	12.90
10	13.09	12.95	.....	.....	.....	.....	.....	.....	.....	.....	12.91
15	13.14	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.97
20	13.15	12.88	.....	.....	.....	.....	.....	.....	.....	.....	12.88
25	13.16	12.88	.....	.....	.....	.....	.....	.....	.....	.....	12.89
Eom	13.14	12.86	.....	.....	.....	.....	.....	.....	.....	.....	.....

1973

5	.....	.....	.....	10.94	9.63	.....	.....	9.71	10.51	9.15	.....	.....
10	.....	.....	.....	10.87	9.53	.....	.....	9.09	9.87	10.51	9.06	.....
15	.....	.....	.....	11.54	10.54	8.56	.....	9.18	9.96	10.54	9.04	.....
20	.....	.....	.....	11.23	10.36	.....	.....	9.31	10.08	10.57	9.17	.....
25	.....	.....	.....	11.07	9.38	.....	.....	9.40	.....	10.57	9.25	.....
Eom	.....	.....	.....	10.99	9.23	.....	.....	9.54	.....	9.6	.....	.....

1974

5	10.42	.....	9.92	10.10	.....	9.16	9.24	10.0	10.44	11.11	11.56	.....
10	10.42	.....	9.95	.....	.....	9.10	9.38	10.15	10.56	11.14	11.63	.....
15	10.44	10.05	9.99	.....	10.27	9.09	9.46	10.34	10.67	11.20	11.70	.....
20	10.44	10.05	10.08	.....	9.37	9.17	9.61	10.28	10.77	11.27	11.90	.....
25	10.31	9.99	10.09	.....	9.18	9.09	9.67	.....	10.97	11.36	11.90	.....
Eom	9.97	9.95	10.11	.....	9.12	9.10	9.48	10.30	11.04	11.46	.....	.....

e Estimated.

Page County

40457095151201. Local number 68-38-7ccal. William Brayman. Drilled unused water-table well in glacial drift, diam 12 in (30 cm), depth 44 ft (13 m), lined with tile. Lsd 1,087 ft (331 m) above msl. MP top of 3/4-in (1.9-cm) pipe inserted through board cover, 1.50 ft (0.46 m) above lsd. Highest water level 1.44 ft (0.44 m) below lsd, June 23, 1947; lowest 20.96 ft (6.39 m) below lsd, Nov. 24, 1958. Records available: 1934-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1972	12.88	Aug. 16, 1972	13.70	Mar. 13, 1973	5.25	Sept. 18, 1973	13.17
Feb. 14	13.96	Sept. 18	12.86	Apr. 17	3.47	Oct. 16	7.27
Mar. 16	14.02	Oct. 15	13.98	May 15	9.08	Nov. 16	13.30
Apr. 15	14.34	Nov. 19	8.40	June 15	12.38	Dec. 13	10.52
May 16	11.26	Dec. 15	10.10	July 18	12.97	Nov. 15, 1974	13.85
June 16	11.05	Jan. 15, 1973	4.61	Aug. 17	12.66	Dec. 17	13.47
July 15	13.97	Feb. 3	4.60				

Polk County

413839093233001. Local number 79-22-22aabl. J. G. Reed. Dug unused water-table well in glacial drift, diam 36 in (91 cm), depth 39 ft (12 m), cribbed with drain tile. Lsd 930 ft (283 m) above msl. MP top of pipe in concrete cover, 0.45 ft (0.14 m) above lsd. Highest water level 1.75 ft (0.53 m) below lsd, May 16, 1973; lowest 11.22 ft (3.42 m) below lsd, Dec. 6, 1956. Records available: 1940-74. Feb. 15, 1972, 4.89; May 16, 1973, 1.75; Nov. 15, 4.32; July 11, 1974, 2.75; Sept. 10, 5.66.

Sac County

41700095025701. Local number 86-36-4ccdl. State Conservation Commission. Dug unused water-table well in glacial drift, diam 36 in (91 cm), depth 9 ft (3 m), cribbed with concrete. Lsd 1,223 ft (373 m) above msl. MP top of concrete cover, 2.70 ft (0.82 m) above lsd. Highest water level 2.48 ft (0.76 m) below lsd, June 28, 1945; lowest dry, Aug. 29, 1956, Feb. 19, 1957. Records available: 1940-74. July 29, 1972, 4.95; June 5, 1973, 3.96; Mar. 13, 1974, 4.02; Nov. 28, 6.15.

423012095174201. Local number 89-38-26abal. City of Schaller. Drilled public-emergency-supply artesian well in Dakota Sandstone of Early Cretaceous age, diam 10 to 8 in (25 to 20 cm), depth 352 ft (107 m), cased to 352 ft (107 m), perforated 304-352 ft (93-107 m). Lsd 1,376 ft (419 m) above msl. MP edge of pump breather pipe, 1.80 ft (0.55 m) above lsd. Highest water level 210.04 ft (64.02 m) below lsd, Mar. 25, 1948; lowest 229.55 ft (69.97 m) below lsd, Oct. 4, 1973. Records available: 1940-74. Jan. 15, 1972, 228.46; July 29, 228.80; Mar. 5, 1973, 228.72; June 5, 228.86; Oct. 4, 229.66; Jan. 21, 1974, 229.20; Nov. 28, 229.50.

Story County

415901093392701. Local number 83-24-20dadl. Agricultural Engineering Experiment Station. Dug unused water-table well in glacial drift, diam 36 in (91 cm), depth 33 ft (12 m), cribbed with brick. Lsd 1,022 ft (312 m) above msl. MP top west side of cement platform, 0.25 ft (0.08 m) above lsd. Highest water level 5.90 ft (1.80 m) below lsd, May 31, 1944; lowest 26.09 ft (7.95 m) below lsd, July 14, 1939. Records available: 1939-74. Jan. 18, 1972, 13.08; July 31, 9.82; Mar. 5, 1973, 7.68; Oct. 4, 11.31; Jan. 21, 1974, 8.72; Mar. 13, 8.31; Nov. 20, 11.90.

Warren County

41234309-451201. Local number 76-25-17aabal. John F. Johnson, Jr. Dug stock water-table well in glacial drift, diam 40 in (76 cm), depth 40 ft (12 m), cribbed with cement tile. Lsd 984 ft (300 m) above msl. MP top of board cover, 0.71 ft (0.22 m) above lsd. Highest water level 3.15 ft (0.96 m) below lsd, Mar. 28, 1961; lowest 37.16 ft (11.33 m) below lsd, Aug. 14, 1965. Records available: 1956-74. Feb. 16, 1972, 21.74; May 16, 1973, 6.33; Mar. 12, 1974, 5.46; July 10, 5.84; Sept. 13, 14.76.

Webster County

42187094083601. Local number 87-28-29cccl. Ransom Helms. Drilled unused water-table well in glacial drift, diam 12 in (30 cm), depth 42 ft (13 m), lined with tile. Lsd 1,165 ft (355 m) above msl. MP top of recorder platform, 4.10 ft (1.25 m) above lsd. Highest water level 0.05 ft (0.02 m) below lsd, Aug. 1, 1972; lowest 13.62 ft (4.15 m) below lsd, Mar. 12, 1956. Records available: 1942-74.

421837094083601--Continued.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	0.53	....	3.50	2.30	....	....	....	....
10	3.42	....	1.06	....	....	1.96	....	....	....	....
15	2.55	3.10	1.89	1.85	3.54	2.57	1.43	....	....	....
20	2.18	....	2.77	2.54	2.75	....	1.55	....	....	....
25	5.23	....	....	1.61	3.00	....	3.30	2.95	....	....	....
Eom	1.17	2.16	3.30	2.83	3.04	2.17	....	....	....

1973

5	....	....	....	....	....	2.23	....	3.66	3.16	2.38	....	3.04
10	....	....	....	....	....	2.85	....	3.82	2.96	1.58	....	....
15	....	....	....	....	....	4.15	....	3.28	3.14	2.04	3.09	....
20	....	....	1.76	....	....	3.12	....	3.59	2.75	2.45	1.98	3.48
25	....	....	....	....	....	3.45	....	2.75	3.04	2.65	2.42	2.83
Eom	....	....	....	....	....	....	....	....	....	2.84	2.76	....

1974

5	....	3.11	....	1.59	3.17	3.35	3.75	3.65	....	....	3.57	4.34
10	....	3.55	1.62	2.37	3.32	3.03	4.03	4.05	4.97	....	3.57	....
15	....	3.15	2.07	2.06	2.98	3.27	4.10	4.19	4.79	....	3.88	2.87
20	....	2.23	2.64	2.70	2.35	3.10	4.32	3.87	5.09	....	4.07	....
25	3.40	2.86	2.97	2.39	2.78	2.77	4.58	....	....	....	4.25	....
Eom	1.89	2.08	3.00	2.83	3.05	3.35	....	4.62	....	....	4.31	4.25

423013094214701. Local number 89-30-22ddal. Johnson Township Consolidated School. Barnum. Drilled unused artesian well in sandstone of Cretaceous age, diam 4 in (10 cm), reported depth 203 ft (63 m), cased to bottom, perforated 203-208 ft (62-63 m), measured depth 203 ft (62 m). Lsd 1,174 ft (358 m) above msl. MP top of casing, 6.40 ft (1.95 m) below lsd. Highest water level 30.86 ft (9.41 m) below lsd, July 2, 1945; lowest 41.72 ft (12.72 m) below lsd, Nov. 16, 1971. Records available: 1942-45, 1947-74. Jan. 18, 1972, 41.60; Mar. 5, 1973, 39.71; Oct. 4, 39.44; Jan. 21, 1974, 40.00; Nov. 19, 40.89.

423341094051601. Local number 90-27-31ccbl. C. C. Knudson. Drilled unused water-table well in glacial drift, diam 15 in (38 cm), depth 53 ft (16 m), lined with tile. Lsd 1,125 ft (343 m) above msl. MP top of plank platform, 1.00 ft (0.30 m) above lsd. Highest water level 2.96 ft (0.90 m) below lsd, June 4, 1965; lowest 13.90 ft (4.24 m) below lsd, Dec. 17, 1948. Records available: 1942-43, 1948-54, 1956-74. Jan. 18, 1972, 5.74; Mar. 5, 1973, 5.70; Oct. 4, 3.7; Jan. 21, 1974, 5.38; Nov. 19, 5.77.

The observation-well program in Kansas was continued during 1972 through 1974 in cooperation with the Kansas Geological Survey, the Division of Water Resources of the Kansas State Board of Agriculture, and the Division of Environmental Health of the Kansas Department of Health and Environment. 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 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. Townships are numbered south from the north border of the State. Ranges are numbered east or west of the Sixth Principal Meridian, which is 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 counter-clockwise direction beginning with "a" in the northeast quadrant, 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 Douglas 15-21E-40cc designates the well in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, T.15 S., R.21 E.

Well Descriptions and Water-Level Measurements

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

Barber County

372000098594001. Local number 31-15W-19bdb. Formerly 1. D. S. Shaw. Drilled unused water-table well in deposits of Permian age, diam 8 to 6 in (20 to 15 cm), depth 95 ft (29 m), cased with galvanized iron. Lsd not available. MP top of well cover, 1.05 ft (0.32 m) above lsd. Highest water level 34.45 ft (10.50 m) below lsd, Dec. 17, 1974; lowest 82.99 ft (25.30 m) below lsd, Oct. 17, 1940. Records available: 1940-64, 1966-67, 1969, 1971-72, 1974. No measurement made in 1973. Dec. 21, 1972, 74.45 (measurement made by Kansas State Board of Agriculture); Feb. 1, 1974, 71.14; Dec. 17, 34.45.

Edwards County

380145099241301. Local number 23-19W-22ccc. Formerly 10. E. F. Lippoldt. Dug unused water-table well in Dakota Formation of Early Cretaceous age, diam 4.50 ft (1.37 m), depth 68 ft (21 m), cribbed with rock. Lsd 2,238.4 ft (682.3 m) above msl. MP top of hole in concrete cover, 0.60 ft (0.18 m) above lsd. Highest water level 60.49 ft (18.44 m) below lsd, Dec. 16, 1974; lowest 68.20 ft (20.79 m) below lsd, Mar. 13, 1946. Records available: 1944-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 23, 1972	g65.00	Dec. 22, 1972	g61.37	Oct. 8, 1973	g60.90	June 24, 1974	g60.85
June 28	g63.06	Mar. 23, 1973	g61.15	Dec. 20	g60.97	Sept. 25	g60.58
Sept. 26	g61.47	June 27	g61.03	Mar. 21, 1974	g60.62	Dec. 18	60.49

g Measurement made by Kansas State Board of Agriculture.

Ford County

374445100025501. Local number 26-25W-34bbb. Formerly 8. F. H. Diehl. Drilled irrigation water-table well in alluvium, diam 20 in (51 cm), depth 20 ft (6 m), cased with concrete. Lsd 3,490.2 ft (759.0 m) above msl. MP top of casing, 0.90 ft (0.24 m) above lsd. Highest water level 0.86 ft (0.26 m) below lsd, May 17, 1942; lowest 11.32 ft (3.45 m) below lsd, Dec. 30, 1974. Records available: 1928-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 24, 1972	g7.89	Dec. 22, 1972	g7.25	Oct. 10, 1973	7.73	Mar. 22, 1974	7.39
June 29	g7.38	Mar. 27, 1973	5.81	Dec. 20	7.25	Dec. 30	11.32
Sept. 27	g7.17	June 20	5.77				

g Measurement made by Kansas State Board of Agriculture.

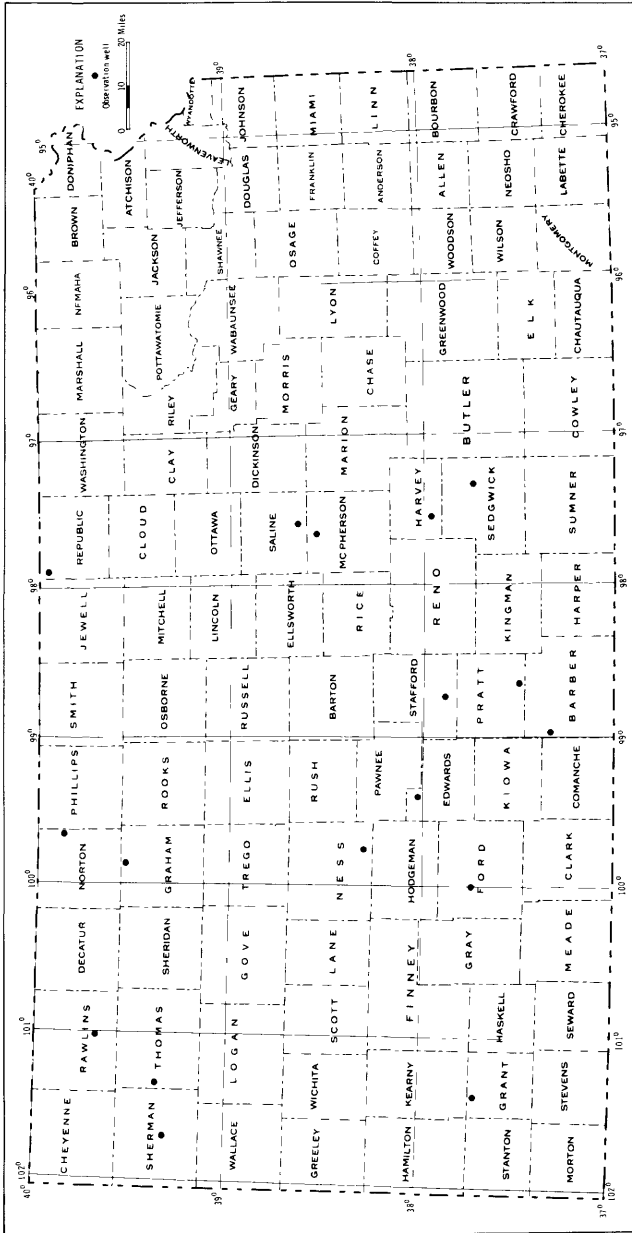


Figure 4.--Location of observation wells in Kansas, 1973-74.

Graham County

393729099503901. Local number 6-23W-12ccb. H. Hauser. Drilled stock water-table well in Ogallala Formation of Miocene age, diam 5 in (13 cm), depth 60 ft (21 m), cased with galvanized iron. Lsd not available; previously reported 2,349.6 ft (716.2 m) above msl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 60.60 ft (18.47 m) below lsd, Oct. 17, 1961; lowest 65.56 ft (19.97 m) below lsd, Dec. 2, 1974. Records available: 1952-71, 1973-74. No measurement made in 1971. Measurements made by Kansas State Board of Agriculture. Jan. 4, 1973, 63.65; Dec. 2, 1973, 63.08; Dec. 2, 1974, 65.66.

Grant County

274337101215501. Local number 27-37W-4da. Formerly 5. C. L. Jury. Drilled unused water-table well in deposits of Pleistocene age, diam 6 in (15 cm), depth 139 ft (42 m), cased with iron. Lsd 3,069.99 ft (935.73 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 65.53 ft (19.97 m) below lsd, May 9, Nov. 28, 1951; lowest 137.42 ft (41.89 m) below lsd, Sept. 11, 1974. Records available: 1941-74. Measurements made by Kansas State Board of Agriculture.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 23, 1972	122.02	Dec. 19, 1972	119.84	Dec. 12, 1973	133.80	Sept. 11, 1974	137.42
June 22	129.07	Mar. 16, 1973	117.10	Mar. 6, 1974	134.30	Dec. 5	134.58
Oct. 4	126.24	Sept. 12	133.85	June 12	130.88		

Harvey County

37553007300301. Local number 24-2W-35aaa. Formerly 839. City of Wichita. Drilled observation water-table well in sand and gravel of Pleistocene age; diam 1 1/2 in (3.2 cm); depth 44 ft (13 m), previously reported 27 ft (8 m); cased with galvanized iron. Lsd 1,389.19 ft (423.43 m) above msl. MP top of pipe, 1.00 ft (0.30 m) above lsd. Highest water level 10.62 ft (3.24 m) below lsd, Aug. 21, 1939; lowest 32.52 ft (9.91 m) below lsd, May 1, 1957. Records available: 1938-74. Measurements made by city of Wichita.

Mar. 30, 1972	25.38	Dec. 29, 1972	26.47	Oct. 2, 1973	23.24	July 2, 1974	20.58
June 29	25.92	Apr. 4, 1973	25.35	Jan. 3, 1974	21.83	Oct. 2	20.17
Oct. 1	26.58	July 3	23.27	Apr. 3	21.50	Dec. 30	19.42

McPherson County

383400097400301 (revised). Local number 17-3W-17ddd. Formerly 17-3-17dd. U.S. Geol. Survey. Drilled observation water-table well in terrace deposits of Pleistocene age, diam 1 1/2 in (3.2 cm), depth 27 ft (11 m), cased with galvanized iron. Lsd 1,331.5 ft (405.8 m) above msl. MP top of pipe, 0.80 ft (0.24 m) above lsd. Highest water level 16.75 ft (5.11 m) below lsd, July 24, 1951; lowest 20.80 ft (6.33 m) below lsd, Sept. 7, 1956. Records available: 1946-74.

May 16, 1971	20.66	Sept. 12, 1973	23.40	Mar. 8, 1974	20.20	Sept. 10, 1974	23.34
Nov. 9	26.09	Dec. 13	18.60	June 10	19.52	Dec. 9	23.48
June 12, 1973	20.43						

Ness County

381728099470701. Local number 20-22W-20ccc. Formerly 2. C. L. Whitley. Dug and drilled irrigation water-table well in terrace deposits of Pleistocene age, diam 20 in (51 cm), depth 51 ft (16 m), cased with galvanized iron. Lsd 1,193 ft (668 m) above msl. MP top of concrete curb, south side, 0.50 ft (0.15 m) above lsd. Highest water level 17.81 ft (5.43 m) below lsd, July 12, 1951; lowest 41.79 ft (12.74 m) below lsd, Aug. 17, 1965. Records available: 1940-74. Measurements made by Kansas State Board of Agriculture.

Mar. 22, 1972	34.06	Dec. 20, 1972	35.20	Oct. 4, 1973	35.24	June 25, 1974	34.53
June 27	39.02	Mar. 20, 1973	34.81	Dec. 21	33.40	Sept. 17	40.77
Sept. 25	35.15	June 27	34.90	Mar. 19, 1974	32.95	Dec. 12	35.41

Norton County

355448099383601. Local number 2-21W-1bbb. Formerly 2-21-lbb. Verner Ross. Drilled irrigation water-table well in terrace deposits of Pleistocene age; diam 24 in (61 cm); depth 69 ft (21 m), previously reported 70 ft (21 m); cased with galvanized iron. Lsd 2,124.05 ft (647.41 m), previously reported 2,122.4 ft (646.9 m), above msl. MP top of pumpbase, east side, 1.30 ft (0.40 m) above lsd. Highest water level 16.40 ft (5.00 m) below lsd, June 13, Oct. 8, 1970; lowest 44.70 ft (13.62 m) below lsd, Aug. 23, 1960. Records available: 1946-70, 1972. Measurement discontinued. Mar. 2, 1972, 17.3; June 10, 19.5; Aug. 9, 38.5; Oct. 3, 23.6.

Fratt County

373137098411101. Local number 29-13W-13aaa. Formerly 29-13-13aa. E. R. Kessler. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 10 in (25 cm), depth 113 ft (35 m), cased with galvanized iron. Lsd 1,916.7 ft (584.3 m) above msl. MP top of concrete platform, south side, 0.40 ft (0.12 m) above lsd. Highest water level 87.65 ft (26.72 m) below lsd, June 29, 1953; lowest 92.25 ft (28.12 m) below lsd, Dec. 15, 1954. Records available: 1951-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1972	g89.78	Mar. 19, 1973	g89.88	Dec. 14, 1973	89.11	June 26, 1974	g88.43
June 26	g89.85	June 29	g89.58	Jan. 14, 1974	g89.11	Sept. 18	g88.36
Sept. 28	g89.75	Sept. 25	g89.05	Mar. 15	g88.84	Dec. 17	g88.13
Dec. 21	g89.91						

g Measurement made by Kansas State Board of Agriculture.

Rawlins County

394201101033501. Local number 4-33W-18dda. Formerly 4-33-18dd. W. B. Minney. Drilled unused water-table well in Ogallala Formation of Miocene age, diam 5 in (13 cm), depth 104 ft (32 m), cased with galvanized iron. Lsd 3,069 ft (935 m) above msl. MP top north side of hole in pumpbase, 1.37 ft (0.40 m) above lsd. Highest water level 86.19 ft (26.27 m) below lsd, Dec. 17, 1968; lowest 88.52 ft (26.98 m) below lsd, Oct. 13, 1959, Jan. 13, 1960. Records available: 1952-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1972	87.72	Sept. 12, 1972	g87.50	June 6, 1973	g87.46	Jan. 16, 1974	87.34
Mar. 7	g87.42	Jan. 18, 1973	87.55	Sept. 11	g87.59	Mar. 5	g87.30
June 5	g87.46	Mar. 12	g87.44	Dec. 4	g87.38	June 10	g87.41

g Measurement made by Kansas State Board of Agriculture.

Republic County

395909097554601. Local number 1-5W-7bb. U.S. Geol. Survey. Driven and bored observation water-table well in alluvium; diam 14 in (3.2 cm); depth 13 ft (4 m), previously reported 13 ft (4 m); cased with galvanized iron. Lsd 1,515.31 ft (461.57 m) above msl. MP top of pipe, 1.00 ft (0.30 m) above lsd. Highest water level 2.75 ft (0.84 m) below lsd, Sept. 9, 1958; lowest 9.62 ft (2.93 m) below lsd, Mar. 28, 1956. Records available: 1947-72. Measurement discontinued. Mar. 10, 1972, 6.0; June 20, 4.3; Aug. 5, 4.4; Oct. 25, 6.1.

Saline County

384430097351201. Local number 15-2W-18cdd. Formerly 15-2-18cd. U.S. Geol. Survey. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diam 14 in (3.2 cm), depth 44 ft (13 m), cased with galvanized iron. Lsd 1,261.3 ft (384.4 m) above msl. MP top of pipe, 1.40 ft (0.43 m) above lsd. Highest water level 11.50 ft (3.51 m) below lsd, Sept. 18, 1951; lowest 28.65 ft (8.73 m) below lsd, Sept. 7, 1956. Records available: 1946-72. Measurement discontinued. May 16, 1972, 25.40; Nov. 7, 25.27.

Sedgwick County

374651097195901. Local number 26-1E-21bb. Formerly 809. City of Wichita. Driven observation water-table well in sand and gravel of Pleistocene age; diam 14 in (3.2 cm); depth 23 ft (9 m), previously reported 32 ft (10 m); cased with galvanized iron. Lsd 1,330.32 ft (405.48 m) above msl. MP top of pipe, 3.60 ft (1.10 m) above lsd. Highest water level 5.91 ft (1.80 m) below lsd, July 11, 1951; lowest 17.68 ft (5.39 m) below lsd, Jan. 31, 1957. Records available: 1938-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 30, 1972	15.98	Dec. 29, 1972	16.56	Oct. 2, 1973	13.21	July 2, 1974	11.85
June 29	15.94	Apr. 4, 1973	13.67	Jan. 5, 1974	12.22	Oct. 2	13.07
Oct. 1	15.92	July 3	12.53	Apr. 1	12.23	Dec. 30	13.07

Sherman County

392100101441001. Local number 9-40W-24baa. Victoria Van Drasek Estate. Drilled unused water-table well in Ogallala Formation of Miocene age; diam 6 in (15 cm); depth 166 ft (51 m), previously reported 163 ft (50 m); cased with galvanized iron. Lsd 3,607.7 ft (1,127.1 m) above msl. MP top of casing, west side, 0.70 ft (0.21 m) above lsd. Highest water level 135.54 ft (41.31 m) below lsd, Apr. 21, 1953; lowest 164.28 ft (50.07 m) below lsd, Mar. 8, 1973. Records available: 1948-73. Measurement discontinued. Mar. 8, 1972, 164.28 (measurement made by Kansas State Board of Agriculture).

Stafford County

375429098444201. Local number 25-13W-3bbb. Formerly 25-13-3bb. M. L. Halley. Driven unused water-table well in sand and gravel of Pleistocene age; diam 1.25 in (3.2 cm), previously reported 4 in (10 cm); depth 32 ft (10 m); cased with iron, sand point driven in well pit. Lsd 1,932.1 ft (588.9 m), previously reported 1,933.3 ft (589.3 m), above msl. MP top of pipe, 0.80 ft (0.24 m) above lsd. Highest water level 2.75 ft (0.84 m) below lsd, May 21, 1952; lowest dry, Aug. 15, Oct. 22, Nov. 20, 1956. Records available: 1951-74. Measurements made by Kansas State Board of Agriculture.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1972	19.35	Dec. 21, 1972	19.96	Oct. 3, 1973	11.73	June 24, 1974	8.81
June 26	20.37	Mar. 19, 1973	18.75	Dec. 20	8.30	Sept. 16	11.39
Sept. 26	20.73	June 27	13.97	Mar. 14, 1974	7.76	Dec. 18	11.69

Thomas County

392153101223802. Local number 6-36W-18aba2. Nora Carpenter. Drilled unused water-table well in Ogallala Formation of Miocene age, diam 6 in (15 cm), depth 140 ft (43 m), cased. Lsd 3,428 ft (1,045 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 122.09 ft (37.21 m) below lsd, Mar. 9, 1966; lowest 128.02 ft (39.02 m) below lsd, Oct. 14, 1948. Records available: 1942-74.

July 13, 1942	124.52	July 10, 1947	124.84	July 10, 1957	125.17	Dec. 13, 1966	123.24
Sept. 17	124.44	Oct. 15	124.73	Oct. 15	124.64	Mar. 17, 1967	123.04
Oct. 7	125.41	Jan. 15, 1948	124.49	Jan. 7, 1958	124.78	June 6	123.62
Nov. 28	124.50	Apr. 13	124.72	Apr. 16	124.72	Sept. 11	124.20
Dec. 14	125.26	July 14	125.32	July 16	125.42	Dec. 11	123.29
Jan. 12, 1943	124.92	Oct. 14	128.02	Oct. 17	124.60	Jan. 15, 1968	123.48
Feb. 12	124.59	Apr. 14, 1949	124.77	Jan. 16, 1959	124.41	Mar. 18	g123.70
Mar. 13	124.48	July 20	122.89	Apr. 14	124.77	June 12	g124.50
Apr. 13	124.61	Oct. 12	125.05	July 15	125.13	Sept. 17	g124.40
May 6	124.76	Jan. 24, 1950	125.20	Oct. 13	126.02	Dec. 17	123.47
June 9	124.34	Apr. 25	124.32	Jan. 13, 1960	124.35	Jan. 20, 1969	123.54
July 3	125.06	July 25	124.85	Apr. 12	124.19	Mar. 17	g123.33
Aug. 7	124.86	Oct. 9	125.55	July 15	125.00	June 3	g124.15
Sept. 16	124.70	Jan. 8, 1951	125.02	Oct. 14	126.83	Sept. 15	125.19
Oct. 17	125.07	Apr. 24	125.40	Jan. 17, 1961	123.59	Dec. 9	g123.18
Nov. 11	124.59	July 18	124.64	Apr. 14	123.77	Jan. 13, 1970	123.45
Dec. 27	124.76	Oct. 17	125.00	July 14	127.30	Mar. 5	g123.50
Jan. 21, 1944	124.73	Jan. 16, 1952	125.05	26	125.02	June 16	g124.27
Feb. 27	124.47	Apr. 9	124.51	Oct. 17	124.41	Aug. 31	g126.04
Mar. 17	125.25	July 14	125.04	Jan. 16, 1962	124.10	Dec. 7	g125.59
Apr. 25	124.78	Oct. 14	125.01	Apr. 12	124.10	Jan. 20, 1971	123.78
May 25	124.38	Jan. 20, 1953	125.07	July 17	124.30	Mar. 8	g123.90
June 11	124.38	Apr. 21	124.64	Oct. 9	124.05	June 8	g124.33
July 20	124.83	July 8	125.79	Jan. 15, 1963	123.36	Sept. 8	g126.26
Aug. 11	124.90	Oct. 13	125.34	Apr. 9	124.00	Dec. 7	g124.54
Sept. 6	124.50	Jan. 13, 1954	124.50	July 10	125.89	Jan. 13, 1972	124.45
Oct. 19	124.34	Apr. 28	125.39	Oct. 15	125.44	Mar. 7	g124.49
Nov. 27	124.29	July 20	126.45	Dec. 19	123.90	June 5	g125.54
Dec. 19	124.47	Oct. 25	124.88	Mar. 16, 1964	124.15	Sept. 12	g125.26
Jan. 16, 1945	124.65	Jan. 24, 1955	125.85	June 15	124.24	Jan. 17, 1973	124.26
Apr. 25	123.97	Apr. 13	124.38	Sept. 15	125.25	Mar. 12	g124.22
July 10	124.63	July 13	126.05	Mar. 10, 1965	123.41	June 6	g124.50
Oct. 24	124.53	Oct. 11	125.07	June 9	124.20	Sept. 11	g126.10
Jan. 17, 1946	124.96	Jan. 23, 1956	124.40	Sept. 9	124.05	Dec. 4	g125.22
Apr. 25	124.89	Apr. 24	125.27	Dec. 7	123.54	Jan. 18, 1974	124.73
July 9	124.81	May 11	126.55	Jan. 27, 1966	122.26	Mar. 5	g124.96
Oct. 4	125.06	Oct. 16	126.26	Mar. 8	122.09	June 10	g125.20
Jan. 7, 1947	124.98	Jan. 9, 1957	124.10	June 14	123.88	Sept. 10	g126.47
Apr. 3	124.52	Apr. 24	124.85	Sept. 7	124.13	Dec. 4	g125.24

g Measurement made by Kansas State Board of Agriculture.

References

- Bayne, C. K., 1971, Geohydrology of Doniphan County, northeastern Kansas: U.S. Geol. Survey open-file report, 21 p.
- , 1973, Geohydrology of Doniphan County, northeastern Kansas: U.S. Geol. Survey Hydrol. Inv. Atlas HA-462.
- Bayne, C. K., and Ward, J. R., 1974, Geology and hydrology of Rice County, central Kansas: Kansas Geol. Survey Bull. 206, pt. 3, 17 p.
- Broeker, M. E., and McNeill, J. M., 1973, Ground-water level in observation wells in Kansas, 1966-70: Kansas Geol. Survey Basic Data Series Ground-Water Release No. 3, 373 p.
- Fader, C. W., 1974, Ground water in the Kansas River valley, Junction City to Kansas City, Kansas: Kansas Geol. Survey Bull. 206, pt. 2, 12 p.
- Gillespie, J. R., and Stagle, S. E., 1972, Natural and artificial ground-water recharge, Wet Walnut Creek, central Kansas: Kansas Water Resources Board Tech. Rept. No. 17, 94 p.
- Gutentag, E. D., Lobmeyer, D. H., and McGovern, H. E., 1972, Ground water in Kearny County, southwestern Kansas: U.S. Geol. Survey Hydrol. Inv. Atlas HA-416.
- Gutentag, E. D., Lobmeyer, D. H., McGovern, H. E., and Long, W. A., 1972, Ground water in Finney County, southwestern Kansas: U.S. Geol. Survey Hydrol. Inv. Atlas HA-442.
- Gutentag, E. D., and Stullken, L. E., 1974, Ground water in Haskell County, southwestern Kansas: U.S. Geol. Survey Hydrol. Inv. Atlas HA-515.
- Kastner, W. M., 1974, Application of statistical techniques to the estimation of ground-water withdrawals in northwestern Kansas: U.S. Geol. Survey Water-Resources Inv. 41-74, 11 p.
- Layton, D. W., and Berry, D. W., 1973, Geology and ground-water resources of Pratt County, south-central Kansas: Kansas Geol. Survey Bull. 205, 33 p.
- Leonard, R. P., 1972, Chemical quality of water in the Walnut River basin, south-central Kansas: U.S. Geol. Survey Water-Supply Paper 1982, 112 p.

References--Continued.

- Leonard, R. B., 1974, Changes in chemical quality of water, Cedar Bluff Irrigation District area, west-central Kansas: Kansas Geol. Survey Chemical Qual. Series No. 1, 72 p.
- Leonard, R. B., and Stoltenberg, G. A., 1972, Compilation of data for water-quality investigation, Cedar Bluff Irrigation District, Kansas: Kansas State Dept. Health Bull. 1-12, 158 p.
- Lobmeyer, D. H., and Sauer, C. G., 1974, Water resources of Hamilton County, southwestern Kansas: U.S. Geol. Survey Hydrol. Inv. Atlas HA-516.
- McGovern, H. E., and Long, W. A., 1974, Ground water in Gray County, southwestern Kansas: U.S. Geol. Survey Hydrol. Inv. Atlas HA-517.
- McNellis, C. M., 1973, Geology and ground-water resources of Rush County, central Kansas: Kansas Geol. Survey Bull., 207, 45 p.
- O'Connor, H. G., 1974, Geology and ground-water resources of Montgomery County, southeastern Kansas: Kansas Geol. Survey Ground-Water Series No. 1, 12 p.
- Pabst, M. E., and Jenkins, E. D., 1973, Water-level changes in northwestern Kansas 1950-73: Kansas Geol. Survey Jour., 14 p.
- Pabst, M. E., and Jenkins, E. D., 1974, Water-level changes in west-central Kansas, 1950-74: Kansas Geol. Survey Jour., 15 p.
- Pearl, R. H., Roberts, R. S., Keene, K. M., and McClain, T. J., 1970, Water resources of northwestern Kansas: U.S. Geol. Survey Hydrol. Inv. Atlas HA-424.
- Richards, D. B., and Dunaway, T. W., 1972, Geohydrologic data for numerical modeling of ground-water withdrawals in the Little Arkansas River basin area, south-central Kansas: U.S. Geol. Survey open-file report, 426 p.
- Stullken, L. E., Weakly, E. C., Gutentag, E. D., and Slagle, S. E., 1974, Geohydrologic data from Greeley, Wichita, Scott, and Lane Counties, Kansas: Kansas Geol. Survey Basic Data Series Ground-Water Release No. 4, 58 p.
- U.S. Geological Survey, Water resources investigations in Kansas, 1972: U.S. Geol. Survey Folder.
- Ward, J. R., 1973, Geohydrology of Atchison County, northeastern Kansas: U.S. Geol. Survey Hydrol. Inv. Atlas HA-467.
- , 1974, Geohydrology of Nemaha County, northeastern Kansas: Kansas Geol. Survey Ground-Water Series No. 2, 19 p.
- Winalow, J. D., 1972, Geohydrology of Jefferson County, northeastern Kansas: Kansas Geol. Survey Bull. 202, pt. 4, 20 p.

The observation-well program in Minnesota was continued during 1972 through 1974 in cooperation with the Division of Waters, Soils and Minerals, Minnesota Department of Natural Resources, and the West-Central Minnesota Resource Conservation and Development Committee. Figure 5 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 situated. The letters after the section number, which are assigned in a counter-clockwise 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 106.30.9add designates the well in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.106 N., R.30 W.

Well Descriptions and Water-Level Measurements

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

Anoka County

45174209;112102. Local number 32.23.4add2. U.S. Geol. Survey. Bored observation water-table well in glacial outwash sand (Anoka Sand Plain), diam 2 in (5.1 cm), depth 21 ft (6 m), screened 19-21 ft (5.4-6.4 m). Lgd 916 ft (279 m) above msl. MF top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 7.04 ft (2.15 m) below lsd, June 14, 1974; lowest 11.77 ft (3.59 m) below lsd, Feb. 6, 1970. Records available: 1969-74. Recording gage installed April 1973.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 27, 1969	10.60	July 16, 1970	9.94	July 9, 1971	9.29	June 30, 1972	9.19
Oct. 16	11.29	Aug. 28	10.52	Aug. 25	10.37	Aug. 14	8.62
Nov. 24	11.37	Oct. 4	10.34	Oct. 12	10.59	Sept. 25	8.65
Dec. 22	11.52	Nov. 25	7.95	Dec. 9	8.59	Nov. 3	8.73
Feb. 6, 1970	11.77	Jan. 8, 1971	9.01	Jan. 20, 1972	9.24	Dec. 19	8.93
Mar. 16	11.62	Feb. 23	9.62	Mar. 13	9.63	Jan. 26, 1973	9.05
May 6	9.75	Apr. 9	8.61	Apr. 19	8.26	Mar. 8	9.16
June 12	8.22	May 26	8.35	June 5	8.91		

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.30	7.96	8.99	9.98	....	10.20	9.89	9.52
10	8.35	8.11	9.21	....	....	10.12	9.89	9.55
15	8.18	8.39	9.42	....	10.46	9.94	9.90	9.62
20	8.47	8.57	9.61	....	10.52	9.84	9.76	9.59
25	8.41	8.06	8.63	9.70	....	10.33	9.78	9.68
Sum	8.46	7.74	8.84	9.85	....	10.21	9.75	9.64	9.70

1974

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.71	10.02	10.05	9.34	8.38	8.37	8.48	9.22	9.72	9.98	9.94	9.95
10	9.67	9.98	9.87	9.00	8.28	7.35	8.76	8.98	9.59	9.98	9.85	9.98
15	9.74	10.07	9.67	8.61	8.41	7.11	8.93	9.11	8.67	10.03	9.84	10.04
20	9.87	10.14	9.56	8.30	8.37	7.48	9.08	9.20	9.84	10.16	9.85	10.17
25	9.88	10.20	9.52	8.36	8.44	7.88	9.20	9.36	9.81	10.21	9.90	10.20
Sum	9.98	10.10	9.50	8.34	8.56	8.17	9.50	9.58	10.01	10.08	9.98	10.23

Brown County

441030094254501. Local number 108.30.9add. Erwin Fjelshus. Drilled unused water-table well in glacial drift, diam 16 in (41 cm), depth 32 ft (10 m), casing information not available. Lsd 1,003 ft (306 m) above ms1. MP top of concrete cover, 0.40 ft (0.12 m) above lsd. Highest water level 2.59 ft (0.79 m) below lsd, Apr. 9, 1969; lowest 17.68 ft (5.39 m) below lsd, Feb. 28, 1956. Records available: 1942-74.

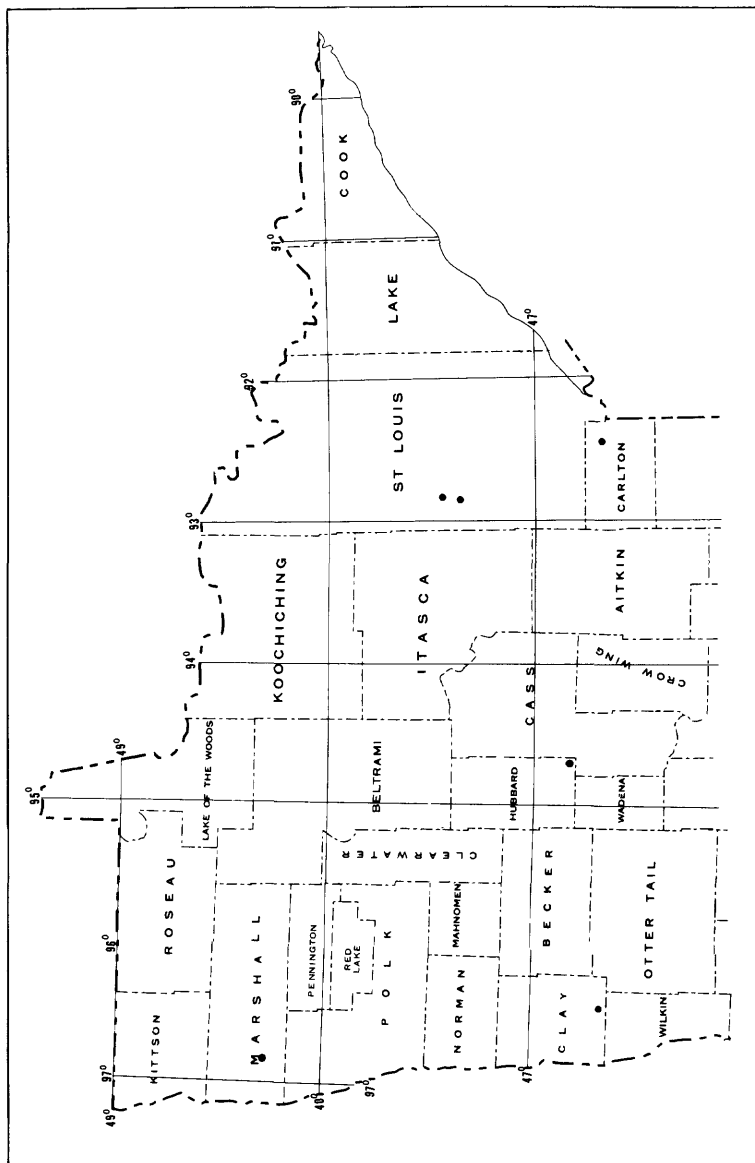
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1972	5.77	Aug. 12, 1972	5.55	May 11, 1973	4.17	Feb. 8, 1974	12.74
13	5.95	18	6.07	29	4.51	18	12.87
20	6.02	28	6.50	June 10	5.09	Mar. 6	7.95
27	6.14	Sept. 2	6.78	19	5.48	18	7.55
Feb. 5	6.32	9	7.16	27	6.29	27	7.43
12	6.37	19	7.32	July 4	6.70	Apr. 10	3.46
19	6.69	27	7.39	16	7.85	13	6.20
25	6.69	Oct. 6	7.80	22	8.45	29	6.07
Mar. 2	6.85	17	7.99	31	9.06	May 7	6.20
9	6.90	25	7.87	Aug. 6	9.50	22	5.58
16	6.57	Nov. 4	76.77	12	10.29	June 5	4.30
24	4.00	14	76.30	18	10.85	15	3.68
30	4.16	24	75.90	27	11.25	25	4.39
Apr. 8	3.87	30	75.43	Sept. 2	11.63	July 5	5.34
19	4.27	Dec. 12	5.87	10	12.25	24	7.38
27	3.93	20	6.05	18	12.80	Aug. 4	7.60
May 4	3.60	30	6.30	25	13.24	13	7.46
12	4.04	Jan. 9, 1973	6.09	Oct. 2	13.17	27	8.77
19	4.32	20	6.30	7	13.15	Sept. 3	6.43
25	4.45	26	6.46	21	13.13	9	9.92
June 3	4.06	Feb. 5	6.56	31	13.27	14	10.46
9	4.08	16	6.74	Nov. 6	13.69	24	10.34
16	4.42	Mar. 5	5.85	13	13.70	Oct. 12	12.01
21	4.53	17	4.96	27	13.21	31	12.07
28	4.80	26	4.56	Dec. 4	12.58	Nov. 6	12.12
July 5	5.27	Apr. 5	4.25	12	12.19	1	11.36
13	5.04	12	4.43	28	11.96	20	12.08
19	5.34	20	4.43	Jan. 17, 1974	12.22	Dec. 5	12.54
27	4.84	28	4.36	30	12.41	24	13.26
Aug. 5	5.21	May 5	3.92				

↓ Broken water pipe near well.

Carlton County

464250092274201. Local number 49.17.23caa. City of Cloquet. Drilled unused water-table well in glacial sand and gravel, diam 12 in (30 cm), depth 51 ft (16 m), screened 26-46 ft (8-14 m). Lsd 1,230 ft (375 m) above ms1. MP top of wood platform, 1.40 ft (0.43 m) above lsd. Highest water level 4.66 ft (1.42 m) below lsd, Aug. 17, 1953; lowest 16.59 ft (5.06 m) below lsd, Mar. 9, 1964. Records available: 1948-74. Measured by Warren Hebert.

Jan. 3, 1972	7.75	Oct. 2, 1972	6.27	June 4, 1973	7.91	Mar. 12, 1974	10.45
10	7.72	9	6.47	18	8.04	18	10.54
18	7.80	16	6.39	25	8.09	25	10.70
24	7.98	24	6.76	July 2	8.30	Apr. 1	10.81
31	8.11	30	6.94	9	8.48	8	10.73
Feb. 14	8.25	Nov. 7	6.79	16	8.56	15	10.50
21	8.46	13	7.03	23	8.62	22	10.42
28	8.55	21	7.27	Aug. 6	8.42	May 1	10.35
Mar. 6	8.66	27	7.41	13	7.87	6	10.40
13	8.86	Dec. 5	7.66	20	8.24	13	10.28
21	8.47	18	7.95	Sept. 3	7.40	20	10.16
27	8.47	26	8.08	10	7.59	28	10.14
Apr. 3	8.66	Jan. 3, 1973	3.19	24	8.07	June 3	10.10
10	8.71	11	8.22	Oct. 2	8.12	17	9.67
24	8.47	15	8.37	8	8.29	24	9.88
May 1	8.13	22	8.30	15	7.31	July 1	9.92
9	7.89	29	8.43	22	6.01	8	9.82
15	7.89	Feb. 5	8.52	29	8.25	15	9.77
22	8.04	12	8.52	Nov. 13	9.55	29	9.64
30	8.12	19	8.54	19	8.78	Aug. 12	9.42
July 3	8.35	Mar. 12	8.72	Dec. 3	8.77	19	9.61
10	8.52	19	8.42	10	8.95	25	9.76
18	8.49	26	8.35	26	9.30	Sept. 3	9.94
24	7.80	Apr. 2	8.37	Jan. 17, 1974	9.55	3	10.12
31	7.90	16	8.43	7	9.79	22	10.43
Aug. 7	7.98	23	8.22	21	4.85	30	10.60
14	7.87	May 1	8.05	Feb. 6	10.20	Oct. 7	10.73
21	8.12	7	8.05	11	10.24	14	10.80
28	6.44	14	8.06	19	10.42	Dec. 16	11.65
Sept. 11	6.59	21	8.06	25	10.56	23	11.86
25	6.08	29	7.87	Mar. 5	10.59		



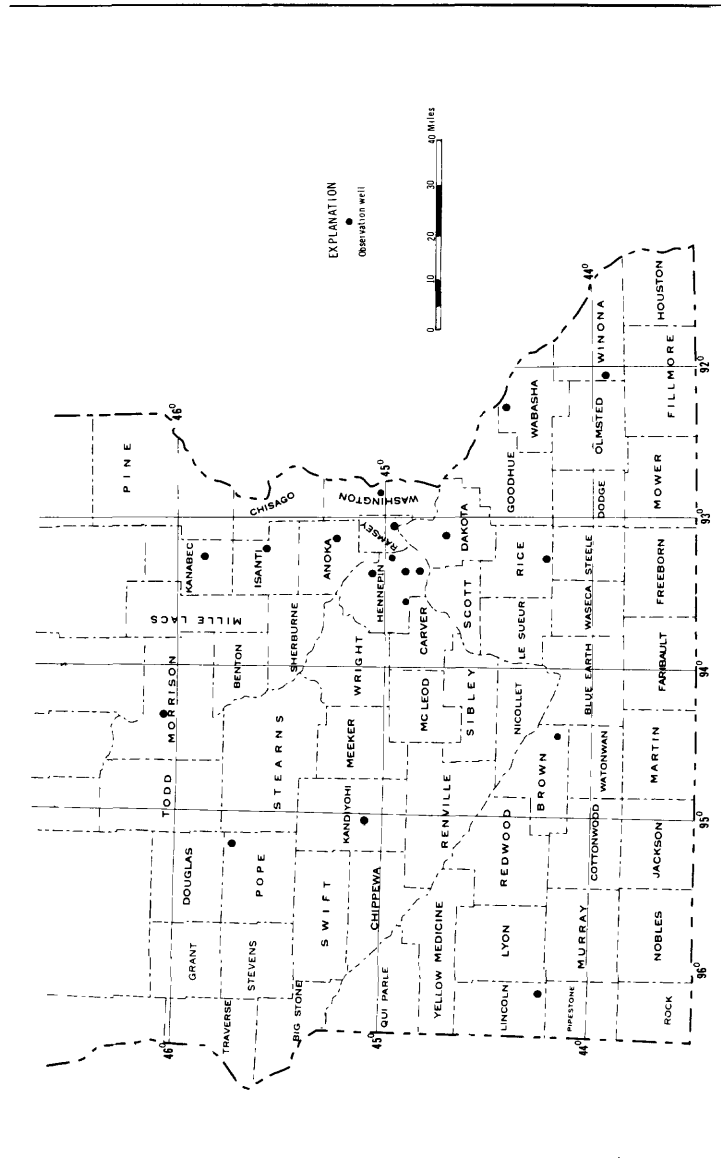


Figure 5.--Location of observation wells in Minnesota, 1972-74.

Clay County

463854096250701. Local number 177.45.30cdbl. City of Barnesville. Drilled unused water-table well in glacial drift, diam 10 in (25 cm), depth 73 ft (22 m), casing information not available. Lsd 1,022 ft (312 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 1.86 ft (0.57 m) below lsd, June 9, 1962; lowest 11.86 ft (3.61 m) below lsd, Jan. 3, 1970. Records available: 1944-74. Measured by Everett Mudderman.

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
Jan. 3, 1972	2.14	Oct. 7, 1972	9.58	July 7, 1973	9.98	Apr. 20, 1974	10.46
15	9.16	14	9.64	14	10.12	27	9.44
22	2.14	21	9.58	21	10.26	May 4	9.42
29	9.18	28	9.60	28	10.28	11	9.34
Feb. 5	9.12	Nov. 4	9.64	Aug. 4	10.24	18	9.16
12	9.14	11	9.58	13	10.22	25	9.08
19	9.16	18	9.62	Sept. 1	10.24	June 1	8.96
26	9.14	25	9.60	8	10.22	8	8.84
Mar. 4	9.16	Dec. 1	4.58	15	10.24	14	8.86
18	9.24	9	9.58	22	10.12	21	8.96
25	9.40	16	9.56	29	10.06	29	9.07
Apr. 1	9.38	23	9.58	Oct. 13	9.92	July 6	9.24
8	9.46	Jan. 6, 1973	9.58	27	9.86	13	9.52
15	9.36	13	9.54	Nov. 3	9.84	19	9.48
22	9.34	20	9.70	10	9.82	27	9.44
29	9.28	27	9.72	17	9.84	Aug. 3	9.52
May 6	9.12	Feb. 3	9.82	24	9.72	10	9.46
13	8.92	10	9.78	Dec. 1	9.72	17	9.28
20	8.74	17	9.76	9	9.70	24	9.48
27	8.72	24	9.78	15	9.68	31	9.44
June 3	8.64	Mar. 3	9.76	22	9.68	Sept. 7	9.52
10	8.68	10	9.78	29	9.68	14	9.54
17	8.66	17	9.80	Jan. 5, 1974	9.68	21	9.56
July 1	8.54	24	9.85	12	9.66	28	9.54
8	9.56	31	9.68	19	9.72	Oct. 5	9.56
15	8.58	Apr. 7	9.66	26	9.70	12	9.62
22	8.58	14	9.64	Feb. 2	9.68	19	9.58
29	8.54	21	9.66	9	9.70	26	9.56
Aug. 5	8.56	28	9.58	16	9.72	Nov. 2	9.54
12	8.56	May 5	9.62	23	9.76	9	9.56
19	8.58	12	9.62	Mar. 9	9.82	16	9.52
26	8.56	19	9.64	16	9.86	23	9.54
Sept. 2	8.56	26	9.66	16	9.84	30	9.52
9	9.58	June 2	9.72	22	9.82	7	9.56
16	9.56	16	9.76	30	9.80	14	9.54
23	9.52	23	9.84	Apr. 6	9.76	21	9.52
30	9.58	30	9.94	13	9.62	28	9.54

Dakota County

444220093055001. Local number 114.17.4ddal. Agricultural Experiment Station. Rosemount. Drilled irrigation and domestic artesian well in Jordan Sandstone of Late Cambrian age, diam 6 in (15 cm), depth 415 ft (126 m), casing to 355 ft (108 m). Lsd 940 ft (287 m) above msl. MP top of 1-in (2.5-cm) breather pipe, 2.10 ft (0.64 m) above lsd. Highest water level 62.88 ft (19.17 m) below lsd, Sept. 28, 1972; lowest 65.43 ft (19.96 m) below lsd, Nov. 27, 1970. Records available: 1970-72.

Apr. 5, 1970	65.12	Oct. 12, 1971	63.89	Dec. 14, 1972	63.90	Jan. 22, 1974	63.12
Sept. 4	65.08	Dec. 6	64.17	Jan. 24, 1973	63.83	Mar. 6	63.06
Oct. 3	64.42	Jan. 19, 1972	64.19	Mar. 7	63.62	Apr. 18	63.00
Nov. 17	65.23	Mar. 10	64.20	Apr. 18	63.12	May 29	62.88
Jan. 8, 1971	64.93	Apr. 18	63.74	May 31	62.37	Aug. 1	63.14
Feb. 25	65.01	June 1	63.90	July 12	63.03	Oct. 20	63.08
Apr. 12	64.99	June 28	63.68	Aug. 20	63.07	Dec. 2	63.45
May 27	64.29	Aug. 15	63.89	Sept. 20	62.88	Nov. 12	63.35
July 9	64.39	Sept. 22	63.84	Nov. 6	63.05	Dec. 13	63.60
Aug. 26	64.07	Nov. 7	63.81	Dec. 11	62.89		

Hennepin County

445024093130301. Local number 24.23.30bdal. Tescom Corporation. 2633 Fourth St. SE., Minneapolis. Drilled unused artesian well in dolomite of Prairie du Chien Group of Early Ordovician age and Brian Sandstone of Late Cambrian age, diam 6 in (20 cm), depth 445 ft (136 m), reported to 100 ft (30 m). Lsd 845 ft (258 m) above msl. MP top of wood platform, 12.20 ft (3.71 m) below lsd. Highest water level 77.9 ft (23.7 m) below lsd, Apr. 21, Dec. 26, 1952; lowest 146.6 ft (44.7 m) below lsd, Aug. 3, 1959. Records available: 1952-74. Water levels affected by regional pumping.

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	101.2	104.3	99.2	101.3	106.9	120.0	119.5	120.4	105.9	112.6	96.6	99.7
10	102.5	104.0	104.5	101.0	110.4	124.2	117.4	118.0	107.6	107.8	102.0	97.6
15	101.3	103.6	104.1	102.4	111.1	121.6	122.1	127.0	116.0	101.7	101.5	101.3
20	105.3	100.0	100.9	105.8	123.5	115.9	125.1	125.4	118.7	103.8	99.0	102.5
25	103.0	103.7	102.5	104.6	125.6	111.7	123.3	120.5	109.0	103.8	93.9	90.3
30	102.2	103.1	104.2	102.5	112.2	122.7	120.0	125.4	108.4	101.9	100.7	93.9

445824093130101--Continued.

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	100.6	99.0	98.6	98.2	100.0	110.2	115.5	113.2	112.9	108.0	98.1	98.2
10	99.2	101.1	98.2	97.5	104.0	109.9	122.6	121.3	116.7	111.3	99.3	95.9
15	99.0	102.7	98.5	98.6	102.7	120.2	117.9	118.2	111.8	104.9	99.7	98.2
20	100.4	95.4	97.4	97.5	102.9	115.4	124.2	116.9	107.5	105.3	98.1	96.2
25	101.9	98.2	94.1	99.3	108.5	115.6	122.1	116.7	107.4	106.2	93.1	88.0
Eom	101.9	99.1	98.3	98.5	108.6	116.3	115.1	121.6	104.2	106.5	99.5	89.6

1974

5	92.9	95.8	96.4	....	96.8	109.5	106.2	114.2	106.3	103.4	95.6	94.7
10	95.8	92.9	....	....	100.3	103.9	121.3	112.5	106.1	104.4	93.3	95.9
15	95.5	95.0	....	....	97.7	106.8	114.8	113.8	99.9	99.5	96.1	93.4
20	93.2	96.0	....	....	100.6	104.4	117.9	113.5	108.3	97.6	96.2	95.7
25	96.6	94.4	....	100.1	100.0	110.6	118.1	108.2	106.1	102.2	40.3	84.5
Eom	97.7	97.6	....	99.7	103.9	107.7	115.0	110.4	102.1	103.4	84.0	87.4

445615093213301. Local number 117.21.16cca. City of St. Louis Park. Drilled unused artesian well in dolomite of Prairie du Chien Group of Early Ordovician age and Jordan Sandstone of Late Cambrian age, diam 16 in (41 cm), depth 421 ft (128 m), reported cased to 280 ft (85 m). Lsd 916.82 ft (279.45 m) above msl. MP floor of wellhouse, 0.70 ft (0.21 m) above lsd. Highest water level 66.0 ft (20.1 m) below lsd, Mar. 23, 1953; lowest 110.5 ft (33.6 m) below lsd, July 31, 1953. Records available: 1953-74. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	79.3	80.8	78.8	75.8	84.2	92.1	86.4	92.4	....	84.1	80.2	79.7
10	81.2	75.2	80.3	79.5	86.2	97.0	88.2	90.0	....	84.2	82.4	77.7
15	81.8	79.3	79.4	81.4	86.2	94.6	89.3	90.2	....	83.2	81.1	81.6
20	81.5	78.6	79.6	81.7	100.0	90.7	91.2	104.5	....	....	79.3	90.7
25	80.8	79.9	81.2	81.6	99.9	90.4	91.4	....	83.9	81.7	76.7	75.4
Eom	80.3	78.7	81.0	82.1	95.4	95.3	91.2	....	82.3	82.4	77.2	77.2

1973

5	....	....	....	79.4	81.2	87.5	97.3	91.6	90.7	....	81.5	79.7
10	....	....	79.2	....	83.0	92.7	100.7	98.6	89.0	84.6	81.2	79.6
15	....	....	80.5	....	80.5	105.1	104.5	94.2	86.0	84.3	81.7	78.4
20	....	....	70.6	83.3	73.0	21.1	107.2	91.5	87.7	84.8	79.9	80.5
25	79.1	....	77.1	30.2	76.6	60.3	94.2	80.5	84.1	87.0	76.6	76.0
Eom	....	....	79.8	80.6	87.7	96.0	88.5	93.7	82.9	83.1	79.9	76.0

1974

5	78.3	79.7	78.4	80.2	82.0	80.4	100.5	86.0	90.9	83.4	80.1	79.4
10	79.3	78.3	78.4	80.1	82.5	83.7	102.9	87.0	85.9	85.2	79.1	90.2
15	78.9	80.7	79.2	78.5	82.7	87.6	86.9	84.1	91.5	82.5	81.8	79.1
20	77.8	80.5	78.6	78.2	85.6	90.3	97.2	91.4	77.9	81.7	80.6	81.0
25	79.4	79.4	78.3	80.0	83.5	81.9	99.0	88.6	87.4	84.7	79.8	77.7
Eom	79.5	79.0	77.0	80.7	89.1	90.2	91.5	91.9	....	82.4	78.2	78.5

445347093213601. Local number 117.21.32dad1. Village of Edina, well 9. Hansen 51. and Benton Ave. Drilled public-supply artesian well in Hinckley Sandstone of Precambrian age; diam 26 to 10 in (41 to 25 cm); depth 1,130 ft (344 m); 24-in (61-cm) casing 1,124 ft (342 m), 16-in (41-cm) casing 0-563 ft (0-172 m), 10-in (25-cm) casing 523-1,010 ft (162-308 m). Lsd 933.29 ft (284.47 m) above msl. MP hole in east side of pumpbase, 2.00 ft (0.61 m) above lsd. Highest water level 230.81 ft (70.35 m) below lsd, Apr. 20, 1962; lowest 360.60 ft (112.65 m) below lsd, Aug. 28, 1971. Records available: 1961-74. Water levels affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1972	279.09	Nov. 8, 1972	303.86	Aug. 21, 1973	304.12	Apr. 18, 1974	313.51
Mar. 10	299.00	Dec. 14	300.25	Sept. 23	311.29	May 29	314.02
Apr. 18	294.04	Jan. 24, 1973	292.33	Nov. 5	300.36	Aug. 24	340.56
June 1	299.39	Mar. 7	289.84	Dec. 11	307.01	Oct. 2	325.70
28	304.33	Apr. 18	295.84	Jan. 22, 1974	306.15	Nov. 12	303.90
Aug. 15	315.84	May 31	304.17	Mar. 5	301.86	Dec. 12	293.66
Sept. 22	308.70	June 12	338.33				

445740093333001. Local number 117.23.11tbl1. Minnetonka Boat Works, Inc. Drilled observation artesian well in dolomite of Prairie du Chien Group of Early Ordovician age and Jordan Sandstone of Late Cambrian age, diam 6 in (15 cm), depth 437 ft (133 m), cased to 273 ft (83 m). Lsd 930.81 ft (283.71 m) above msl. MP wood floor of instrument shelter, 3.30 ft (1.01 m) above lsd. Highest water level 14.05 ft (4.28 m) below lsd, Apr. 30, 1954; lowest 30.46 ft (9.29 m) below lsd, July 10, 1974. Records available: 1942-46, 1948-74. Water levels affected by regional pumping.

Jan. 18, 1972	21.01	Nov. 6, 1972	21.69	Aug. 24, 1973	24.56	May 29, 1974	27.95
Mar. 9	21.19	Dec. 22	21.32	Sept. 26	23.03	July 10	30.48
Apr. 18	21.00	Jan. 24, 1973	21.13	Nov. 6	23.41	Aug. 21	25.32
June 1	22.60	Mar. 7	21.09	Dec. 11	21.98	Oct. 2	24.73
28	22.60	Apr. 17	21.21	Jan. 22, 1974	21.94	Nov. 12	25.92
Aug. 14	25.02	May 31	22.27	Mar. 5	21.99	Dec. 12	22.49
Sept. 22	22.91	July 13	29.19	Apr. 22	22.06		

450223093231801. Local number 11b.21.7dct1. Village of New Hope. 47th Ave. North and Aquila Ave. Drilled unused artesian well in Jordan Sandstone of Late Cambrian age, diam 16 in (41 cm), depth 422 ft (129 m), cased to 339 ft (103 m). Lsd 933 ft (284 m) above msl. MP top of wood platform, 3.00 ft (0.91 m) above lsd. Highest water level 60.46 ft (18.43 m) below lsd, Dec. 17, 1967; lowest 71.35 ft (21.75 m) below lsd, July 11, 1970. Records available: 1965-74. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	62.72	62.95	.....	62.32	63.31	65.67	65.25	65.79	64.70	64.28	63.43	62.44
10	62.41	63.06	62.88	62.32	63.49	67.13	65.39	65.11	65.13	63.62	63.25	62.65
15	63.52	62.92	63.33	62.80	63.88	66.52	65.94	66.16	65.28	64.02	63.08	62.69
20	63.07	62.75	62.38	63.18	66.22	66.04	65.92	68.05	65.70	63.73	62.83	62.23
25	63.23	62.71	62.61	63.02	66.83	65.87	65.72	66.41	64.86	63.41	62.56	62.12
Eom	62.85	62.56	62.41	63.22	64.92	66.44	65.68	66.36	64.32	63.47	62.65	61.92

1973

5	62.45	61.94	61.86	62.25	63.18	64.44	66.43	66.32	65.62	64.90	64.03	62.97
10	61.96	62.24	63.05	62.19	63.23	65.05	67.34	67.05	64.84	63.71	63.98	62.97
15	61.86	62.36	62.14	62.40	63.01	66.94	67.75	66.86	65.79	64.40	63.50	63.22
20	62.51	61.95	62.03	63.25	64.06	65.81	68.00	66.40	65.19	64.63	63.10	63.14
25	62.12	62.17	62.13	62.97	63.85	65.89	66.60	65.96	64.80	64.66	62.71	62.42
Eom	61.96	61.97	62.61	62.74	63.92	66.75	65.45	66.44	64.73	63.82	63.47	62.77

1974

5	62.57	62.73	62.30	63.30	63.52	64.07	66.45	65.59	65.81	64.01	63.34	62.56
10	62.68	62.84	63.05	62.96	63.32	63.58	68.02	65.84	64.84	63.71	63.02	62.39
15	62.07	63.03	62.78	62.84	63.09	64.00	66.46	65.36	64.26	63.47	62.99	62.57
20	62.38	62.80	62.79	62.98	63.17	64.35	66.58	65.45	64.86	63.92	62.86	62.81
25	62.47	62.97	62.70	62.88	63.80	64.33	67.34	65.43	64.25	64.01	63.00	62.57
Eom	62.88	62.70	62.77	63.04	64.15	65.73	67.97	65.93	64.53	63.84	62.82	62.55

Hubbard County

465142094432201. Local number 139.32.16aaa. U.S. Geol. Survey, Badoura Nursery. Bored observation water-table well in glacial outwash sand, diam 14 in (3.2 cm), depth 21 ft (6 m), well point 19-21 ft (5.8-6.4 m). Lsd 1,423 ft (434 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 10.78 ft (3.29 m) below lsd, Oct. 30, 1973; lowest 13.75 ft (4.19 m) below lsd, July 24, Oct. 3, 9, 1973. Records available: 1970-74. Measured by Archie Hakala.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 3, 1970	12.73	Aug. 2, 1971	12.15	June 27, 1972	11.64	May 22, 1973	13.66
15	12.70	10	12.20	July 4	11.75	29	13.67
22	12.75	17	12.27	10	11.82	June 4	13.67
29	12.79	24	12.38	18	11.86	12	13.69
Oct. 6	12.85	31	12.48	25	11.89	19	13.68
13	12.91	Sept. 7	12.49	Aug. 1	11.92	25	13.66
20	12.95	14	12.54	8	11.96	July 3	13.71
27	12.96	21	12.62	15	12.00	10	13.72
Nov. 3	12.85	28	12.63	22	12.03	17	13.73
10	12.66	5	12.69	29	12.08	24	13.75
17	12.54	Oct. 12	12.71	Sept. 5	12.12	31	13.58
24	12.49	19	12.75	12	12.20	Aug. 6	13.46
Dec. 1	12.50	26	12.75	19	12.27	14	13.40
8	12.60	Nov. 3	12.47	26	12.32	21	13.35
15	12.61	10	12.10	Oct. 3	12.38	28	13.34
22	12.70	16	12.01	10	12.42	Sept. 5	13.48
29	12.76	23	11.96	17	12.48	10	13.54
Jan. 5, 1971	12.85	30	11.98	24	12.57	17	13.66
12	12.66	Dec. 7	12.01	31	12.68	25	13.71
19	12.97	14	12.06	Nov. 7	12.69	Oct. 3	13.75
26	12.98	21	12.18	14	12.74	9	13.75
Feb. 2	13.02	28	12.20	21	12.81	16	11.32
9	13.05	Jan. 4, 1972	12.28	28	12.85	23	10.87
16	13.12	11	12.32	Dec. 5	12.89	30	10.78
23	13.17	18	12.40	12	12.94	Nov. 6	10.86
Mar. 2	13.24	26	12.48	19	13.00	13	10.87
10	13.28	Feb. 1	12.49	26	13.05	20	11.07
17	13.35	8	12.55	Jan. 9, 1973	13.11	27	10.91
24	13.37	15	12.59	9	13.17	Dec. 4	11.19
30	13.40	22	12.66	16	13.21	11	11.20
Apr. 6	13.41	29	12.69	23	13.28	18	11.32
13	13.84	Mar. 7	12.71	30	13.32	26	11.37
20	12.71	14	12.78	Feb. 6	13.39	Jan. 2, 1974	11.41
27	12.56	21	12.71	14	13.47	9	11.52
May 4	13.44	27	12.57	21	13.50	15	11.56
11	12.36	Apr. 11	12.65	27	13.54	24	11.68
18	12.30	4	12.67	Mar. 6	13.58	30	11.74
25	12.22	18	12.29	13	13.52	Feb. 6	11.79
June 1	12.20	25	12.06	20	13.52	12	11.82
8	12.25	May 2	11.89	27	13.55	26	11.93
15	12.30	9	11.74	Apr. 3	13.61	Mar. 5	12.00
23	12.36	16	11.62	10	13.64	12	12.10
29	12.49	23	11.57	17	13.63	19	12.15
July 6	12.46	30	12.50	24	13.66	26	12.22
13	12.54	June 6	11.47	May 1	13.67	Apr. 2	12.26
20	12.40	15	11.56	8	13.57	9	12.33
27	12.19	21	12.58	15	12.60	16	11.96

465142094432201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 23, 1974	11.98	June 25, 1974	11.02	Aug. 27, 1974	11.57	Oct. 29, 1974	12.15
30	11.82	July 3	11.20	Sept. 3	11.62	Nov. 5	12.20
May 8	11.68	9	11.29	10	11.62	12	12.22
14	11.59	16	11.24	17	11.70	19	12.22
21	11.50	22	11.26	24	11.76	26	12.25
28	11.31	30	11.32	Oct. 1	11.90	Dec. 3	12.34
June 4	11.22	Aug. 6	11.40	8	11.94	10	12.37
11	11.15	13	11.43	15	12.01	18	12.42
18	11.06	22	11.55	22	12.10	24	12.44

Isanti County

453410093140001. Local number 36.23.32acbl. Village of Cambridge. Drilled public-supply artesian well in Hinckley Sandstone of Precambrian age, diam 20 in (51 cm), depth 630 ft (192 m), cased to 352 ft (107 m). Lsd 960 ft (293 m) above ms1. MP edge of vent pipe, 3.00 ft (0.91 m) above lsd. Highest water level 2.50 ft (0.76 m) below lsd, Jan. 17, 1974; lowest 7.05 ft (2.15 m) below lsd, Aug. 1, 1974. Records available: 1972-74. Water levels affected by pumping of nearby wells. Measured by Thomas Minor.

July 25, 1972	5.00	Mar. 15, 1973	3.59	Oct. 18, 1973	5.46	May 23, 1974	5.55
Aug. 21	4.74	22	4.39	25	5.75	30	5.75
24	2.97	29	4.67	Nov. 1	5.70	June 6	5.94
31	3.13	5	4.63	8	5.66	13	4.95
Sept. 7	5.05	12	4.95	15	5.90	20	5.59
14	5.26	19	4.98	22	5.70	27	6.16
21	5.60	26	5.14	29	5.43	July 5	4.54
28	4.95	May 3	5.15	Dec. 6	5.54	11	a16.95
Oct. 5	5.40	10	5.02	13	5.50	18	7.00
12	5.21	18	2.83	20	4.90	25	4.70
19	5.22	24	2.60	27	4.85	Aug. 1	7.05
26	4.72	31	4.96	Jan. 3, 1974	4.80	6	5.10
Nov. 2	4.02	June 7	3.00	10	4.60	22	6.75
9	5.00	14	3.20	17	2.50	29	6.78
15	4.88	21	5.37	24	5.77	Sept. 5	6.75
24	4.54	28	5.33	31	6.00	12	6.95
30	4.80	July 5	5.58	Feb. 6	6.00	19	6.55
Dec. 6	5.14	12	7.00	14	5.90	26	6.55
14	3.00	19	7.00	21	5.49	Oct. 3	6.32
21	2.90	26	6.15	28	5.00	11	6.20
29	3.10	Aug. 2	5.92	Mar. 7	5.86	18	6.70
Jan. 4, 1973	2.95	9	4.33	15	5.20	24	6.40
11	5.30	16	5.77	21	5.15	Nov. 7	4.68
18	3.78	23	4.48	28	6.00	14	5.44
25	3.00	30	4.17	Apr. 4	5.84	21	3.94
Feb. 1	2.94	Sept. 6	6.92	11	5.84	Dec. 28	4.27
8	4.74	14	4.80	18	5.59	5	4.50
15	3.19	20	6.93	25	5.50	12	6.96
22	4.64	27	6.02	May 2	5.50	19	5.34
Mar. 8	3.12	Oct. 4	6.11	9	6.00	26	6.92
28	3.24	11	4.85	16	5.75		

a Well being pumped.

Kanabec County

455236093172301. Local number 39.24.11ddc. Village of Mora. Drilled public-supply artesian well in sand and gravel of Pleistocene age, diam 12 in (30 cm), depth 170 ft (52 m), cased to 150 ft (46 m), screened 150-170 ft (46-52 m). Lsd 1,011 ft (308 m) above ms1. MP edge of vent pipe, 2.40 ft (0.73 m) above lsd. Highest water level 32.28 ft (9.84 m) below lsd, Apr. 6, 1973; lowest 44.36 ft (13.52 m) below lsd, Apr. 22, 1968. Records available: 1968-74. Measured by Donald Dahl.

Mar. 18, 1968	43.00	Aug. 26, 1968	42.74	Feb. 3, 1969	39.64	July 15, 1969	35.35
25	42.99	Sept. 3	42.68	10	39.66	22	35.46
Apr. 1	43.00	9	42.83	17	39.77	30	35.77
8	42.97	16	42.96	24	39.94	Aug. 6	35.76
15	42.85	23	42.80	Mar. 3	40.05	15	36.25
22	44.36	30	42.42	10	40.22	21	36.79
29	43.84	Oct. 7	42.25	17	40.24	28	37.15
May 6	43.73	14	41.80	24	40.36	Sept. 5	36.88
13	43.64	21	40.74	31	40.26	11	37.15
20	43.66	28	39.42	Apr. 7	40.09	18	37.37
27	43.61	Nov. 4	38.68	14	37.88	26	37.23
June 3	43.77	11	38.15	21	36.31	Oct. 3	37.68
10	43.68	18	38.12	28	35.33	9	37.67
17	43.54	25	38.25	May 5	34.24	18	36.01
24	43.26	Dec. 2	38.18	12	33.85	24	38.24
July 1	42.89	9	38.47	19	33.74	30	38.39
8	42.42	16	38.46	26	33.81	Nov. 6	38.47
15	42.25	23	38.60	June 2	34.20	13	38.54
22	42.49	31	38.80	10	34.73	20	38.73
29	42.44	Jan. 6, 1969	38.78	16	34.78	28	38.77
Aug. 5	42.42	13	39.04	24	35.15	Dec. 5	39.10
12	42.46	20	39.22	30	35.19	13	39.26
19	42.52	27	39.52	July 7	35.09	19	39.47

455236093172301--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 26, 1969	39.48	Apr. 2, 1971	41.23	July 7, 1972	35.45	Oct. 5, 1973	36.15
Jan. 2, 1970	39.55		39.86	15	35.77	12	36.10
	39.72	16	39.20	21	36.05	19	35.69
16	39.46	23	37.20	26	36.03	26	35.79
21	40.09	30	36.77	Aug. 4	33.46	Nov. 2	35.73
30	40.21	May 7	36.53	11	32.97	9	36.04
Feb. 6	40.43	14	36.60	16	32.69	17	36.09
13	40.62	21	36.73	25	32.62	23	36.14
20	40.77	26	36.37	Sept. 1	32.60	30	36.20
27	40.80	June 1	36.30	8	32.82	7	36.23
Mar. 6	40.80	10	36.50	15	32.66	14	36.43
15	40.37	12	36.30	21	32.14	21	36.38
20	40.87	24	36.48	29	32.90	29	36.58
27	40.94	July 1	36.54	Oct. 6	33.02	Jan. 4, 1974	36.62
Apr. 3	41.03	9	36.70	13	33.21	11	37.07
10	40.90	16	36.66	20	33.02	18	37.24
17	40.47	23	37.10	27	33.17	25	37.34
24	39.73	30	37.25	Nov. 3	33.22	Feb. 1	37.64
May 1	38.74	Aug. 6	37.56	10	33.08	8	37.83
6	38.27	13	37.90	18	33.07	15	38.10
15	37.77	20	38.30	24	33.94	22	38.32
22	37.92	27	38.46	Dec. 1	33.17	Mar. 1	38.38
29	37.86	Sept. 3	38.46	9	33.49	8	38.60
June 6	38.05	10	38.54	16	33.65	15	38.64
11	38.52	17	38.85	22	33.83	22	38.66
19	38.40	24	39.00	29	34.00	29	38.68
26	38.20	Oct. 1	39.09	Jan. 5, 1973	34.39	Apr. 5	38.58
July 3	38.27	8	39.27	12	34.39	12	38.70
10	38.73	15	39.58	19	34.49	19	38.63
17	38.70	22	39.37	26	34.78	26	38.42
24	38.95	29	39.26	Feb. 1	34.39	May 2	38.15
Aug. 3	38.45	Nov. 5	38.64	9	35.13	10	37.40
7	39.17	12	38.23	16	35.46	17	37.86
14	39.15	19	38.20	23	35.62	24	37.73
21	39.30	26	37.74	Mar. 3	35.77	31	37.60
28	39.55	Dec. 3	37.19	9	36.03	June 7	37.50
Sept. 4	39.64	10	36.95	16	35.16	14	37.05
11	39.90	17	37.21	23	35.45	21	36.75
18	39.90	23	37.10	29	35.50	28	36.73
25	40.10	30	37.25	Apr. 6	32.28	July 5	36.90
Oct. 1	40.14	Jan. 7, 1972	37.30	12	32.38	12	37.48
3	40.20	14	37.76	20	32.40	19	37.65
16	40.10	21	37.77	27	32.68	26	37.70
23	40.20	28	37.96	May 4	32.60	Aug. 2	37.66
30	40.20	Feb. 4	38.30	11	32.97	9	37.88
Nov. 6	40.06	11	38.30	18	33.02	16	37.94
13	40.10	12	38.42	25	33.08	23	38.14
20	40.84	25	38.69	June 1	33.05	30	38.22
27	39.92	Mar. 3	38.80	8	33.05	Sept. 6	38.28
Dec. 4	39.25	10	39.00	15	33.29	13	38.40
11	40.06	17	39.27	22	33.31	20	38.56
18	40.12	24	39.12	29	33.64	27	38.62
26	40.15	31	37.95	July 6	33.31	Oct. 4	38.76
Jan. 3, 1971	40.28	Apr. 7	37.35	13	34.40	11	39.00
8	40.38	14	36.52	21	34.65	18	39.10
15	40.72	21	35.75	27	34.96	25	39.37
22	40.66	28	35.23	Aug. 4	35.05	31	39.59
29	40.64	May 5	34.80	11	35.09	Nov. 8	39.43
Feb. 5	40.90	12	34.68	18	35.38	15	39.20
12	41.10	19	34.90	25	35.33	22	39.18
19	41.10	26	35.23	31	35.65	29	39.56
Mar. 26	41.31	June 2	34.73	Sept. 8	35.65	Dec. 6	39.42
5	41.30	9	35.11	14	35.85	13	39.74
12	41.36	17	35.19	21	35.85	20	39.70
19	41.32	30	35.17	28	36.09	27	39.77
26	41.38						

Kandiyohi County

4507300935014601. Local number 119.35.14abtl. Burlington Northern, Inc. Willmar. Drilled un-used artesian well in sand and gravel of Pleistocene age, diam 12 in (5 cm), depth 320 ft (96 m), screened 295-320 ft (96-98 m). Lsd 1,140 ft (347 m) above msl. HF wood floor of instrument shelter, 1,001 ft (0.30 m) above lsd. Highest water level 12.73 ft (3.90 m) below lsd, May 11, 1969; lowest 25.22 ft (7.69 m) below lsd, July 12, 1974. Records available: 1968-74. Water levels affected by pumping.

Highest water level for the day, from recorder graph, 1963

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.31	15.80	15.21	16.60	16.76	18.47	17.47	18.23	14.22	13.03	16.55	15.66
10	16.40	15.84	15.81	16.77	16.60	18.09	19.27	20.60	18.39	17.68	16.27	15.72
15	16.17	15.96	15.43	17.10	16.29	18.03	18.56	20.27	19.31	17.57	16.30	15.48
20	14.14	15.92	15.78	16.60	16.53	18.58	21.02	20.64	19.02	17.06	15.71	15.69
25	15.80	15.53	15.44	16.72	16.50	17.28	20.71	20.59	18.57	17.23	15.83	17.45
30	15.31	15.81	16.10	16.61	16.64	17.15	19.46	19.51	18.17	16.76	15.42	17.12

450750095014801--Continued.

1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.74	14.25	13.62	13.63	13.13	15.44	15.50	17.33	19.35	17.10	16.04	16.35
10	15.65	14.31	13.57	13.40	12.87	15.73	15.34	17.00	18.81	17.08	16.15	16.70
15	14.61	14.02	13.61	13.50	12.92	14.37	14.37	19.26	17.84	16.37	16.00	17.80
20	14.50	13.77	13.49	13.49	13.14	16.04	16.03	19.43	18.04	16.65	16.47	17.07
25	14.40	14.62	13.47	13.45	13.14	15.14	16.71	19.92	17.12	16.30	16.29	17.25
Eom	14.23	14.00	13.54	13.22	15.47	15.97	17.09	19.87	17.05	15.76	16.42	17.11

1970

5	16.65	19.17	17.57	17.38	16.76	18.92	19.66	21.32	23.19	20.48	19.87	18.54
10	16.50	18.83	17.15	17.31	16.96	18.75	19.37	22.53	23.10	20.56	19.70	18.73
15	16.67	18.00	17.17	17.35	19.24	18.46	20.44	22.55	23.14	20.50	19.30	18.41
20	17.40	18.13	17.50	17.01	19.33	18.77	20.24	23.41	21.79	20.14	19.72	17.30
25	18.25	17.85	17.46	17.04	18.79	19.35	20.60	22.34	21.57	20.23	19.35	16.36
Eom	18.34	17.80	16.28	16.93	18.54	19.75	22.02	22.68	21.14	20.03	18.42	16.08

1971

5	16.00	16.48	17.88	17.87	17.57	18.33	19.10	20.25	20.71	19.61	16.30	17.56
10	15.69	16.61	18.33	19.07	18.04	17.93	19.83	21.20	20.68	19.08	18.50	17.47
15	16.38	16.41	17.47	18.16	18.32	17.75	19.22	22.88	20.42	21.18	18.18	17.23
20	16.31	16.77	17.33	18.08	18.84	18.83	19.14	22.43	20.11	20.50	18.45	.....
25	15.82	17.60	17.20	18.44	18.90	19.25	19.57	21.43	19.95	20.15	16.32	.....
Eom	16.11	17.12	17.55	18.11	18.81	19.67	19.50	20.89	19.85	19.80	17.40	.....

1972

5	.....	17.68	18.19	18.59	18.37	17.92	18.42	19.28	18.15	19.27	18.03	17.93
10	.....	16.36	18.18	18.16	18.17	15.61	19.45	19.30	18.95	19.22	18.65	17.29
15	.....	18.09	18.17	18.36	17.97	19.36	20.25	19.02	19.44	19.00	18.89	16.96
20	.....	17.74	16.55	18.70	18.13	18.57	15.78	19.58	19.38	19.17	18.30	16.54
25	.....	18.18	18.52	18.25	18.00	17.89	19.59	18.67	19.32	19.08	16.60	.....
Eom	17.33	17.86	18.49	18.35	17.99	18.19	19.06	19.16	19.18	17.70	16.58	.....

1973

5	16.23	16.48	16.55	18.58	20.38	20.92	21.29	21.99	22.10	.....	22.54	21.89
10	16.16	16.64	16.62	16.70	20.46	21.17	22.67	23.01	21.99	.....	22.47	21.84
15	16.27	16.66	16.62	18.71	22.03	21.57	.....	23.51	21.08	23.72	22.29	20.85
20	16.53	16.60	17.25	.....	21.38	21.06	.....	23.57	.....	21.93	22.17	20.70
25	16.44	16.45	18.02	18.25	21.14	20.86	.....	22.35	22.26	22.66	22.07	20.04
Eom	16.35	16.42	18.74	18.53	20.92	21.48	.....	22.38	22.61	22.44	21.40	19.96

1974

5	20.01	.....	19.70	19.90	19.32	19.17	21.42	22.31	22.07	22.36	22.27	21.30
10	19.93	.....	19.89	19.71	19.46	18.81	22.80	22.03	21.95	22.23	22.40	20.98
15	19.80	.....	19.69	19.61	19.30	19.14	24.03	22.62	22.12	22.10	22.65	20.62
20	19.98	.....	19.68	18.45	19.18	19.52	24.28	22.37	22.31	22.22	22.24	20.05
25	.....	.....	19.62	19.09	19.20	19.55	23.37	22.16	22.00	22.44	22.29	19.44
Eom	.....	.....	19.65	19.35	19.25	21.61	22.72	22.20	22.11	22.37	22.32	19.02

Lincoln County

44170509084501. Local number 110.44.33cd11. J.C. Geol. Survey. Drilled observation Artesian well in sandstone of Cretaceous age; diam 8 to 5 in (20 to 13 cm); depth 467 ft (295 m); 6-in (20-cm) casing 0-442 ft (0-137 m), 5-in (13-cm) casing 449-890 ft (137-271 m); screened 890-900 ft (271-274 m). Lad 1,738 ft (530 m) above ms1. MF top of recorder platform, 3.50 ft (1.07 m) above lsd. Highest water level 248.41 ft (75.72 m) below lsd, Apr. 20, 1970; lowest 250.57 ft (76.37 m) below lsd, Nov. 29, 30, 1974. Records available: 1969-74.

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	249.01
10	248.93
15	248.65
20	249.11
25	248.88
Eom	248.88

1970

5	249.01	.....	248.62	248.70	248.89	248.82	248.90	249.10	249.08	249.03	249.02	249.06
10	248.61	.....	248.92	248.80	248.63	248.62	248.94	249.07	249.20	248.96	248.97	249.12
15	248.71	.....	248.96	248.67	248.87	248.60	248.92	249.04	249.26	249.32	249.06	248.61
20	.....	.....	248.66	248.41	248.74	248.70	249.10	249.18	249.00	249.16	248.66	249.08
25	.....	.....	249.72	248.62	248.77	248.74	249.02	249.15	249.21	249.01	248.67	.....
Eom	.....	248.99	248.90	248.69	248.71	248.77	248.95	249.26	249.26	249.14	248.68	248.84

1971

5	249.07	248.81	248.83	249.31	248.55	249.11	248.98	249.32	249.16	249.36	249.11	249.17
10	248.95	248.61	248.91	249.00	249.11	248.98	249.05	249.15	249.32	249.32	249.36	248.97
15	249.17	248.82	248.71	248.87	249.08	249.08	249.02	249.37	249.34	249.40	249.33	248.96
20	248.61	248.92	248.86	248.96	249.09	249.01	249.06	249.25	249.39	249.56	249.05	249.36
25	248.79	248.68	249.05	249.03	248.99	249.06	249.04	249.34	249.37	249.20	249.18	249.17
Eom	248.98	248.91	248.70	249.05	249.08	248.98	249.12	249.28	249.22	249.14	249.24	249.12

441705096084501--Continued.

1972												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	249.14	249.24	249.28	.....	249.18	249.21	249.42	249.33	249.28	249.45	249.14	249.27
10	248.94	249.47	249.26	.....	249.34	249.27	249.26	249.29	249.38	249.32	249.26	249.41
15	249.50	249.10	249.11	.....	249.12	249.18	249.22	249.39	249.30	249.31	249.29	249.37
20	249.27	249.18	249.21	.....	249.26	249.16	249.26	249.34	249.30	249.32	249.40	249.13
25	249.43	249.21	249.30	249.36	249.16	249.22	249.30	249.33	249.35	249.17	249.07	249.22
Eom	249.16	249.04	249.22	249.15	249.15	249.21	249.26	249.31	249.26	249.39	249.17	248.89

1973												
5	249.33	249.16	249.10	249.07	249.08	249.19	249.32	.....	249.79	249.76	249.87	249.53
10	249.20	249.31	248.98	249.23	249.09	249.17	249.49	249.57	249.79	249.51	249.76	249.64
15	249.13	249.27	248.84	248.03	249.19	249.14	.....	249.62	249.85	249.70	249.58	249.65
20	249.15	249.22	249.23	248.90	249.16	249.24	.....	249.79	249.74	249.68	249.30	249.69
25	249.14	249.27	249.11	249.25	249.01	249.23	.....	249.65	249.59	249.50	249.46	249.39
Eom	249.03	249.11	249.08	249.08	249.18	249.34	.....	249.61	249.75	249.45	249.65	249.61

1974												
5	249.60	249.47	249.35	249.64	249.66	249.45	249.69	249.97	249.99	249.92	249.98	249.97
10	249.64	249.45	249.71	249.50	249.36	249.38	249.72	249.71	249.78	249.91	249.98	249.97
15	249.43	249.55	249.51	249.59	249.41	249.55	249.89	249.83	249.97	.....	249.99	249.87
20	249.43	249.36	249.59	249.38	249.48	249.47	249.85	249.73	250.05	.....	249.93	249.98
25	249.41	249.64	249.54	249.64	249.66	249.76	249.83	.....	249.88	250.13	250.06	250.04
Eom	249.40	249.42	249.37	249.69	249.42	249.63	249.95	249.87	250.14	249.87	250.21	250.09

Marshall County

482354096501001. Local number 157.48.27baa. U.S. Geol. Survey, North of Argyle. Bored observation artesian well in glacial Lake Agassiz beach deposits, diam 1 1/2 in (3.2 cm), depth 24 ft (7 m), well point 22-24 ft (6-7 m). Lad 844 ft (257 m) above msl. MF top of casing, 3.00 ft (0.91 m) above lad. Highest water level 2.30 ft (0.70 m) below lad, July 17, 1974; lowest 4.85 ft (1.48 m) below lad, Mar. 21, 1973. Records available: 1971-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 6, 1971	4.10	Aug. 22, 1972	3.85	June 1, 1973	4.81	Jan. 30, 1974	4.39
Nov. 23	3.28	Sept. 20	4.05	July 5	4.72	Mar. 14a	4.75
Feb. 2, 1972	3.75	Nov. 3	4.20	Aug. 9	4.78	June 4	3.37
Mar. 3	3.91	Dec. 7	4.32	Sept. 13	4.73	July 17	2.30
Apr. 4	4.49	Jan. 11, 1973	4.57	Oct. 19	4.02	Sept. 5	2.82
May 10	4.40	Feb. 15	4.63	Nov. 19	3.96	Oct. 8	2.86
June 16	4.60	Mar. 21	4.85	Dec. 19	4.08	Nov. 21	3.11
July 18	4.69						

Morrison County

460444094212501. Local number 130.29.8dec. U.S. Geol. Survey. Drilled observation water-table well in glacial gravel, diam 2 in (5.1 cm), depth 59 ft (18 m), well point 56-59 ft (17-18 m). Lad 1,149.02 ft (350.22 m) above msl. MF top of casing, 2.10 ft (0.64 m) above lad. Highest water level 7.35 ft (2.24 m) below lad, July 28, 1972; lowest 19.75 ft (6.02 m) below lad, Aug. 4, 1961. Records available: 1949-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1972	9.87	Sept. 1, 1972	8.04	Apr. 27, 1973	10.05	Dec. 14, 1973	10.53
14	9.67	8	8.13	May 4	10.13	21	10.61
21	10.05	15	8.19	11	10.28	28	10.66
28	10.37	22	8.20	18	10.01	Jan. 4, 1974	10.71
Feb. 4	10.24	29	8.36	25	9.87	11	10.78
11	10.68	Oct. 6	8.48	1	9.79	18	10.94
18	10.51	13	8.56	8	9.73	24	10.97
25	10.59	20	8.55	15	10.25	Feb. 1	11.00
Mar. 3	10.74	27	8.65	22	11.27	8	11.08
10	10.69	Nov. 3	8.43	29	11.26	15	10.83
17	10.87	10	8.66	July 6	10.65	22	10.97
24	10.53	17	8.79	13	11.15	Mar. 1	10.97
31	10.45	24	8.77	20	11.69	8	11.10
Apr. 7	10.45	Dec. 1	8.78	27	11.76	15	11.23
14	10.35	8	8.99	Aug. 3	12.01	22	11.20
21	10.20	15	9.12	10	11.17	29	11.34
28	10.13	22	9.06	17	10.71	Apr. 5	11.26
May 5	9.91	29	9.32	24	10.71	12	11.49
12	9.91	Jan. 5, 1973	9.27	31	10.67	19	11.27
19	10.05	12	9.38	Sept. 7	10.59	26	11.28
26	10.25	19	9.52	14	10.48	May 3	11.28
June 2	10.00	26	9.63	21	10.55	10	11.35
9	10.45	Feb. 9	9.82	28	10.55	17	11.35
16	10.28	16	9.94	Oct. 5	10.61	24	11.23
23	10.15	23	9.94	12	10.44	31	11.21
July 7	10.05	Mar. 2	10.02	19	10.22	June 7	11.43
14	10.31	9	10.02	26	10.29	14	11.95
21	10.99	16	9.81	Nov. 2	10.29	21	12.41
28	7.35	23	9.79	9	10.32	28	12.59
Aug. 4	7.82	30	9.79	16	10.35	July 5	12.57
11	7.61	Apr. 6	9.81	23	10.39	12	12.38
18	7.85	13	9.91	30	10.46	19	12.25
25	7.91	20	10.14	Dec. 7	10.49	26	12.23

460444094212501--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 2, 1974	11.69	Sept. 13, 1974	11.34	Oct. 25, 1974	11.87	Nov. 29, 1974	11.88
9	11.63	20	11.38	Nov. 1	11.86	Dec. 6	12.07
16	11.54	27	11.37	8	11.84	13	12.06
23	11.26	Oct. 4	11.21	15	11.81	20	12.34
30	11.25	11	11.57	22	11.87	27	12.36
Sept. 6	11.22	18	11.70				

Pope County

454230C95143001. Local number 126.36.20boc1. U.S. Geol. Survey. Bored observation water-table well in glacial outwash sand and gravel, diam 2 in (5.1 cm), depth 17 ft (5 m), screened 14-17 ft (4-5 m). Lsd 1,354 ft (413 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 3.84 ft (1.17 m) below lsd, July 27, 1972; lowest 8.79 ft (2.68 m) below lsd, Dec. 17, 1974. Records available: 1966-74. Measured by John Morris.

Nov. 10, 1966	6.90	July 23, 1968	7.80	Aug. 25, 1970	7.25	Feb. 9, 1973	6.00
Dec. 10	7.21	Aug. 20	8.04	Oct. 7	7.78	Mar. 20	5.23
Jan. 4, 1967	7.42	Sept. 17	8.29	Nov. 23	7.43	Apr. 25	5.42
Feb. 2	7.67	Oct. 17	8.43	Jan. 6, 1971	7.72	May 29	5.55
Mar. 1	7.85	Nov. 18	7.98	Feb. 22	8.11	June 25	5.82
27	7.78	Dec. 16	8.18	Apr. 8	7.00	July 23	6.23
Apr. 25	6.66	Jan. 16, 1969	8.39	May 25	7.15	Aug. 27	6.57
May 17	6.58	Feb. 11	8.55	July 8	6.78	Sept. 24	6.85
June 12	6.33	Mar. 11	8.72	Aug. 20	7.18	Nov. 7	7.06
July 5	5.70	Apr. 10	4.90	Oct. 7	7.63	Dec. 12	7.30
Aug. 2	6.06	May 12	4.75	Dec. 14	5.54	Jan. 4, 1974	7.54
21	6.35	June 12	5.06	Jan. 25, 1972	6.06	Feb. 8	7.79
Sept. 18	6.68	July 14	5.43	Mar. 15	6.35	Mar. 8	7.99
Oct. 15	7.02	Aug. 13	5.79	Apr. 12	5.26	Apr. 10	7.59
Nov. 16	7.34	Sept. 11	6.25	May 24	4.54	May 7	7.50
Dec. 18	7.66	Oct. 13	6.64	June 27	4.00	June 12	7.31
Jan. 15, 1968	7.94	Nov. 13	6.88	July 27	3.84	July 12	7.52
Feb. 14	8.20	Dec. 10	7.10	Aug. 29	4.12	Aug. 12	7.74
Mar. 14	8.35	Jan. 8, 1970	7.34	Oct. 6	4.73	Sept. 16	8.09
Apr. 9	8.23	Feb. 26	7.69	Nov. 9	4.77	Oct. 11	8.27
May 8	7.58	Apr. 13	7.20	Dec. 6	5.20	Nov. 8	8.47
June 4	7.51	May 28	6.41	Jan. 12, 1973	4.50	Dec. 17	8.79
July 2	7.66	July 14	6.71				

Ramsey County

445648093053402. Local number 28.22.6abd2. Northwestern National Bank. 55 East Fifth St., St. Paul. Drilled industrial artesian well in dolomite of Prairie du Chien Group of Early Ordovician age and Jordan Sandstone of Late Cambrian age, diam 16 in (41 cm), depth 355 ft (108 m), cased to 212 ft (65 m). Lsd 770 ft (235 m) above msl. MP edge of vent pipe, 7.50 ft (2.29 m) below lsd. Highest water level 63.24 ft (19.28 m) below lsd, Jan. 14, 1974; lowest 134.00 ft (40.84 m) below lsd, Aug. 16, 1972. Records available: 1971-74. Water levels affected primarily by pumping of nearby wells.

May 17, 1971	108.90	Mar. 22, 1972	65.46	May 25, 1973	92.80	May 9, 1974	66.62
June 14	123.05	Apr. 20	70.76	June 25	120.20	June 6	114.25
July 12	125.48	May 30	81.36	July 23	126.70	21	109.35
Aug. 9	129.90	June 27	124.65	Aug. 21	121.90	July 3	120.20
16	125.15	Aug. 16	134.00	Sept. 19	90.98	17	125.40
23	125.60	Sept. 21	88.80	Oct. 17	75.79	31	119.60
Sept. 13	122.20	Nov. 1	68.03	Nov. 19	66.22	Aug. 14	121.65
27	108.75	Dec. 13	66.80	Dec. 14	64.72	30	93.54
Oct. 15	79.35	Jan. 23, 1973	64.63	Jan. 14, 1974	63.24	Oct. 4	91.25
Dec. 9	66.45	Feb. 23	64.82	Feb. 12	64.16	Nov. 18	64.00
Jan. 17, 1972	65.52	Mar. 26	69.23	Mar. 13	63.30	Dec. 16	63.55
Feb. 23	65.86	Apr. 26	72.87	Apr. 10	67.62		

Rice County

441609093173201. Local number 109.21.1dec. Northern States Power Jet Plant, Faribault. Drilled domestic artesian well in Jordan Sandstone of Late Cambrian age, diam 6 in (15 cm), depth 483 ft (147 m), cased to 401 ft (122 m). Lsd 1,060 ft (323 m) above msl. MP top of 1-in (2.5-cm) breather pipe, 3.70 ft (1.13 m) above lsd. Highest water level 70.19 ft (21.39 m) below lsd, June 7, 1974; lowest 71.67 ft (21.85 m) below lsd, July 18, 1974. Records available: 1973-74.

Oct. 25, 1973	70.65	Jan. 3, 1974	70.79	Mar. 15, 1974	70.41	May 23, 1974	70.14
Nov. 1	70.61	10	70.92	21	70.30	30	70.31
6	70.73	18	70.72	27	70.44	June 7	70.19
14	70.53	24	70.78	Apr. 4	70.51	13	70.22
21	70.24	31	70.90	11	70.24	21	70.45
30	70.90	Feb. 7	70.56	19	70.36	27	70.67
Dec. 7	70.91	15	70.49	25	70.45	July 3	71.46
13	70.69	21	70.48	May 3	70.48	11	71.31
20	70.83	28	70.43	9	70.50	18	71.67
28	70.32	Mar. 7	70.42	16	70.89	25	71.00

441604093173201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 1, 1974	70.84	Sept. 12, 1974	70.86	Oct. 24, 1974	71.00	Nov. 27, 1974	70.85
8	70.60	19	71.01	30	70.93	Dec. 5	71.03
16	70.71	26	70.80	Nov. 8	71.09	13	71.11
22	70.95	Oct. 5	70.76	14	70.86	19	70.92
29	70.30	10	70.77	22	70.75	26	70.73
Sept. 5	70.81	17	70.93				

St. Louis County

472638092533601. Local number 57.20.53ad1. Burlington Northern, Inc. Drilled unused artesian well in Biwabik Iron-formation of middle Precambrian age, diam 12 to 6 in (30 to 15 cm), depth 450 ft (131 m), cased to 215 ft (96 m). Lod 1,470 ft (446 m) above msl. MP top of wood platform, 1.20 ft (0.37 m) above lsd. Highest water level 55.29 ft (16.85 m) below lsd, Sept. 22, 1972; lowest 69.07 ft (21.05 m) below lsd, Jan. 16, 1965. Records available: 1955-74.

Feb. 25, 1972	55.47	Dec. 1, 1972	55.69	Aug. 2, 1973	57.61	Apr. 30, 1974	57.75
Apr. 3	55.51	Jan. 5, 1973	55.57	Sept. 7	57.74	June 12	57.33
June 9	56.15	Feb. 8	55.82	Oct. 15	57.61	July 26	57.16
July 12	56.14	Mar. 16	56.25	Nov. 16	57.46	Sept. 30	57.38
Aug. 25	56.33	Apr. 20	56.77	Dec. 17	57.36	Nov. 1	57.32
Sept. 22	55.29	May 29	57.20	Feb. 4, 1974	57.25	Dec. 6	57.19
Oct. 24	55.55	June 27	57.36	Mar. 21	57.40		

473011092524301. Local number 56.20.16dbel. City of Chisholm. Drilled unused artesian well in glacial outwash sand and gravel, diam 12 in (30 cm), depth 40 ft (12 m), screened 30-40 ft (9-12 m). Lsd 1,500 ft (457 m) above msl. MP top of wood platform, 1.70 ft (0.52 m) above lsd. Highest water level 0.23 ft (0.07 m) below lsd, May 10, 1954; lowest 15.60 ft (4.75 m) below lsd, Mar. 25, 24, 1957. Records available: 1953-74. Water levels affected by pumping.

Feb. 25, 1972	11.6.	Dec. 1, 1972	9.46	Aug. 2, 1973	9.08	Apr. 30, 1974	7.79
Apr. 3	11.42	Jan. 5, 1973	10.96	Sept. 7	10.10	June 12	3.16
June 9	10.10	Feb. 8	10.27	Oct. 15	5.52	July 26	8.34
July 13	10.75	Mar. 16	12.32	Nov. 16	8.70	Sept. 30	9.94
Aug. 25	9.91	Apr. 20	8.60	Dec. 17	9.13	Nov. 1	10.02
Sept. 22	3.33	May 29	5.42	Feb. 4, 1974	11.79	Dec. 6	8.98
Oct. 24	8.49	June 27	6.70	Mar. 22	10.41		

Watahka County

442702092155401. Local number 111.12.4bde. City of Lake City. Drilled unused artesian well in Mount Simon Sandstone of Late Cambrian age, diam 16 in (41 cm), depth 430 ft (131 m), cased to 258 ft (79 m). Lsd 625 ft (209 m) above msl. MP top of casing, 1.00 ft (0.31 m) above lsd. Highest water level 0.75 ft (2.97 m) below lsd, Aug. 17, 1974; lowest 11.32 ft (3.45 m) below lsd, Sept. 30, 1974. Records available: 1974. Water levels affected by pumping.

Aug. 5, 1974	10.78	Sept. 16, 1974	11.10	Oct. 28, 1974	11.00	Dec. 2, 1974	11.10
12	9.75	23	11.13	Nov. 4	10.88	9	10.99
19	10.80	30	11.23	12	10.74	16	10.65
26	11.00	Oct. 7	11.25	16	10.93	22	11.09
Sept. 4	11.17	14	11.05	25	11.08	30	11.20
9	11.07	21	11.24				

Washington County

450328021482901. Local number 30.20.28acd1. City of Stillwater, well 3. Mulberry and Second St. Drilled unused artesian well in Ironton, Galesville, and Bad Claire Sandstones of Late Cambrian age, diam 24 in (61 cm), depth 440 ft (134 m), cased to 257 ft (77 m). Lsd 718.32 ft (218.94 m) above msl. MP top of wood platform, 1.30 ft (0.40 m) above lsd. Highest water level 6.5 ft (2.1 m) below lsd, Apr. 21, 1974; lowest 26.8 ft (8.2 m) below lsd, July 29, 1967. Records available: 1967-74. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	12.7	....	10.8	10.4	12.1	12.8	11.5	11.2	11.3	10.4	10.3
10	11.5	13.0	....	10.9	10.4	11.5	11.4	11.7	11.3	11.4	10.3	10.1
15	12.2	12.4	12.3	10.9	10.4	12.4	12.4	11.8	11.7	....	10.0	10.5
20	12.9	....	11.7	10.4	11.2	12.0	12.5	11.8	11.9	11.1	10.3	10.3
25	13.0	....	11.1	10.4	11.4	12.5	12.1	11.9	11.2	11.0	9.7	9.6
End	12.6	....	10.6	10.0	12.6	12.7	11.0	12.0	11.4	11.0	10.1	9.5

450326092482901--Continued.

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.5	11.2	11.0	9.1	9.8	9.6	10.0	10.9	10.6	11.5	9.4	9.1
10	...	10.2	10.8	10.4	9.7	9.8	10.3	11.0	11.1	10.2	9.7	9.2
15	...	10.7	12.0	9.0	9.8	10.4	10.1	10.8	10.5	9.2	9.1	9.4
20	9.9	10.5	9.1	9.1	9.8	10.4	10.7	11.4	10.6	9.4	9.2	9.8
25	11.6	10.1	9.6	9.2	9.8	9.9	11.2	10.2	10.5	9.2	9.6	9.0
End	11.8	11.1	9.2	9.2	9.6	10.3	11.0	10.9	10.5	9.0	9.1	11.0

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.2	9.0	8.9	8.6	7.8	9.0	9.1	11.5	12.2	11.2	10.4	10.1
10	9.4	8.9	9.0	7.9	7.9	8.5	11.0	10.3	11.8	11.7	9.2	9.0
15	...	9.1	8.6	7.9	7.8	7.8	11.0	11.4	10.6	10.2	10.4	9.7
20	9.6	9.3	8.9	7.5	7.4	9.3	11.0	11.4	11.9	9.9	10.5	10.3
25	9.2	9.3	8.8	7.6	7.7	10.2	12.3	10.1	11.7	11.0	10.6	8.6
End	4.4	9.5	8.4	7.8	9.1	8.5	11.3	10.8	12.0	10.6	9.0	9.3

Winona County

435756092014201. Local number 106.10.13ada. City of St. Charles, well 1. Drilled uncased water-table well in dolomite of Prairie du Chien Group of Early Proterozoic age, diam 10 in. (25 cm), depth 175 ft (53 m), cased to 30 ft (9 m). Last net available. No hole in pumpbase, 1.25 ft (0.69 m) above lsd. Highest water level, 32.72 ft (9.97 m) below lsd, July 19, 1974; lowest 44.45 ft (13.55 m) below lsd, Mar. 1, 1974. Records available: 1973-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 26, 1973	40.29	Feb. 15, 1974	43.80	May 31, 1974	37.55	Sept. 20, 1974	36.40
Nov. 2	39.95	25	44.30	June 7	37.55	27	36.55
9	40.86	Mar. 1	44.45	14	38.10	Oct. 4	37.15
16	40.55	8	43.00	28	33.91	11	37.65
23	40.92	15	42.45	July 5	34.41	18	38.23
30	41.12	22	42.13	12	33.70	25	37.45
Dec. 7	41.52	29	41.96	19	32.72	Nov. 1	37.50
14	41.46	Apr. 4	40.44	26	32.65	8	39.51
21	41.50	12	39.19	Aug. 2	33.03	15	40.00
28	41.75	19	38.30	9	33.42	22	40.45
Jan. 5, 1974	41.97	26	38.27	17	33.27	29	40.95
12	42.48	May 2	37.40	23	32.45	Dec. 1	41.05
18	42.53	10	37.21	30	34.75	8	41.55
25	42.71	17	41.71	Sept. 6	36.03	26	42.05
Feb. 1	43.12	24	40.62	13	35.86	27	42.52
8	43.37						

References

- Anderson, Henry, Jr., Farrell, D. P., and Broussard, W. L., 1974, Water resources of the Blue Earth watershed, south-central Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-435.
- 1974, Water resources of the Lower Minnesota River watershed, south-central Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-526.
- Anderson, Henry, Jr., Farrell, D. P., Broussard, W. L., and Pelsheim, I. E., 1974, Water resources of the Cannon River watershed, southeastern Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-522.
- Broussard, W. L., Anderson, Henry, Jr., and Farrell, D. P., 1975, Water resources of the Cottonwood River watershed, southwestern Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-466.
- Ericson, D. W., Lindholm, G. F., and Helgesen, J. O., 1974, Water Resources of the Rum River watershed, east-central Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-503.
- Helgesen, J. O., 1972, Appraisal of ground water for irrigation in the Little Falls area, Morrison County, Minnesota: U.S. Geol. Survey Water-Supply Paper 2009-D.
- Helgesen, J. O., and Lindholm, G. F., 1973, Geology and water-supply potential of the Anoka sandplain aquifer, Minnesota: U.S. Geol. Survey open-file rept.
- Helgesen, J. O., Lindholm, G. F., Broussard, W. L., and Ericson, D. W., 1975, Water Resources of the Kettle River watershed, east-central Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-437.
- Lindholm, G. F., Farrell, D. P., and Helgesen, J. O., 1974, Water Resources of the Crow Wing watershed, south-central Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-500.
- Lindholm, G. F., Helgesen, J. O., Broussard, W. L., and Ericson, D. W., 1974, Water Resources of the Snake River watershed, east-central Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-488.
- Lindholm, G. F., Helgesen, J. O., Broussard, W. L., and Farrell, D. P., 1974, Water Resources of the Lower St. Croix River watershed, east-central Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-490.
- Van Vleet, W. A., Broussard, W. L., and Wheat, D. E., 1972, Water resources of the Minnesota River-Hawk Creek watershed, southwestern Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-331.

NEBRASKA

The observation-well program in Nebraska was continued in 1972 through 1974 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 counter-clockwise direction, beginning in the northeast corner of each tract. Thus, a well in Adams County in the NW¼NE¼ sec. 23, T.7 N., R.10 W. 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.7 N., R.10 W. 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

403403098244001. Local number 7N-10W-23AB. Henry Fricke. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 155 ft (47 m), casing perforated below water table. Lsd 1,927 ft (587 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 99.95 ft (30.45 m) below lsd, Jan. 22, Mar. 14, 1935; lowest 122.35 ft (37.29 m) below lsd, Aug. 15, 1974. Records available: 1934-38, 1948-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	113.65	113.46	.....	113.17	113.19	113.31	119.53	115.47	116.12	115.44	114.78	114.52
10	113.74	113.46	.....	113.22	113.09	113.25	120.58	115.34	115.94	115.30	114.75	114.42
15	113.68	113.48	113.29	113.17	113.10	113.29	121.10	117.88	115.83	115.22	114.64	114.40
20	113.72	.....	113.32	113.22	113.16	113.25	121.59	121.02	115.68	115.08	114.69	114.36
25	113.72	.....	113.19	113.18	113.17	113.19	121.73	118.22	115.53	115.03	114.53	114.30
Eom	113.54	.....	113.27	113.13	113.28	119.22	115.92	116.45	115.45	114.91	114.48	114.34

1973

5	114.21	113.98	113.61	113.49	113.46	113.61	118.14	119.55	115.97	116.00	115.56	115.15
10	114.06	113.83	113.65	113.61	113.58	113.80	119.98	118.47	115.64	115.15	115.44	115.04
15	114.12	113.87	113.84	113.47	113.47	113.80	117.53	118.06	116.37	115.92	115.33	115.05
20	114.02	113.87	113.65	113.55	113.66	113.93	118.00	119.15	115.20	115.79	115.16	114.93
25	114.01	113.76	113.60	113.56	113.54	114.15	117.05	118.63	116.05	115.78	115.17	114.85
Eom	113.96	113.65	113.56	113.51	113.57	116.28	117.92	119.51	116.01	115.59	115.21	114.87

1974

5	114.77	114.55	114.20	114.00	113.68	113.53	119.31	121.47	117.80	116.95	116.20	115.74
10	114.73	114.44	114.21	113.81	113.66	113.57	120.31	119.51	117.63	116.68	116.08	115.70
15	114.65	114.35	114.13	113.86	113.67	113.40	121.40	122.35	117.24	116.50	116.03	115.65
20	114.61	114.36	114.10	113.75	113.43	113.54	121.20	122.30	117.24	116.45	116.00	115.58
25	114.49	114.25	113.96	113.80	113.45	114.41	119.32	119.37	117.07	116.41	115.92	115.52
Eom	114.65	114.31	114.01	113.74	113.51	115.32	122.23	118.30	117.02	116.24	115.82	115.49

h Tape measurement.

Blaine County

414958100061501. Local number 22N-24W-33CA. U.S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diam 1 in (2.5 cm), depth 13 ft (4 m), screened 11-13 ft (3-4 m). Lsd 2,618 ft (798 m) above msl. MP top of casing, 1.40 ft (0.43 m) above lsd. Highest water level 1.04 ft (0.32 m) below lsd, Mar. 8, 1950; lowest 6.97 ft (2.12 m) below lsd, Aug. 8, 1951. Records available: 1934-74.

414958100061501--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1972	3.86	Oct. 24, 1972	4.84	July 2, 1973	4.07	Apr. 1, 1974	3.13
Feb. 14	3.45	Nov. 15	4.32	Aug. 13	4.27	May 13	3.64
Mar. 6	3.43	Dec. 6	4.13	Sept. 4	4.79	June 4	3.94
Apr. 18	3.75	Jan. 17, 1973	3.67	Oct. 9	3.24	July 15	4.80
May 9	3.21	Feb. 5	3.78	Nov. 6	3.46	Aug. 7	5.08
June 21	3.73	Mar. 19	3.04	Dec. 17	4.01	Sept. 18	4.86
July 11	4.44	Apr. 10	2.98	Jan. 10, 1974	3.46	Oct. 9	4.93
Aug. 1	4.29	May 2	2.90	Feb. 19	2.77	Nov. 18	4.29
Sept. 11	5.07	June 11	3.45	Mar. 12	2.72	Dec. 9	4.25

Boone County

413323098074501. Local number 184-7W-40A. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 1 in (2.5 cm), depth 22 ft (7 m), screened 20-22 ft (6-7 m). Lsd 1,762 ft (537 m) above msl. MP top of casing, 2.90 ft (0.88 m) above lsd. Highest water level 8.57 ft (2.61 m) below lsd, May 4, 1973; lowest 15.17 ft (4.62 m) below lsd, Oct. 26, 1940. Records available: 1936-42, 1946-74. May 15, 1972, 11.12; Oct. 17, 10.82; May 4, 1973, 8.57; Oct. 25, 11.06; May 23, 1974, 11.00; Nov. 7, 11.99.

Box Butte County

420945102551501. Local number 15N-48W-4DDD. U.S. Geol. Survey. Drilled observation water-table well in sand of Marsland Formation of Tertiary age, diam 1 1/2 in (3.8 cm), depth 304 ft (62 m), screened 92-98 ft (28-30 m). Lsd 4,032.95 ft (1,229.24 m) above msl. MP top of 1 1/2-in (3.8-cm) pipe, 2.00 ft (0.61 m) above lsd. Highest water level 63.14 ft (19.25 m) below lsd, Jan. 25, 1950; lowest 91.58 ft (28.22 m) below lsd, Oct. 21, 1974. Records available: 1946-74. Nov. 6, 1972, 89.29; Oct. 29, 1973, 91.46; Apr. 9, 1974, 88.54; Oct. 21, 92.58.

Brown County

421307099444501. Local number 30W-21W-19CC. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 52 ft (16 m), casing perforated below water table. Lsd 2,511.44 ft (765.49 m) above msl. MP top of casing, 0.20 ft (0.06 m) above lsd. Highest water level 34.25 ft (10.47 m) below lsd, Jan. 25, 1974; lowest 40.96 ft (12.48 m) below lsd, Sept. 7, 1965. Records available: 1947-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	37.52	37.53	37.51	37.43	37.47	37.43	37.47	37.39	37.11	36.66	36.27	36.12
10	37.57	37.55	37.47	37.46	36.46	37.40	37.58	37.36	37.07	36.59	36.24	36.09
15	37.58	37.50	37.49	.....	37.47	37.42	37.67	37.23	37.00	36.52	36.20	36.03
20	37.57	37.48	37.45	.....	37.43	37.43	37.78	37.21	36.93	36.42	36.19	36.06
25	37.56	37.50	37.45	.....	37.42	37.40	37.74	37.18	36.82	36.39	36.15	36.03
End	37.51	37.49	37.45	.....	37.40	37.40	37.52	37.21	36.72	36.34	36.12	36.03

1973

5	36.00	35.98	35.89	35.86	35.91	35.88	35.75	36.05	35.84	35.18	34.73	34.53
10	35.28	35.24	35.90	35.89	35.69	35.77	35.88	36.01	35.74	35.09	34.71	34.47
15	35.27	35.99	35.35	35.88	35.90	35.79	35.96	35.28	35.66	35.04	34.65	34.49
20	35.26	36.02	35.93	35.89	35.86	35.77	36.07	35.93	35.43	34.94	.....	34.45
25	35.45	35.39	35.90	35.92	35.84	35.71	36.10	35.90	35.33	34.87	.....	34.41
End	35.26	35.95	35.84	35.89	35.88	35.74	36.05	35.89	35.26	34.76	34.59	34.46

1974

5	34.42	34.40	34.36	34.47	34.54	34.64	34.92	35.43	35.51	35.19	34.96	34.89
10	.....	34.37	34.47	34.41	34.54	34.72	35.07	35.50	35.45	35.11	34.94	34.89
15	.....	34.36	34.46	34.49	34.54	34.72	35.13	35.59	35.38	35.10	34.94	34.92
20	34.37	34.36	34.46	34.40	34.65	34.73	35.21	35.60	35.39	35.06	34.95	34.93
25	34.35	34.41	34.44	34.49	34.64	34.72	35.26	35.55	35.28	35.05	34.96	35.00
End	34.40	34.41	34.38	34.53	34.69	34.81	35.42	35.52	35.25	34.97	34.94	35.04

h Tape measurement.

Buffalo County

404613002504401. Local number 9W-14W-1DC. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 8 in (20 cm), depth 38 ft (12 m), casing perforated below water table. Lsd 2,060.43 ft (628.02 m) above msl. MP top of casing, 0.80 ft (0.24 m) above lsd. Highest water level 15.26 ft (4.68 m) below lsd, June 11, 1950; lowest 27.23 ft (8.30 m) below lsd, Aug. 25, 1957. Records available: 1947-74.

404618098504401--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	23.93	23.78	23.73	23.63	23.52	23.38	23.55	24.74	25.28	24.20	23.77	23.55
10	23.90	23.78	23.70	23.62	23.51	23.36	24.32	24.43	24.95	24.12	23.72	23.51
15	23.95	23.77	23.65	23.60	23.49	23.33	24.88	24.52	24.74	24.04	23.63	23.48
20	23.87	23.75	23.64	23.56	24.46	23.30	25.29	15.07	24.57	23.97	23.66	23.42
25	23.89	23.74	23.63	23.58	23.44	23.25	25.36	25.36	24.42	23.91	23.60	23.41
Eom	23.82	23.70	23.63	23.53	23.42	23.28	25.03	25.45	24.31	23.84	23.58	23.39

1973

5	23.36	23.06	22.83	22.59	22.19	21.79	21.93	23.66	24.19	22.78	21.75	21.34
10	23.30	23.01	22.79	22.53	22.13	21.70	22.75	23.87	23.88	22.53	21.65	21.29
15	23.27	22.98	22.84	22.45	22.09	21.62	23.34	23.63	23.63	22.34	21.56	21.26
20	23.21	22.94	22.73	22.40	22.00	21.57	23.65	23.45	23.41	22.16	21.44	21.24
25	h23.18	22.90	22.65	22.33	21.92	21.46	23.44	24.07	23.18	22.00	21.39	21.12
Eom	23.09	22.87	22.61	22.25	21.86	21.48	21.22	24.49	22.99	21.63	21.38	21.14

1974

5	21.07	20.88	20.57	20.35	19.99	19.71	21.25	23.77	24.70	23.80	23.38	23.22
10	21.03	20.82	20.58	20.15	19.93	19.79	21.98	24.07	24.47	23.70	23.34	23.13
15	20.99	20.76	20.48	20.18	19.93	19.67	22.57	24.33	24.31	23.62	23.34	23.17
20	20.96	20.70	h20.40	20.03	19.85	19.59	23.15	24.30	24.17	23.56	23.30	23.15
25	20.93	20.71	20.33	20.08	19.83	19.61	23.26	24.45	h24.02	h23.52	23.31	23.18
Eom	20.95	20.64	20.27	20.07	19.85	20.33	23.57	24.85	23.95	23.41	23.26	23.14

h Tape measurement.

404345098560001. Local number 9N-14W-19DD. Robert D. Lewis. Irrigated irrigation water-table well in sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 54 ft (16 m), casing perforated below water table. Lsd 2,102.15 ft (640.74 m) above msl. MP hole in pumpbase, 0.70 ft (0.21 m) above lsd. Highest water level 22.55 ft (6.87 m) below lsd, June 9, 1951; lowest 35.20 ft (10.73 m) below lsd, Aug. 30, 1974. Records available: 1930-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1972	31.35	Oct. 17, 1973	31.85	July 24, 1972	32.19	Mar. 20, 1974	28.29
Feb. 15	31.13	Nov. 21	31.33	Aug. 16	32.44	Apr. 25	27.85
Mar. 29	30.81	Dec. 18	31.01	Sept. 19	32.45	May 23	27.60
Apr. 26	30.63	Jan. 25, 1973	30.73	Nov. 9	30.45	Aug. 30	25.20
May 17	30.49	Feb. 22	30.46	Dec. 28	29.86	Sept. 25	33.53
June 14	31.44	Mar. 13	30.33	Dec. 17	29.31	Oct. 24	32.94
July 26	33.79	Apr. 26	29.76	Jan. 17, 1974	29.09	Nov. 27	32.43
Aug. 24	33.17	May 15	29.39	Feb. 12	28.73	Dec. 18	33.00
Sept. 20	32.40	June 27	28.63				

Butler County

411420097173001. Local number 15N-1E-27DD. U.S. Geol. Survey. Irrigated observation water-table well in sand and gravel of Pleistocene age, diam 5 in (13 cm), depth 210 ft (64 m), perforated 199-210 ft (61-64 m). Lsd 1,618 ft (493 m) above msl. MP top of platform, at lsd. Highest water level 89.20 ft (27.19 m) below lsd, Dec. 31, 1974; lowest 102.63 ft (33.11 m) below lsd, July 23, 1961. Records available: 1958-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	91.50	91.19	.....	91.14	91.12	91.10	91.29	92.15	91.65	91.09	91.64	91.44
10	91.17	91.17	.....	91.16	91.12	91.11	91.49	92.40	92.57	92.00	91.57	91.45
15	91.35	.....	91.11	91.12	91.06	91.13	91.86	92.52	92.44	91.94	91.53	91.41
20	91.22	.....	91.08	91.15	91.12	91.13	h92.10	92.63	92.32	91.96	91.51	91.30
25	.....	.....	91.14	91.12	91.09	91.15	92.21	92.67	92.20	91.81	91.41	91.34
Eom	.....	.....	91.12	91.11	91.10	91.17	92.28	92.71	92.16	91.69	91.46	91.26

1973

5	91.35	91.19	91.08	91.03	90.97	90.93	90.66	91.12	91.56	91.64	90.74	90.35
10	91.37	91.23	91.07	91.09	90.89	90.53	90.67	91.24	91.46	90.84	90.66	90.40
15	91.25	91.18	90.98	90.99	90.97	90.50	90.90	91.45	91.37	90.89	90.49	90.37
20	91.19	91.12	91.07	90.88	90.83	90.50	91.12	91.54	91.21	90.77	90.48	90.35
25	91.24	91.09	91.03	90.97	90.83	90.77	91.17	91.53	91.09	90.68	90.45	90.17
Eom	91.15	91.12	91.05	90.90	90.87	.....	91.14	91.58	91.04	90.65	90.50	90.30

1974

5	90.24	90.05	89.80	89.80	89.54	89.53	90.12	91.16	91.01	90.03	89.63	89.35
10	90.17	89.98	89.92	89.68	89.45	89.24	90.23	91.73	90.78	90.01	89.57	89.32
15	90.10	89.92	89.80	89.67	89.42	89.32	91.65	91.97	90.70	89.94	89.53	89.24
20	90.11	89.82	89.74	89.63	89.43	89.25	91.45	91.55	90.47	89.86	89.47	89.22
25	90.13	90.04	89.79	89.64	89.43	89.35	91.56	91.39	90.30	89.77	89.54	89.30
Eom	90.05	89.81	89.61	89.58	89.37	89.52	91.01	91.15	90.29	89.62	89.45	89.20

h Tape measurement.

Chase County

403220101384001. Local number 7N-35W-26CC. Roy Must. Drilled unused water-table well in sand of Pleistocene age, diam 18 in (46 cm), depth 143 ft (44 m), casing perforated below water table. Lsd 3,284.6 ft (1,001.2 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 72.52 ft (22.20 m) below lsd, June 29, 1964; lowest 88.40 ft (26.94 m) below lsd, Oct. 10, 1974. Records available: 1944, 1948-74. Oct. 20, 1972, 83.82; Oct. 22, 1973, 85.65; Oct. 10, 1974, 88.40.

403235101395501. Local number 7N-38W-29CBE. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 5½ in (14 cm), depth 230 ft (70 m), casing perforated below water table. Lsd 3,290.30 ft (1,002.88 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 55.87 ft (17.03 m) below lsd, July 4, 1964; lowest 75.39 ft (22.98 m) below lsd, Aug. 25, 1974. Records available: 1964-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	65.15	.....	.....	64.36	64.93	68.32	68.30	68.34	67.37	66.97
10	64.97	.....	64.55	64.47	65.63	69.35	68.13	.....	67.32	66.88
15	65.30	64.95	.....	64.45	64.48	67.26	69.76	67.98	.....	67.19	66.85
20	65.68	65.20	64.92	.....	64.45	64.32	68.10	69.74	67.82	h67.55	67.15	66.75
25	65.24	64.84	.....	64.49	64.25	67.95	68.65	68.69	67.56	67.09	66.70
Rom	65.12	.....	.....	64.35	64.30	67.79	70.26	68.03	67.50	66.98	66.65

1973

5	66.52	66.13	65.80	65.45	65.22	65.16	67.87	71.17	72.77	69.71	68.90	68.31
10	66.43	65.98	65.68	65.44	65.25	65.14	69.13	70.98	71.92	69.62	68.76	68.16
15	66.35	66.03	65.84	65.44	65.25	65.48	69.32	.....	70.61	69.48	68.73	68.14
20	66.29	66.02	65.66	65.42	65.17	65.31	68.50	.....	70.31	69.29	68.56	67.98
25	66.21	65.89	65.58	65.32	65.39	65.43	68.58	.....	70.12	69.23	68.43	.....
Rom	66.16	65.80	65.53	65.27	65.15	66.72	70.49	.....	69.89	68.96	68.40	.....

1974

5	.....	67.33	66.83	66.51	66.18	66.10	70.66	74.40	.....	72.05	70.81	70.00
10	.....	67.14	66.83	66.31	66.22	66.12	71.19	72.53	74.10	h71.75	70.68	69.86
15	67.55	67.05	66.73	66.32	66.36	66.07	71.99	74.75	73.22	71.60	70.50	69.77
20	67.45	67.12	66.63	66.29	66.31	67.04	72.27	75.15	72.74	71.34	70.50	69.68
25	67.35	66.94	66.54	66.17	66.31	67.39	72.80	75.39	72.48	71.23	70.27	69.56
Rom	67.37	66.92	66.49	66.22	66.37	69.35	74.26	.....	72.30	70.97	70.18	69.52

h Tape measurement.

Cherry County

423205100321501. Local number 30N-28W-36AAA. U.S. Geol. Survey. Bored observation water-table well in sand and peat, diam 1¼ in (3.2 cm), depth 12 ft (4 m), cased with galvanized iron. Lsd 2,897.26 ft (883.08 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 0.08 ft (0.02 m) above lsd, Oct. 31, 1963; lowest 1.80 ft (0.55 m) below lsd, Sept. 22, 1970. Records available: 1961-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1972	g0.20	Oct. 16, 1972	0.87	Aug. 24, 1973	g1.50	Jan. 11, 1974	g0.20
Aug. 31	g.40	Jan. 31, 1973	g.00	Oct. 9	.13	Nov. 11	.64

g Measurement made by Valentine National Wildlife Refuge.

Cheyenne County

410917102410001. Local number 14N-47W-26CB. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1 in (2.5 cm), depth 29 ft (9 m), screened 27-29 ft (8-9 m). Lsd 3,872.8 ft (1,180.4 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 18.32 ft (5.58 m) below lsd, Mar. 28, 1951; lowest 22.28 ft (6.79 m) below lsd, Oct. 29, 1974. Records available: 1940-42, 1944, 1947, 1950-52, 1954-74. Oct. 18, 1972, 22.10; Oct. 26, 1973, 21.60; Oct. 29, 1974, 22.28.

Clay County

402940098154001. Local number 6N-8W-17BB. Willard W. Kissinger. Drilled irrigation water-table well in sand of Pleistocene age, diam 18 in (46 cm), depth 151 ft (46 m), casing perforated below water table. Lsd 1,846 ft (563 m) above msl. MP hole in turbine base, at lsd. Highest water level 95.53 ft (29.12 m) below lsd, June 24, 1954; lowest 105.75 ft (32.23 m) below lsd, Oct. 15, 1974. Records available: 1952, 1954-74. Oct. 16, 1972, 103.70; Oct. 15, 1973, 104.60; Oct. 15, 1974, 105.75.

Colfax County

412810097054501. Local number 17N-3E-4CC. U.S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 1 1/2 in (3.2 cm), depth 16 ft (5 m), screened 14-16 ft (4-5 m). Lsd 1,370.58 ft (417.75 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 4.15 ft (1.26 m) below lsd, Apr. 1, 1952; lowest 8.05 ft (2.45 m) below lsd, Sept. 4, 1971. Records available: 1946-74. Jan. 10, 1972, 7.18; Feb. 12, 7.11; Mar. 10, 7.03; Apr. 7, 6.92; Oct. 30, 6.11; Oct. 23, 1973, 5.38; Oct. 28, 1974, 7.62.

Custer County

413910099285001. Local number 19N-19W-2BB. Ralph Slagel. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diam 18 in (46 cm), depth 69 ft (21 m), casing perforated below water table. Lsd 2,561.95 ft (779.92 m) above msl. MP hole in turbine base, at lsd. Highest water level 8.80 ft (2.68 m) below lsd, Aug. 8, 1974; lowest 19.41 ft (5.92 m) below lsd, Sept. 1, 1954. Records available: 1949-55, 1957-71, 1973-74. No measurement made in 1972. Measurements made by U.S. Bureau of Reclamation.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1973	12.00	Aug. 1, 1973	10.30	Mar. 1, 1974	10.00	Aug. 8, 1974	5.60
June 11	11.10	Oct. 15	9.20	June 10	10.60	Oct. 25	10.70

Dawes County

424100103243501. Local number 31N-52W-3DC. T. F. Moody. Drilled observation water-table well in sand and alluvium, diam 8 in (20 cm), depth 59 ft (18 m), casing perforated below water table. Lsd 3,665 ft (1,123 m) above msl. MP edge of iron plate, 1.07 ft (0.33 m) above lsd. Highest water level 15.87 ft (4.84 m) below lsd, May 30, 1948; lowest 21.28 ft (6.79 m) below lsd, Oct. 31, 1956. Records available: 1934-74.

Jan. 20, 1972	18.37	Nov. 20, 1972	18.91	July 20, 1973	17.17	Apr. 22, 1974	17.75
Feb. 21	18.39	Dec. 20	18.80	Aug. 20	17.60	May 20	16.70
Mar. 20	18.14	Jan. 22, 1973	18.67	Sept. 20	17.95	June 20	17.01
Apr. 24	18.33	Feb. 5	18.56	Oct. 23	18.06	July 22	17.78
May 23	17.81	20	18.44	Nov. 20	17.93	Aug. 20	18.33
June 20	17.72	Mar. 20	18.08	Dec. 20	16.83	Sept. 20	18.63
July 20	17.79	Apr. 20	18.49	Jan. 20, 1974	17.90	Oct. 21	18.66
Aug. 21	18.37	May 21	16.86	Feb. 20	17.68	Nov. 20	18.66
Sept. 20	18.82	June 20	16.78	Mar. 20	17.55	Dec. 20	18.98
Oct. 20	18.99						

Dawson County

405250099445501. Local number 10N-21W-16DDD. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 120 ft (37 m), casing perforated below water table. Lsd 2,420.58 ft (737.79 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 9.74 ft (2.97 m) below lsd, Oct. 24, 25, 29, 1965; lowest 17.53 ft (5.34 m) below lsd, July 31, 1972. Records available: 1964-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.41	16.45	16.58	16.59	16.77	16.55	17.10	16.48	15.99	16.36	16.43	16.57
10	16.41	16.50	16.55	16.83	16.78	16.52	17.18	16.15	15.89	16.39	16.47	16.57
15	16.45	.....	16.54	16.64	16.77	16.49	17.43	16.34	15.91	16.34	16.50	16.59
20	16.41	16.52	16.55	16.68	16.83	16.50	17.29	16.96	16.18	16.34	16.53	16.60
25	16.46	16.53	16.57	16.76	16.70	16.50	17.37	16.63	16.24	16.36	16.50	16.61
Eom	16.42	16.51	16.59	16.75	16.59	16.52	17.53	16.47	16.27	16.42	16.53	16.56

1973

5	16.54	16.11	15.89	15.79	15.53	15.52	15.80	15.29	14.73	14.68	14.62	14.66
10	16.52	16.01	15.88	15.73	15.53	15.23	16.04	16.13	14.79	14.65	14.57	14.67
15	16.53	16.01	15.92	15.67	15.57	15.03	16.05	16.00	14.82	14.65	14.61	14.72
20	16.39	15.98	15.88	15.62	15.60	14.92	16.53	15.55	14.79	14.62	14.57	14.71
25	16.31	15.93	15.84	.....	15.73	14.83	15.64	15.88	14.81	14.65	14.59	14.67
Eom	16.16	15.92	15.82	15.58	15.68	14.89	15.27	15.37	14.75	14.57	14.64	14.74

1974

5	14.73	14.28	14.04	14.03	14.17	14.22	.....	15.43	15.43	16.14	16.41	16.54
10	14.75	14.26	14.07	13.90	14.25	14.01	.....	15.00	15.42	16.15	16.44	16.57
15	14.75	14.18	14.01	13.96	14.28	13.79	.....	15.07	15.46	16.23	16.45	16.61
20	14.64	14.15	13.99	13.90	14.32	13.68	15.99	15.67	15.79	16.20	16.50	16.63
25	14.53	14.11	13.95	13.97	14.38	13.79	16.25	15.74	15.94	16.38	16.52	16.66
Eom	14.46	14.08	13.95	14.07	14.36	.....	15.64	15.58	16.08	16.38	16.53	16.72

h Tape measurement.

40485009503501. Local number 10N-22W-29AA. U.S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diam 1 in (2.5 cm), depth 12 ft (4 m), screened 10-12 ft (3-4 m). Lsd 2,435.14 ft (742.23 m) above msl. MP top of casing, 1.80 ft (0.55 m) above lsd. Highest water level 1.52 ft (0.46 m) below lsd, July 12, 1947; lowest 8.88 ft (2.71 m) below lsd, Oct. 19, 1972. Records available: 1931-43, 1945-55, 1957-74. Oct. 19, 1972, 8.88; Nov. 7, 1973, 7.98; Oct. 23, 1974, 8.50.

Dundy County

400155101521301. Local number 1N-40W-29B5. U.S. Geol. Survey. Drilled observation water-table well in silt and clay, diam 8 in (20 cm), depth 21 ft (6 m), casing perforated below water table. Lsd 3,207.0 ft (977.5 m) above msl. MP top of casing, 1.60 ft (0.49 m) above lsd. Highest water level 10.12 ft (3.08 m) below lsd, Aug. 22, 23, 1950; lowest dry, Aug. 15, 20, 25, 31, Sept. 5, 1972. Records available: 1946-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.58	16.28	16.03	16.53	16.71	17.00	16.51	18.09	(f)	17.68	17.40	.....
10	h16.52	16.24	16.09	16.75	16.95	16.87	16.70	18.21	18.23	17.54	17.42	.....
15	16.49	16.19	16.35	16.74	16.76	16.79	16.97	(f)	18.07	17.45	17.29	.....
20	16.43	16.14	16.55	16.60	16.68	16.67	17.30	(f)	.....	17.52	17.20	.....
25	16.39	16.10	16.73	16.68	16.80	16.61	17.49	(f)	.....	17.52	17.11	.....
Eom	16.34	16.06	16.62	16.59	16.83	16.58	17.85	(f)	.....	17.62	17.05	.....

1973

5	.....	16.25	16.03	15.83	15.62	15.46	16.30	17.03	18.26	17.44	17.12	16.67
10	.....	16.21	15.99	15.79	15.58	15.43	16.63	17.06	18.28	17.32	17.03	16.61
15	16.46	.....	15.96	15.75	15.57	15.63	16.92	17.39	18.17	17.21	16.93	16.55
20	16.40	.....	15.92	.....	15.52	15.84	16.98	17.55	17.90	17.11	16.87	16.51
25	16.36	.....	15.89	15.69	15.49	15.82	16.82	17.79	17.72	17.07	.....	.....
Eom	16.29	16.07	15.86	15.65	15.49	16.23	16.76	18.08	17.57	17.31	16.75	.....

1974

5	.....	16.04	15.82	15.65	15.48	16.12	16.70	17.86	.....	18.17	17.79	17.21
10	16.28	16.01	15.79	15.60	15.45	16.19	16.85	17.99	18.27	.....	17.67	17.15
15	16.23	15.96	15.75	15.58	15.57	16.07	17.11	18.03	.....	18.22	17.56	17.08
20	16.18	15.91	15.73	15.56	15.85	16.01	17.25	18.27	.....	18.22	17.46	17.02
25	.....	15.90	15.70	15.53	15.90	16.29	17.41	.....	.....	18.15	17.37	16.96
Eom	.....	15.87	15.66	15.50	15.93	16.48	17.69	.....	.....	17.93	17.29	16.90

f Dry.

h Tape measurement.

400155101521302. Local number 1N-40W-29B2. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel, diam 6 in (15 cm), depth 49 ft (15 m), casing information not available. Lsd 3,205 ft (977 m) above msl. MP top of casing, 1.60 ft (0.49 m) above lsd. Highest water level 17.57 ft (5.36 m) below lsd, Dec. 31, 1974; lowest 20.98 ft (6.39 m) below lsd, Sept. 16, 1974. Records available: 1974. Replaces well 1N-40W-29B5. Sept. 16, 1974, 20.98 (tape measurement).

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.45	17.89
10	18.33	17.82
15	18.23	17.75
20	18.14	17.69
25	18.05	17.64
Eom	18.58	17.97	17.57

Fillmore County

402450097434001. Local number 5N-4W-12BC. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 100 ft (30 m), perforated 80-100 ft (24-30 m). Lsd 1,636 ft (499 m) above msl. MP top of casing, at lsd. Highest water level 73.13 ft (22.29 m) below lsd, June 15, 1957; lowest 87.59 ft (26.70 m) below lsd, Sept. 5, 1974. Records available: 1956-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	84.83	84.62	84.47	.....	83.94	83.74	84.02	85.66	86.45	86.59	86.25	86.14
10	84.81	84.62	84.35	.....	83.88	83.80	84.37	85.69	86.55	86.49	86.33	86.07
15	84.88	84.58	84.29	.....	83.85	83.73	84.68	85.85	86.56	86.54	86.25	86.06
20	h84.75	84.48	84.30	.....	83.82	83.74	85.05	86.04	86.58	86.39	86.22	85.99
25	84.85	84.55	84.27	84.00	83.81	83.64	85.30	86.26	86.62	86.37	86.12	85.96
Eom	84.63	84.45	84.23	83.93	83.75	83.77	85.62	86.44	86.57	86.35	86.09	85.93

402450097434001--Continued.

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	85.82	85.67	85.35	85.16	84.90	84.73	84.67	85.79	87.07	87.06	86.70	86.32
10	85.77	85.67	85.31	85.18	84.93	84.63	84.90	86.07	87.17	87.01	86.62	86.23
15	85.70	85.61	85.43	85.10	84.88	84.56	85.15	86.33	87.21	86.95	86.60	86.19
20	85.65	85.57	85.30	85.05	84.85	84.64	85.47	86.54	87.15	86.88	86.40	86.09
25	85.70	85.49	85.25	85.04	84.80	84.55	85.66	86.67	87.12	86.83	86.38	85.95
Eom	85.63	85.40	85.19	84.92	84.77	84.60	85.74	86.87	87.07	86.68	86.39	85.94

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	85.47	85.02	84.73	84.24	83.86	84.57	86.98	87.59	87.43	87.10	86.76
10	.....	85.38	85.05	84.50	84.09	83.95	84.95	87.22	87.55	87.32	87.02	86.74
15	h85.70	85.30	84.93	84.53	84.14	83.81	85.35	87.33	87.53	87.35	86.97	86.70
20	85.63	85.19	84.86	84.37	84.04	83.73	85.80	87.40	87.54	87.27	86.97	86.64
25	85.54	85.18	84.74	84.35	84.01	83.97	86.20	87.43	87.45	87.23	86.92	86.62
Eom	85.65	85.15	84.63	84.35	84.03	84.27	86.65	87.55	87.49	87.10	86.83	86.57

h Tape measurement.

403800097300701. Local number 8N-2W-26AD. U.S. Geol. Survey. Drilled observation water-table well in Peoria Loess of Pleistocene age, diam 8 in (20 cm), depth 40 ft (12 m), perforated 25-40 ft (8-12 m). Lsd 1,610 ft (491 m) above msl. MP top of casing, at lsd. Highest water level 5.46 ft (1.66 m) below lsd, Feb. 20, 1974; lowest 24.16 ft (7.36 m) below lsd, July 10, 1958. Records available: 1956-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.11	17.42	17.75	17.71	.....	15.24	16.03	14.12	14.97	15.59	15.55	13.55
10	17.06	17.48	17.62	17.72	.....	15.47	16.09	14.31	15.08	15.70	15.52	13.66
15	.....	17.38	17.45	17.84	.....	15.50	14.74	14.60	15.25	15.90	14.96	13.78
20	17.35	17.41	17.52	.....	15.19	15.69	14.73	14.85	15.62	15.64	.....	13.65
25	17.65	17.57	17.70	.....	15.22	15.56	14.80	14.98	15.53	15.67	13.67	13.77
Eom	17.17	17.21	17.76	.....	15.15	15.78	14.37	15.13	15.57	15.72	13.11	13.64

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.61	11.98	11.25	h6.49	8.21	7.83	10.52	12.26	13.26	10.45	8.71	8.44
10	13.50	11.92	11.19	....	6.57	7.99	11.04	12.59	13.20	10.37	8.80	8.53
15	13.66	12.39	9.10	....	....	8.47	11.42	12.92	13.06	7.75	8.91	8.69
20	12.75	12.40	....	7.39	7.83	9.13	11.59	13.25	12.85	8.01	8.75	8.71
25	12.52	11.69	....	7.86	8.21	9.54	11.76	13.43	12.80	8.25	7.82	....
Eom	12.19	11.75	....	8.00	8.27	10.10	12.07	13.67	9.90	8.34	8.30	....

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.81	7.24	6.21	7.16	6.37	7.79	9.66	11.15	11.41	12.41	h12.60	12.58
10	8.91	7.62	6.57	7.03	6.57	8.10	9.97	11.15	11.52	12.37	12.55	.....
15	8.91	6.35	6.62	7.21	6.55	8.34	10.34	11.21	11.74	12.58	12.60	12.72
20	8.70	5.46	6.80	7.14	6.84	8.55	10.60	11.13	12.00	12.57	12.70	12.77
25	8.50	6.01	6.75	6.37	7.19	9.01	10.81	11.16	12.08	12.63	12.76	12.90
Eom	7.59	6.05	6.85	5.90	7.57	9.36	11.08	11.35	12.41	12.49	12.70	12.97

h Tape measurement.

Purnas County

401718099491001. Local number 4N-22W-29AD. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 1 1/2 in (3.2 cm), depth 23 ft (7 m), screened 21-23 ft (6-7 m). Lsd 2,134 ft (650 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 5.1 ft (1.6 m) below lsd, Oct. 13, 1965; lowest 17.69 ft (5.39 m) below lsd, Feb. 8, 1946. Records available: 1946-74. Measurements made by U.S. Bureau of Reclamation.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6, 1972	11.70	Oct. 25, 1972	10.00	Aug. 23, 1973	6.20	July 10, 1974	8.60
May 1	11.90	Dec. 4	10.40	Sept. 19	8.00	Aug. 1	6.30
June 20	11.60	Mar. 1, 1973	11.30	Oct. 19	7.20	21	6.70
July 5	11.20	May 2	10.30	Dec. 3	9.20	Sept. 16	6.90
Aug. 1	8.30	June 13	10.70	Mar. 6, 1974	9.30	Oct. 21	9.10
22	7.80	July 9	9.50	May 1	13.80	Dec. 2	10.00
Sept. 15	8.90	Aug. 3	8.10	June 13	9.60		

Garden County

414413102244501. Local number 20N-44W-5DB. Crescent Lake Migratory Bird Refuge. Drilled observation water-table well in fine sand, diam 1 1/2 in (3.8 cm), depth 20 ft (6 m), screened 18-20 ft (5-6 m). Lsd 3,798.19 ft (1,157.69 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 4.30 ft (1.31 m) below lsd, Oct. 21, 1934; lowest 8.70 ft (2.65 m) below lsd, Apr. 11, 1941. Records available: 1934-74. Measurements made by Crescent Lake National Wildlife Refuge.

414413102244501--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1972	5.69	Oct. 6, 1972	7.83	July 1, 1973	7.09	Apr. 17, 1974	6.50
Apr. 7	7.45	Jan. 15, 1973	7.82	Oct. 17	7.01	July 10	6.57
July 12	7.41	Apr. 17	7.17	Feb. 27, 1974	6.60	Oct. 1	7.16

Garfield County

414718099083201. Local number 21N-16W-14CB. Frank Smolik. Drilled irrigation water-table well in gravel of Pleistocene age, diam 18 in (46 cm), depth 154 ft (47 m), casing perforated below water table. Lsd 2,174 ft (663 m) above msl. MP hole in turbine base, 2.00 ft (0.61 m) above lsd. Highest water level 21.62 ft (6.59 m) below lsd, Oct. 16, 1973; lowest 24.92 ft (7.60 m) below lsd, Oct. 28, 1959. Records available: 1950-74. Oct. 18, 1972, 22.98; Oct. 16, 1973, 21.62; Nov. 4, 1974, 23.62.

Gosper County

403626099451401. Local number 7N-21W-6BC. Andy Larson Estate. Drilled unused water-table well in Ogallala Formation of Miocene age, diam 4 in (10 cm), depth 132 ft (40 m), casing perforated below water table. Lsd 2,466.95 ft (751.93 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 57.30 ft (17.47 m) below lsd, Oct. 17, 1973; lowest 117.80 ft (35.91 m) below lsd, Sept. 26, 1935. Records available: 1934-40, 1948-74. Oct. 18, 1972, 59.20; Oct. 17, 1973, 57.30; Oct. 18, 1974, 57.60.

Hall County

405315098304301. Local number 11N-11W-25CC. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 8 in (20 cm), depth 37 ft (11 m), casing perforated below water table. Lsd 1,922.4 ft (586.0 m) above msl. MP top of casing, 1.60 ft (0.49 m) above lsd. Highest water level 12.18 ft (3.71 m) below lsd, June 25, 1949; lowest 23.99 ft (7.31 m) below lsd, Aug. 15, 1957. Records available: 1946-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.15	21.12	21.09	21.08	21.05	20.69	20.48	20.26	20.56	20.61	20.58	20.55
10	21.13	21.10	21.09	21.08	21.02	20.61	20.48	20.18	20.58	20.61	20.58	20.56
15	21.17	21.08	21.09	21.07	20.97	20.56	19.81	20.15	20.59	20.61	20.58	20.55
20	21.14	21.09	21.08	21.08	20.90	20.52	20.03	20.18	h20.61	20.60	20.58	20.53
25	21.16	21.08	21.09	21.10	20.87	20.46	20.28	20.34	20.61	20.59	20.57	20.53
Eom	21.12	21.06	21.08	21.07	20.76	20.42	20.30	20.48	20.61	20.58	20.57	20.50

1973

5	20.52	20.27	20.16	19.77	19.34	19.05	18.92	19.29	19.81	19.73	19.21	18.99
10	20.52	20.25	20.14	19.83	19.27	19.02	18.98	19.30	19.92	19.59	19.19	18.98
15	20.43	20.23	20.13	19.69	19.23	18.99	19.00	19.41	19.96	19.53	19.12	18.95
20	20.46	20.20	20.11	19.56	19.17	18.96	19.15	19.53	19.89	19.43	19.07	18.94
25	20.37	20.18	20.07	19.47	19.13	18.93	19.29	19.58	19.85	19.34	19.05	18.87
Eom	20.30	20.18	20.03	19.39	19.10	18.88	19.31	19.64	19.84	19.26	19.03	18.87

1974

5	18.85	18.70	18.36	18.04	17.80	17.65	17.72	19.17	19.91	20.02	20.00	20.01
10	.....	18.67	18.31	17.95	17.76	17.66	17.87	19.35	19.99	20.03	20.00	20.02
15	.....	.....	18.25	17.95	17.73	17.63	18.11	19.52	20.08	20.02	20.00	20.02
20	18.78	18.60	h18.15	17.88	17.73	17.58	18.25	19.67	20.09	20.01	20.00	20.02
25	18.77	18.53	18.13	17.85	17.72	17.58	18.62	19.71	20.10	20.01	20.00	20.03
Eom	18.72	18.45	18.05	17.81	17.69	17.61	18.93	19.77	20.04	h20.01	20.00	20.03

h Tape measurement.

Hamilton County

404d25037583301. Local number 10N-6W-26BC. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 131 ft (40 m), casing perforated below water table. Lsd 1,790.5 ft (545.7 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 84.90 ft (25.88 m) below lsd, June 20, 1956; lowest 101.98 ft (31.08 m) below lsd, Sept. 10, 1973, Aug. 15, 1974. Records available: 1956-74.

404825097583301--Continued.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	96.01	95.89	95.36	95.05	94.82	96.41	99.11	100.96	99.54	98.60	97.88
10	96.00	95.74	95.30	95.03	94.82	.....	99.22	100.58	99.38	98.46	97.82
15	95.95	95.50	95.24	94.97	94.78	.....	99.85	100.39	99.18	98.37	97.73
20	95.82	95.47	95.16	94.93	94.82	.....	100.58	100.23	99.01	h98.18	h97.67
25	95.86	95.46	95.11	94.89	94.72	98.97	101.08	100.03	98.91	98.05	97.56
Eom	96.08	95.77	95.41	95.10	94.85	94.90	98.84	101.08	99.77	98.73	97.98	97.46

1973

5	.....	96.96	96.60	96.27	95.90	h95.62	96.50	100.35	101.60	100.44	99.34	98.43
10	97.34	96.90	96.56	96.19	95.87	95.53	97.64	101.16	h101.98	100.31	99.16	98.31
15	97.28	96.85	96.52	96.12	95.85	95.45	98.57	101.47	101.59	100.08	99.05	98.19
20	97.20	96.78	96.46	96.03	95.76	95.52	99.31	101.76	101.29	99.90	98.80	98.05
25	97.16	96.70	96.37	96.02	95.70	95.47	99.03	101.96	100.98	99.74	98.67	97.88
Eom	96.98	96.67	96.31	95.95	95.67	95.70	99.33	101.42	100.71	99.44	98.58	97.78

1974

5	.....	97.14	96.44	96.00	95.44	94.99	96.78	101.06	101.79	100.57	99.52	98.69
10	97.53	96.86	96.43	95.78	.....	h95.06	97.90	101.57	.....	100.40	99.37	98.57
15	97.42	96.78	96.27	95.78	95.27	94.92	98.78	101.98	.....	100.25	99.17	98.45
20	97.29	96.65	96.19	95.63	95.22	94.84	99.50	101.62	101.27	100.06	99.07	98.35
25	97.20	96.63	96.07	95.58	95.20	94.80	100.03	101.68	100.95	99.88	98.96	98.26
Eom	97.20	96.56	95.95	95.55	95.12	95.66	100.95	101.50	100.80	99.68	98.83	98.12

h Tape measurement.

405514097573901. Local number 11N-6W-13CB. O. S. Swedberg. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 194 ft (59 m), casing perforated below water table. Lsd 1,812.2 ft (552.4 m) above msl. MP hole in south side turbine base, at lsd. Highest water level 90.04 ft (27.44 m) below lsd, Sept. 29, 1934; lowest 115.33 ft (35.15 m) below lsd, Oct. 4, 1974. Records available: 1934-42, 1944, 1946-74. May 16, 1972, 108.19; Oct. 24, 112.89; May 22, 1973, 109.32; Nov. 2, 113.65; May 7, 1974, 109.45; Oct. 4, 115.33.

Harlan County

400920099215501. Local number 2N-18W-95CC. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 5 1/2 in (14 cm), depth 170 ft (52 m), casing perforated below water table. Lsd 2,120 ft (646 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 84.39 ft (25.72 m) below lsd, May 10, 11, 1966; lowest 109.96 ft (33.52 m) below lsd, Sept. 15, 1974. Records available: 1964-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	86.52	86.31	86.33	86.07	.....	.....	.....	88.44	87.72	87.50	87.51	86.90
10	86.54	86.38	86.18	86.09	85.89	89.05	91.48	87.84	87.65	89.14	86.99	86.84
15	86.65	86.33	86.17	86.01	86.00	88.11	98.81	98.26	87.54	88.62	86.93	86.84
20	86.50	86.54	86.19	86.83	88.70	86.30	98.90	99.01	89.43	87.11	86.94	86.74
25	86.63	86.33	86.15	87.29	86.06	86.07	98.89	92.17	87.39	88.58	86.84	86.75
Eom	86.35	86.17	86.15	86.71	85.98	86.06	98.87	88.03	87.31	87.11	86.82	86.78

1973

5	86.67	86.51	86.24	86.14	.....	85.95	98.31	95.01	93.27	87.97	87.44	87.20
10	86.56	86.36	86.22	86.16	.....	85.89	98.91	99.73	89.61	87.88	87.36	87.13
15	86.60	86.47	86.39	86.10	.....	85.85	97.78	95.62	88.66	87.77	87.39	87.15
20	86.49	86.46	86.27	.....	85.96	88.17	93.18	94.94	88.31	87.62	87.17	87.08
25	86.53	86.38	86.19	.....	85.93	88.46	88.05	96.08	88.15	87.58	87.19	86.95
Eom	86.44	86.26	86.11	.....	85.93	96.93	89.67	99.77	88.02	87.37	87.23	86.99

1974

5	86.85	86.70	86.52	86.43	86.15	88.74	99.30	102.71	105.91	91.05	88.41	93.31
10	86.84	86.66	86.57	86.12	86.16	86.36	99.77	101.79	106.11	90.97	88.29	89.64
15	86.79	86.63	86.46	86.28	86.12	86.88	99.80	100.74	109.96	91.05	89.94	89.40
20	86.77	86.58	86.43	86.10	86.10	88.85	100.28	102.38	92.24	90.97	90.14	89.27
25	86.74	86.61	86.33	86.13	87.29	87.99	100.19	105.46	91.22	89.06	89.02	89.16
Eom	86.67	86.56	86.26	86.21	88.36	95.11	100.42	100.95	91.05	88.44	89.32	88.62

400620099274001. Local number 2N-19W-28DD. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1 in (2.5 cm), depth 22 ft (7 m), screened 20-22 ft (6-7 m). Lsd 1,960 ft (597 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 5.9 ft (1.8 m) below lsd, Feb. 15, 1966; lowest 12.2 ft (3.7 m) below lsd, Aug. 12, 1964. Records available: 1940-41, 1946-66, 1968-74. Measurements made by U.S. Bureau of Reclamation. Mar. 7, 1972, 9.60; Aug. 3, 9.90; Mar. 1, 1973, 9.10; Aug. 3, 9.30; Mar. 7, 1974, 8.60; Aug. 1, 11.00

Hitchcock County

401458100542001. Local number 3N-32W-11SE. U.S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diam 1 1/2 in (3.8 cm), depth 18 ft (5 m), screened 16-18 ft (4.7-5.5 m). Lsa 1,615 ft (7.7 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsa. Highest water level 11.30 ft (3.7 m) below lsa, Apr. 2, 1963; lowest 15.80 ft (4.82 m) below lsa, Aug. 2, 1970. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1970	g14.80	Oct. 17, 1972	14.30	Aug. 10, 1973	g14.80	Oct. 30, 1973	g14.50
June 16	g15.30			Oct. 23	14.45	Oct. 15, 1974	15.22
Aug. 2	g14.80	Mar. 24, 1973	g14.70				

g Measurement made by U.S. Bureau of Reclamation.

Scott County

4160509803001. Local number 27N-24W-34DA. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1 in (2.5 cm), depth 17 ft (5 m), screened 15-17 ft (4.6-5.2 m). Lsa 1,841 ft (561 m) above msl. MP top of casing, 1.10 ft (0.34 m) above lsa. Highest water level 2.07 ft (0.61 m) below lsa, Apr. 5, 1960; lowest 9.90 ft (3.02 m) below lsa, Sept. 1, 1948. Records available: 1934-74.

Jan. 5, 1974	7.70	Oct. 5, 1970	8.19	July 25, 1975	8.10	Apr. 4, 1974	7.47
Feb. 16	7.54	Feb. 24	8.15	Aug. 15	8.24	May 17	7.76
Mar. 8	7.83	Mar. 16	7.50	Sept. 5	8.55	June 2	7.90
Apr. 19	7.61	Dec. 6	7.74	Oct. 25	7.81	July 10	8.47
May 11	6.81	Jan. 17, 1973	7.24	Nov. 28	7.77	Aug. 7	8.86
June 1	7.14	Feb. 7	6.74	Dec. 12	7.55	Sept. 19	7.64
23	7.62	Mar. 29	5.53	Jan. 9, 1974	7.51	Oct. 26	8.41
July 10	7.90	Apr. 12	6.50	Feb. 21	7.25	Nov. 21	8.32
Aug. 1	5.77	May 24	7.44	Mar. 13	7.22	Dec. 11	5.19
Sept. 14	5.00	June 12	6.70				

422845098370701. Local number 29N-11W-21BBB. Murphy. Drilled stock water-table well in sand of Pleistocene age, diam 5 in (13 cm), depth 55 ft (17 m), casing perforated below water table. Lsa 2,001.00 ft (609.22 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsa. Highest water level 16.57 ft (5.1 m) below lsa, Jan. 24, 1940; lowest 19.77 ft (6.07 m) below lsa, Oct. 27, 1964. Records available: 1947-53, 1955-74. Oct. 17, 1972, 27.28; Oct. 24, 1973, 27.13; Nov. 6, 1974, 29.09.

42314509806001. Local number 30N-10W-32DA. William J. Murphy. Drilled observation water-table well in sand and gravel, diam 6 in (15 cm), depth 85 ft (26 m), casing perforated below water table. Lsa 1,950 ft (595 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsa. Highest water level 35.41 ft (10.74 m) below lsa, Oct. 21, 1966; lowest 45.05 ft (13.73 m) below lsa, Dec. 31, 1974. Records available: 1966-74.

Lowest water level for the day, from recorder graph, 1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	43.62	.....	.....	.....	.....	43.62	43.53	43.60	43.65	43.70	43.77	43.45
10	43.62	.....	.....	.....	.....	43.60	43.50	43.60	43.66	43.72	43.68	43.66
15	.....	.....	.....	.....	.....	43.68	43.50	43.60	43.68	43.75	43.66	43.67
20	.....	.....	.....	.....	.....	43.67	43.52	43.60	43.68	43.77	43.69	43.65
25	43.64	.....	.....	.....	43.64	43.65	43.56	43.62	43.68	43.79	43.62	43.63
End	43.63	.....	.....	.....	43.64	43.53	43.50	43.64	43.69	43.76	43.64	43.61

1973

5	43.61	43.55	43.49	43.31	43.16	42.92	42.77	42.77	43.07	43.34	43.42	43.38
10	43.61	43.52	43.41	43.23	43.14	42.86	42.72	42.81	43.12	43.35	43.43	43.37
15	43.60	43.50	43.40	43.27	43.11	42.82	42.74	42.84	43.17	43.38	43.40	43.36
20	43.57	43.49	43.38	43.24	43.07	42.77	42.73	42.91	43.21	43.39	43.40	43.36
25	43.56	43.45	43.36	43.22	43.06	42.76	42.75	42.92	43.20	43.39	43.39	43.32
End	43.54	43.44	43.33	43.20	43.07	42.77	42.77	42.94	43.21	43.39	43.40	43.32

1974

5	.....	44.27	43.77	43.11	43.03	43.00	43.11	43.61	44.05	44.42	44.72	44.93
10	44.23	43.27	43.45	43.08	43.02	43.02	43.16	43.69	44.13	44.47	44.76	44.96
15	44.23	43.24	43.15	43.10	43.02	43.04	43.25	43.77	44.20	44.56	44.90	45.00
20	43.29	43.22	43.14	43.06	43.00	43.02	43.32	43.63	44.26	44.56	44.82	45.01
25	43.28	43.23	43.11	43.06	43.00	43.05	43.42	43.30	44.31	44.63	44.85	45.04
End	43.25	43.20	43.10	43.05	43.03	43.07	43.53	43.31	44.37	44.69	44.88	45.05

h Tape measurement.

41730898560001. Local number 31N-14W-27ED. Elmer Goldfuss. Drilled observation water-table well in sand and gravel, diam 8 in (20 cm), depth 70 ft (21 m), casing perforated below water table. Lsa 2,050 ft (624 m) above msl. MP top of casing, at lsa. Highest water level 30.91 ft (9.42 m) below lsa, July 7, 1967; lowest 40.36 ft (12.30 m) below lsa, Sept. 15, 1971. Records available: 1966-74.

NEBRASKA, KIMBALL COUNTY

423730098560001--Continued.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	38.32	37.92	37.62	37.38	37.21	37.13	36.65	36.65	37.43	37.19	36.65	36.72
10	38.24	37.87	37.56	37.34	37.17	37.03	36.80	36.26	37.58	37.29	36.58	36.53
15	38.20	37.80	37.51	37.31	37.15	36.98	37.05	36.43	37.64	37.02	36.52	36.14
20	38.10	37.75	37.47	37.28	37.11	37.02	37.33	36.66	37.55	36.93	h36.49	36.18
25	38.08	37.70	37.46	37.25	37.15	36.91	37.34	36.39	37.41	36.85	36.34	36.15
Eom	37.97	37.64	37.42	37.23	37.18	36.74	37.06	37.22	37.26	36.75	36.25	36.11

1973

5	36.08	35.84	35.61	35.41	35.23	35.11	33.59	34.70	36.61	36.27	35.47	34.65
10	36.03	35.81	35.50	35.40	35.17	34.85	33.90	35.09	36.63	36.18	35.32	34.57
15	36.00	35.82	35.61	35.39	35.14	34.54	34.23	35.45	36.58	36.12	35.14	34.49
20	35.95	35.81	35.54	35.35	35.06	34.24	34.58	35.31	36.51	35.96	35.01	34.41
25	35.92	35.73	35.47	35.32	35.31	33.97	34.22	35.02	36.41	35.41	34.87	34.30
Eom	35.86	35.66	35.44	35.27	35.20	33.44	34.55	35.43	36.34	35.62	4.70	34.28

1974

5	.....	33.93	33.73	33.65	33.50	33.80	34.35	37.54	39.04	39.10	36.48	36.05
10	.....	33.88	33.76	33.56	33.53	33.63	34.82	37.92	39.15	38.92	36.40	36.00
15	34.05	33.84	33.69	33.62	33.54	33.62	35.34	38.22	39.26	38.87	36.34	35.93
20	34.01	33.61	33.67	33.53	33.57	33.58	35.82	38.42	39.28	38.77	36.26	35.88
25	33.98	33.62	33.63	33.55	33.62	33.74	36.36	38.74	39.46	38.77	36.20	35.86
Eom	33.99	33.79	33.53	33.54	32.67	34.02	36.99	38.98	39.24	38.56	36.11	35.81

n. Tape measurement.

Kearney County

403053098551501. Local number 6N-15W-10E. Roy Youngson. Drilled irrigation water-table well in gravel, diam 18 in (46 cm), depth 176 ft (54 m), casing perforated below water table. Lsd 2,171.80 ft (661.96 m) above msl. MP hole in turbine base, 1.00 ft (0.30 m) above lsd. Highest water level 44.85 ft (13.67 m) below lsd, Oct. 16, 1974; lowest 71.36 ft (21.75 m) below lsd, June 29, 1948. Records available: 1948-74. Oct. 18, 1972, 46.90; Oct. 16, 1973, 46.00; Oct. 16, 1974, 44.85.

402625098594501. Local number 6N-15W-34D. Conservation and Survey Division, University of Nebraska. Drilled observation water-table well in sand and gravel, diam 6 in (15 cm), depth 210 ft (64 m), cased with steel, perforated 190-210 ft (58-64 m). Lsd 2,210 ft (674 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 70.46 ft (24.22 m) below lsd, June 15, 1974; lowest 108.61 ft (33.10 m) below lsd, July 10, 1974. Records available: 1-66-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	82.54	81.13	82.03	81.49	81.29	80.97	90.17	.....	86.00	83.09	82.31	82.07
10	h82.16	82.19	81.83	84.10	81.24	81.03	98.65	84.41	84.30	82.88	82.29	.....
15	82.87	81.90	81.52	81.85	81.02	80.97	99.37	100.52	84.08	83.00	82.30	.....
20	82.35	82.01	81.95	81.75	81.14	80.61	.....	99.45	84.15	82.75	82.30	.....
25	82.64	81.91	81.62	81.61	81.05	80.71	.....	88.75	83.27	82.67	81.94	.....
Eom	82.10	81.62	81.55	81.30	81.04	80.83	.....	91.99	82.24	82.54	81.99	.....

1973

5	.....	.....	80.83	80.75	80.26	80.28	101.29	99.58	h86.68	83.36	83.07	82.28
10	.....	81.20	80.85	80.79	80.37	80.10	102.64	.....	85.66	83.51	82.94	82.24
15	.....	81.39	81.04	80.46	80.56	79.89	106.20	98.70	80.92	83.61	82.62	82.11
20	.....	81.21	80.95	80.27	80.17	81.95	106.11	99.90	84.45	83.39	82.18	82.13
25	.....	81.12	80.63	80.54	80.12	81.57	107.21	98.41	84.10	83.15	82.27	81.58
Eom	.....	80.90	80.58	80.25	79.78	79.92	102.48	96.51	93.90	82.76	82.47	81.88

1974

5	81.53	81.32	80.54	80.52	.....	.....	.....	h70.76	91.05	84.12	83.03	82.09
10	81.42	81.02	80.82	79.95	.....	.....	108.61	95.65	91.44	83.87	82.79	82.07
15	81.33	80.33	80.55	80.25	.....	.....	79.46	104.84	.....	80.29	84.02	82.80
20	81.12	80.63	80.42	79.74	.....	.....	79.64	105.46	.....	85.70	83.54	82.74
25	81.26	81.11	80.30	79.93	.....	81.83	.....	.....	85.24	83.43	82.93	82.35
Eom	81.10	80.72	79.93	80.02	79.91	79.83	105.15	.....	84.72	82.46	82.55	81.97

n. Tape measurement.

Kimball County

41160010393501. Local number 15W-95W-1700. Kimball Irrigation District. Drilled unused water-table well in gravel, diam 4 in (10 cm), depth 114 ft (35 m), casing perforated below water table. Lsd 4,739.6 ft (1,444.6 m) above msl. MP top of casing, 6.64 ft (2.02 m) above lsd. Highest water level 92.18 ft (28.10 m) below lsd, Jan. 2, 1976; lowest 100.25 ft (30.77 m) below lsd, Oct. 29, 1965. Records available: 1935-42, 1950-74. Oct. 17, 1971, 89.03; Oct. 25, 1973, 98.96; Oct. 28, 1974, 98.28.

Lancaster County

403643096433001. Local number 8N-6E-34DD. U.S. Geol. Survey. Drilled observation water-table well in sand, diam 8 in (20 cm), depth 53 ft (16 m), casing perforated below water table. Lsd 1,285 ft (392 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 3.41 ft (1.04 m) below lsd, Apr. 5, 1960; lowest 8.90 ft (2.71 m) below lsd, July 31, 1954. Records available: 1954-74. Oct. 24, 1972, 5.72; Oct. 15, 1973, 4.05; Oct. 22, 1974, 8.13.

403929096401001. Local number 8N-7E-18DDB. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel, diam 8 in (20 cm), depth 41 ft (13 m), perforated 36-41 ft (11-13 m). Lsd 1,215 ft (370 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 1.63 ft (0.50 m) below lsd, Aug. 25, 1954; lowest 12.55 ft (3.83 m) below lsd, June 20, 1956. Records available: 1954-74. Oct. 24, 1972, 10.58; Oct. 26, 1973, 3.15; Oct. 22, 1974, 11.14.

4038330964385501. Local number 8N-7E-20DDA. U.S. Geol. Survey. Drilled observation water-table well in sand, diam 8 in (20 cm), depth 33 ft (10 m), casing perforated below water table. Lsd 1,243 ft (379 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 0.16 ft (0.05 m) above lsd, Mar. 27, 1960; lowest 11.55 ft (3.52 m) below lsd, Mar. 20, 1957. Records available: 1954-74. Oct. 24, 1972, 4.95; Oct. 26, 1973, 2.31; Oct. 22, 1974, 5.91.

404730096440401. Local number 10N-6E-34CA. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 8 in (20 cm), depth 36 ft (11 m), casing perforated below water table. Lsd 1,149 ft (350 m) above msl. MP top of casing, 2.30 ft (0.61 m) above lsd. Highest water level 9.20 ft (2.80 m) below lsd, Oct. 15, 1973; lowest 13.53 ft (5.65 m) below lsd, Feb. 20, 1957. Records available: 1951-74. Oct. 24, 1972, 16.36; Oct. 15, 1973, 9.20; Oct. 22, 1974, 15.20.

404706096413001. Local number 10N-6E-36CDD. City of Lincoln. Drilled unused water-table well in Dakota Sandstone of Early Cretaceous age, diam 16 in (41 cm), depth 170 ft (52 m), casing perforated below water table. Lsd 1,200 ft (366 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 52.99 ft (16.15 m) below lsd, June 20, 1974; lowest 71.19 ft (21.70 m) below lsd, Sept. 5, 1956. Records available: 1951-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	57.33	.....	57.17	56.81	56.82	56.48	56.68	56.76	56.73	56.85	56.73	56.95
10	56.95	57.15	56.98	56.82	56.91	56.66	56.56	56.70	56.79	56.78	56.83	56.96
15	57.56	57.05	56.75	56.88	56.71	56.59	56.63	56.77	56.80	57.04	56.84	56.94
20	57.28	56.98	56.73	56.91	56.80	56.57	56.64	56.72	57.01	56.80	56.92	56.64
25	57.47	57.12	56.90	56.99	56.79	56.40	56.65	56.78	56.86	56.85	56.55	56.78
Eom	.....	56.76	56.90	56.82	56.56	56.44	56.74	56.93	56.85	56.91	56.69	56.90

1973

5	56.82	56.65	56.20	56.19	55.79	55.55	55.26	54.90	55.07	54.98	54.88	54.46
10	56.66	56.50	56.26	56.27	55.88	55.30	55.28	54.94	55.00	54.86	54.72	54.35
15	56.63	56.72	56.57	56.02	55.90	55.18	55.19	54.94	55.01	54.99	54.67	54.51
20	56.41	56.57	56.45	55.98	55.72	55.45	55.05	55.02	54.91	54.78	54.24	54.36
25	56.61	56.53	56.21	56.06	55.60	55.17	55.07	54.80	54.89	54.79	54.40	54.03
Eom	56.36	56.29	56.06	56.02	55.63	55.20	55.08	54.86	54.83	54.52	54.64	54.35

1974

5	54.07	53.85	53.65	53.75	53.30	53.00	53.19	53.47	53.53	53.66	53.74	53.40
10	54.02	53.86	53.91	53.29	53.16	53.26	53.15	53.44	53.39	53.53	53.55	53.48
15	53.94	53.82	53.67	53.59	53.30	53.15	53.36	53.52	53.51	53.78	53.63	53.50
20	53.88	53.60	53.64	53.23	53.16	52.99	53.33	53.36	53.67	53.77	53.71	53.47
25	53.87	53.91	53.45	53.33	53.22	53.16	53.33	53.47	53.52	53.78	53.80	53.65
Eom	54.13	53.77	53.29	53.46	53.29	53.20	53.45	53.51	53.83	53.51	53.65	53.70

405405096455501. Local number 11N-6E-20DC. U.S. Geol. Survey. Drilled observation water-table well in sand and alluvium, diam 8 in (20 cm), depth 30 ft (9 m), casing perforated below water table. Lsd 1,189 ft (362 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 11.69 ft (3.56 m) below lsd, Oct. 8, 1963; lowest 17.53 ft (5.34 m) below lsd, Jan. 5, 1957. Records available: 1951-74. Oct. 27, 1972, 16.65; Oct. 26, 1973, 13.33; Nov. 4, 1974, 15.38.

Merrick County

410143098090301. Local number 12N-7W-7AA. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 14 in (3.2 cm), depth 13 ft (4 m), screened 11-13 ft (3-4 m). Lsd 1,762.16 ft (537.11 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 3.84 ft (1.17 m) below lsd, Feb. 14, 1974; lowest 10.26 ft (3.13 m) below lsd, Nov. 5, 1956. Records available: 1945-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1972	8.80	Oct. 18, 1972	8.55	July 23, 1973	6.16	Apr. 22, 1974	4.68
Feb. 17	8.82	Nov. 20	8.27	Aug. 14	6.90	June 24	5.30
Mar. 30	8.87	Dec. 20	8.00	Sept. 20	7.58	July 16	6.44
Apr. 27	8.82	Jan. 24, 1973	7.74	Oct. 26	5.80	Aug. 31	8.30
May 16	7.29	Feb. 21	7.40	Nov. 29	4.68	Sept. 27	8.71
June 15	7.29	Mar. 13	6.75	Dec. 28	4.60	Oct. 23	8.91
July 27	7.23	Apr. 25	4.54	Jan. 15, 1974	4.69	Nov. 26	9.10
Aug. 22	7.65	May 16	5.13	Feb. 14	3.84	Dec. 19	8.60
Sept. 21	8.35	June 25	5.77	Mar. 19	4.15		

405755098111301. Local number 12N-8W-36BC. U.S. Geol. Survey. Jetted observation water-table well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 8 ft (2 m), perforated 5-8 ft (1.5-2.4 m). Lsd 1,785.38 ft (544.18 m) above msl. MP top of casing, 1.00 ft (0.30 m) below lsd. Highest water level 1.02 ft (0.31 m) below lsd, June 13, 1967; lowest 6.07 ft (1.85 m) below lsd, July 31, 1974. Records available: 1958-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.14	4.33	3.80	3.99	3.31	4.32	5.08	4.83	5.22	5.00	....	3.88
10	4.04	4.33	3.75	3.95	3.02	4.68	5.23	5.03	5.21	4.93	....	4.21
15	4.29	4.15	3.62	4.10	2.91	4.84	5.04	5.26	5.08	4.88	....	4.17
20	4.23	3.97	3.65	3.87	3.52	4.85	5.08	5.41	5.20	....	h3.12	4.00
25	4.23	3.83	3.63	3.81	3.37	5.00	5.33	5.23	4.96	....	....	3.72
Eom	4.42	3.78	3.86	3.27	3.87	5.15	5.18	5.33	4.93	....	3.48	3.42

1973

5	3.55	....	....	....	....	....	....	....	....	3.28	3.77	3.28
10	3.85	....	....	....	....	....	....	....	....	....	3.84	3.38
15	3.75	....	....	....	....	....	....	....	....	....	3.85	3.48
20	3.23	....	....	....	....	....	....	....	h4.08	....	3.56	3.53
25	....	....	....	h3.13	....	h4.74	....	....	....	....	3.02	3.47
Eom	....	....	....	....	....	....	....	....	....	3.65	3.03	3.33

1974

5	3.26	3.02	3.41	3.17	4.25	4.87	5.34	5.87	5.71	5.54	5.15	4.87
10	3.09	3.26	3.57	3.53	4.08	3.84	5.58	5.95	5.75	5.52	5.07	4.84
15	2.91	2.97	3.51	3.43	3.64	4.08	5.76	5.94	5.68	5.47	5.03	....
20	2.58	3.11	3.57	3.65	3.86	4.54	5.89	5.73	5.63	5.42	4.97	4.70
25	2.79	3.38	3.66	3.88	4.24	4.83	5.97	5.74	5.60	5.38	4.92	4.62
Eom	2.69	3.32	3.76	4.06	4.58	5.13	6.07	h5.75	5.57	5.24	4.89	4.54

h Tape measurement.

Morrill County

414107103054501. Local number 20N-50W-28BB. Fred Smith. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 14 in (3.2 cm), depth 35 ft (11 m), screened 33-35 ft (10-11 m). Lsd 3,675 ft (1,120 m) above msl. MP top of casing, 2.80 ft (0.85 m) above lsd. Highest water level 11.87 ft (3.62 m) below lsd, Sept. 7, 1951; lowest 17.33 ft (5.28 m) below lsd, Oct. 26, 1954. Records available: 1934-42, 1944-74. Oct. 17, 1972, 13.26; Oct. 29, 1973, 13.40; Oct. 18, 1974, 13.12.

Nuckolls County

400240098111301. Local number 1N-8W-23AB. U.S. Geol. Survey. Drilled observation water-table well in silt, loess, and clay of Pleistocene age, diam 8 in (20 cm), depth 18 ft (5 m), casing perforated below water table. Lsd 1,598.15 ft (487.12 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 0.02 ft (0.01 m) below lsd, July 29, 1951; lowest (revised), dry, May 5, 1970. Records available: 1950-68, 1970-74. Apr. 3, 1972, 5.85; Oct. 16, 5.80; May 17, 1973, 4.67; Oct. 15, 0.58; May 22, 1974, 5.00; Oct. 15, 5.80.

Phelps County

403123099261501. Local number 6N-19W-2AA. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diam 1 in (2.5 cm), depth 151 ft (46 m), screened 149-151 ft (45-46 m). Lsd 2,360.81 ft (719.57 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 49.10 ft (14.97 m) below lsd, Oct. 29, 1973; lowest 123.70 ft (37.70 m) below lsd, Mar. 9, 1945. Records available: 1945-56, 1958-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16, 1972	g53.18	Oct. 19, 1972	50.90	Sept. 6, 1973	g53.57	May 16, 1974	g51.06
Apr. 12	g53.79	Dec. 7	g52.95	Oct. 29	49.10	July 10	g52.53
July 6	g53.49	Jan. 8, 1973	g51.10	Nov. 8	g52.48	Sept. 5	g53.13
Aug. 9	g55.00	Apr. 11	g51.40	Jan. 25, 1974	g51.24	Oct. 17	49.20
Oct. 13	g53.05	July 10	g52.61	Mar. 7	g50.84		

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

Platte County

412955097192001. Local number 18N-1E-28CD. Loup River Public Power District. Drilled observation water-table well in sand of Pleistocene age, diam 2 in (5.1 cm), depth 99 ft (30 m), screened 97-99 ft (29.6-30.2 m). Lsd 1,511.8 ft (460.8 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 60.30 ft (18.38 m) below lsd, Mar. 27, Apr. 24, 1940; lowest 72.81 ft (22.19 m) below lsd, Oct. 9, 1958. Records available: 1935-40, 1942-53, 1956-74. Oct. 12, 1972, 64.79; Oct. 24, 1973, 67.03; Oct. 16, 1974, 67.18.

Red Willow County

401015100553701. Local number 2N-29W-44E. Fex S. Faberman. Drilled unused water-table well in sand of Pleistocene age, diam 26 in (66 cm), depth 40 ft (12 m), casing perforated below water table. Lsd 1,451 ft (756 m) above msl. MF top of casing, 5.00 ft (0.91 m) below lsd. Highest water level 28.91 ft (7.00 m) below lsd, Oct. 21, 1964; lowest 37.10 ft (11.31 m) below lsd, July 11, 1955. Records available: 1950-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1972	28.70	Mar. 2, 1973	28.00	Oct. 16, 1973	28.30	Aug. 7, 1974	28.40
Aug. 7	28.50	Aug. 5	28.00	May 4, 1974	28.20	Oct. 15	28.32
Oct. 17	28.68						

g Measurement made by U.S. Bureau of Reclamation.

Saline County

40305509707501. Local number 8N-3E-194D4. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 5 in (13 cm), depth 151 ft (46 m), perforated 143-151 ft (43-46 m). Lsd 1,496 ft (456 m) above msl. MF top of casing, at lsd. Highest water level 96.36 ft (29.43 m) below lsd, Mar. 16, Apr. 15, 16, 1963; lowest 103.98 ft (31.63 m) below lsd, Aug. 24, 1971. Records available: 1959-74.

Lowest water level for the day, from recorder graph, 1972

Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
5	101.16	101.15	101.57	101.38	101.38	102.18	103.22	103.63	103.23	102.75	102.72
10	102.25	101.05	101.76	101.52	101.53	102.72	103.40	103.59	103.10	102.86	102.64
15	102.09	101.59	101.46	102.72	103.32	103.51	103.28	102.80	102.59	102.59	102.59
20	101.30	101.91	101.66	101.47	101.33	102.75	103.95	103.65	102.90	102.80	102.34
25	102.68	102.10	101.69	101.51	101.16	103.23	103.80	103.44	102.97	102.38	102.46
End	101.66	101.69	101.39	101.25	103.31	103.95	103.32	103.01	102.45	102.69	102.69

1973

Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
5	101.34	101.17	101.64	101.70	101.20	101.14	101.77	102.65	103.25	103.06	102.24
10	101.32	101.81	101.72	101.50	101.42	101.66	102.38	103.40	103.51	102.93	102.46
15	101.25	101.19	102.17	101.47	101.32	100.91	102.73	105.45	103.37	102.57	102.28
20	101.61	101.61	101.86	101.53	101.47	101.33	102.75	103.59	103.13	102.44	101.93
25	102.24	102.02	101.65	101.56	101.22	100.92	102.62	102.12	102.07	102.65	102.07
End	101.62	101.68	102.48	102.26	101.34	101.42	102.62	103.25	102.97	102.24	102.02

1974

Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
5	101.42	101.05	100.65	100.98	100.00	99.37	101.86	102.93	102.88	102.22	101.84
10	101.48	101.15	101.22	100.98	99.80	99.66	102.02	103.86	102.60	102.04	101.57
15	101.55	101.16	100.75	100.54	99.93	99.60	102.95	103.61	102.65	102.29	101.70
20	101.23	100.79	100.70	99.68	99.75	99.40	103.62	103.18	102.73	102.09	101.79
25	101.37	101.32	100.45	100.10	99.20	99.11	103.40	103.09	102.33	102.03	101.96
End	101.54	100.57	100.09	100.27	99.85	101.16	103.62	103.06	102.82	101.70	101.54

h Tape measurement.

Sauvies County

4102609020401. Local number 13N-9E-2400. City of Lincoln. Drilled observation water-table well in sand of Pleistocene age, diam 1 1/2 in (3.8 cm), depth 12 ft (4 m), screened 10-12 ft (3-4 m). Lsd 1,065.22 ft (324.68 m) above msl. MF top of casing, 4.50 ft (1.37 m) above lsd. Highest water level 0.48 ft (0.15 m) below lsd, July 31, 1946; lowest 9.54 ft (2.91 m) below lsd, Oct. 25, 1971. Records available: 1933-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1972	8.17	Nov. 1, 1972	8.08	Aug. 25, 1973	6.35	May 25, 1974	4.05
Feb. 25	7.56	25	6.27	Sept. 25	7.38	June 25	5.04
Mar. 25	7.47	Dec. 25	6.40	Oct. 19	2.95	July 25	6.67
Apr. 25	7.09	Jan. 25, 1973	5.62	25	3.59	Aug. 25	7.87
May 25	3.70	Feb. 25	4.30	Nov. 25	3.65	Sept. 25	8.35
June 25	5.42	Mar. 25	1.40	Dec. 25	4.32	Oct. 25	8.46
July 25	6.70	Apr. 25	2.46	Jan. 25, 1974	3.94	Nov. 1	8.40
Aug. 25	7.37	May 25	3.20	Feb. 25	3.05	25	0.35
Sept. 25	8.28	June 25	4.20	Mar. 25	3.65	Dec. 25	7.86
Oct. 15	9.16	July 25	4.95	Apr. 25	4.00		

4100509261501. Local number 14N-8E-244D2. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 1 1/2 in (3.8 cm), depth 60 ft (24 m), plastic pipe slotted 60-80 ft (18-24 m). Lsd 1,171 ft (357 m) above msl. MF top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 42.47 ft (12.94 m) below lsd, May 5, 25, 31, June 5, 1974; lowest 44.31 ft (13.51 m) below lsd, Sept. 20, 1972. Records available: 1971-74.

411005096281502--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	44.07	44.06	44.12	44.12	44.12	43.81	43.83	44.03	44.25	44.26	44.14	44.15
10	44.06	44.10	44.06	44.12	43.95	43.84	43.75	44.08	44.25	44.25	44.25	44.26
15	44.15	44.07	44.04	44.12	43.86	43.83	43.61	44.11	44.26	44.29	44.25	44.21
20	44.08	44.08	44.06	44.12	43.86	43.85	43.85	44.18	44.32	44.24	44.26	44.10
25	44.15	44.10	44.12	44.17	43.86	43.80	43.87	44.20	44.27	44.25	44.16	44.21
Eom	44.04	44.02	44.12	44.14	43.83	43.80	43.96	44.25	44.26	44.27	44.19	44.24

1973

5	44.22	44.06	43.94	43.69	42.53	43.27	43.20	43.05	43.29	43.20	42.95	42.90
10	44.13	44.04	43.91	43.67	43.54	43.30	43.11	43.04	43.30	43.15	42.96	42.85
15	44.17	44.09	43.93	43.61	43.44	43.26	43.12	43.05	43.30	43.11	42.95	42.93
20	44.10	44.07	43.86	43.59	43.46	43.28	43.27	43.05	43.24	43.03	42.90	42.85
25	44.10	44.05	42.90	43.56	43.31	43.20	43.07	43.03	43.22	43.10	42.90	42.81
Eom	44.05	43.99	43.75	43.57	43.37	43.17	43.17	43.16	43.18	42.93	42.93	42.85

1974

5	42.81	42.69	42.73	42.60	42.47	42.47	42.54	43.10	43.17	43.11	42.88	42.75
10	42.80	42.77	42.74	42.49	42.46	42.45	42.63	43.16	43.11	42.96	42.82	42.73
15	42.79	42.75	42.65	42.55	42.48	42.44	42.75	43.13	43.11	42.95	42.84	42.72
20	42.77	42.70	42.63	42.49	42.46	42.50	42.83	43.17	43.11	42.95	42.83	42.71
25	42.76	42.79	42.57	42.49	42.47	42.51	42.91	43.19	43.04	42.93	42.84	42.77
Eom	42.83	42.74	42.53	42.50	42.47	42.52	43.04	43.20	43.08	42.95	42.80	42.75

h Tape measurement.

Sackett Bluff County

4153-5103342801. Local number 22N-55W-11DDC. U.S. Geol. Survey. Bored observation water-table well in sand and gravel of Pleistocene age, diam 6 in (1.5 cm), depth 32 ft (10 m), cased with galvanized iron. Lsd 3,955 ft (1,205 m) above msl. WF top of casing, at lsd. Highest water level 23.05 ft (7.03 m) below lsd, Sept. 25, 1974; lowest 26.55 ft (8.09 m) below lsd, May 10, 31, June 1, 1963. Records available: 1962-74.

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.46	.....	25.63	25.47	26.12	26.20	26.36	25.68	25.10	25.06	25.15	25.39
10	25.49	25.64	25.65	26.00	26.16	26.29	26.29	25.74	25.15	25.11	25.13	25.42
15	25.52	25.64	25.68	26.03	26.19	26.30	26.16	25.71	25.30	25.14	25.32	25.45
20	25.54	25.75	25.60	26.07	26.22	26.31	26.05	25.97	25.00	25.17	25.35	25.47
25	25.57	25.77	25.63	26.09	26.26	26.33	25.93	25.94	25.04	25.19	25.36	25.51
Eom	25.61	25.60	25.44	26.10	26.29	26.35	25.83	25.42	25.15	25.13	25.37	25.54

1973

5	25.58	25.72	25.86	26.11	26.24	26.18	25.74	25.61	24.88	24.43	24.16	24.92
10	25.61	25.75	25.83	26.13	26.38	26.14	25.73	25.40	24.89	24.45	24.72	24.95
15	25.64	25.75	25.91	26.14	26.45	25.92	25.71	25.45	24.54	24.44	24.74	24.69
20	25.63	25.79	.....	26.18	26.40	25.84	25.60	25.21	24.50	24.51	24.77	25.03
25	25.65	25.81	26.08	26.23	26.35	25.86	25.45	25.38	24.46	24.55	24.81	25.05
Eom	25.67	25.82	26.10	26.18	26.28	25.65	25.65	24.88	24.46	24.54	24.67	25.10

1974

5	25.13	25.34	25.56	25.73	25.99	25.68	25.51	24.63	23.66	23.47	24.41	.....
10	.....	.....	25.60	25.75	25.93	25.95	25.17	24.61	23.39	23.65	24.50	.....
15	.....	.....	25.68	25.75	.....	25.50	25.13	24.64	23.69	23.65	24.57	.....
20	25.24	.....	25.05	25.80	.....	25.58	25.16	24.78	23.68	24.06	24.61	24.81
25	25.27	25.40	25.66	25.84	25.82	25.44	25.00	24.36	23.05	24.17	24.68	24.91
Eom	25.31	25.54	25.69	25.86	25.74	25.26	25.10	24.03	23.27	24.31	.....	25.61

h Tape measurement.

420000105511501. Local number 23N-56W-44N. Earl Congett. Drilled irrigation water-table well in alluvium of Quaternary age, diam 18 in (46 cm), depth 113 ft (35 m), casing perforated below water table. Lsd 4,097.7 ft (1,245.9 m) above msl. WF hole in turbine base, 6.70 ft (2.02 m) above lsd. Highest water level 23.24 ft (7.02 m) below lsd, Oct. 26, 1949; lowest 41.04 ft (12.51 m) below lsd, Oct. 6, 1961. Records available: 1949-74. Oct. 14, 1972, 26.90; Oct. 23, 1973, 37.00; Oct. 17, 1974, 35.17.

Seward County

405406097115001. Local number 11N-2E-11DP. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 5 in (13 cm), depth 123 ft (38 m), perforated 17-123 ft (34-37 m). Lsd 1,550 ft (472 m) above msl. WF top of casing, at lsd. Highest water level 25.46 ft (7.76 m) below lsd, Dec. 11, 1965; lowest 37.72 ft (11.54 m) below lsd, May 31, 1974. Records available: 1962-74.

405406097115001--Continued.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	84.03	.....	.....	83.44	83.27	83.07	85.35	85.95	86.29	85.65	84.96	84.93
10	83.95	.....	.....	83.38	83.31	83.19	85.79	85.82	86.18	85.48	85.03	84.95
15	84.65	.....	83.38	83.41	83.03	83.09	86.35	86.93	86.03	85.72	85.07	84.88
20	.....	.....	83.32	83.45	83.18	83.06	86.20	86.89	86.13	85.33	85.05	84.39
25	.....	83.91	83.52	83.54	83.17	82.84	86.88	86.73	85.80	85.26	84.47	84.61
Eom	.....	83.34	83.51	83.24	83.14	83.70	86.18	86.58	85.77	85.24	84.65	84.76

1973

5	84.60	h84.27	h83.45	83.79	83.43	83.49	84.86	85.90	h86.70	h85.82	85.26	84.62
10	.....	.....	83.66	83.97	83.55	83.25	85.69	86.38	86.47	85.47	85.09	84.52
15	.....	.....	84.03	83.61	83.75	83.04	85.90	86.89	86.26	85.64	84.81	84.63
20	.....	.....	83.90	83.53	83.36	83.42	86.02	86.90	85.95	85.30	84.28	84.45
25	.....	.....	83.68	83.74	83.21	83.02	85.86	.....	85.75	85.15	84.46	83.90
Eom	.....	.....	83.50	83.38	83.50	83.47	85.61	.....	85.67	84.71	84.85	84.37

1974

5	83.97	.....	83.11	83.25	82.56	81.96	85.03	87.56	.....	85.67	85.10	84.24
10	.....	83.60	83.56	82.62	82.30	82.38	85.66	87.36	.....	85.43	84.76	84.27
15	.....	83.53	83.25	82.99	81.79	82.29	85.77	87.60	.....	85.62	84.84	84.21
20	.....	83.16	83.15	82.49	81.69	82.47	87.25	87.10	86.24	85.42	84.85	84.20
25	.....	83.68	82.91	82.68	81.62	83.40	86.95	87.14	85.85	85.35	85.03	84.43
Eom	.....	83.38	82.17	82.80	81.62	84.23	87.73	.....	86.18	84.82	84.70	84.37

h Tape measurement.

Sheridan County

420341102171701. Local number 24N-43W-15AC. U.S. Geol. Survey. Jetted observation water-table well in fine sand of Pleistocene age, diam 3/4 in (1.9 cm), depth 17 ft (5 m), perforated 16-17 ft (4.9-5.2 m). Lsd 3,912 ft (1,192 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 8.15 ft (2.48 m) below lsd, Sept. 4, 1958; lowest 10.85 ft (3.31 m) below lsd, Oct. 20, 1972. Records available: 1958-74. Oct. 20, 1972, 10.85; Oct. 29, 1973, 9.77; Oct. 22, 1974, 10.17.

423034102415001. Local number 29N-46W-10AA. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 100 ft (30 m), casing perforated below water table. Lsd 3,736 ft (1,157 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 32.47 ft (9.90 m) below lsd, Aug. 25, 1969; lowest 38.95 ft (11.87 m) below lsd, May 29, 1954. Records available: 1953-74.

Lowest water level for the day, from recorder graph, 1972,

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	h33.45	33.53	33.68	h33.71	33.88	34.06	34.17	33.94	33.25	33.25	33.10	33.28
10	33.47	33.61	33.66	33.77	33.86	34.06	34.13	33.98	33.19	33.10	33.15	.....
15	33.57	33.54	33.65	33.78	33.86	34.12	34.19	34.07	33.12	33.12	33.14	.....
20	33.54	33.61	33.68	33.82	33.90	34.13	34.22	33.53	33.17	33.05	33.23	33.29
25	33.59	33.62	33.68	33.81	33.95	34.12	34.20	33.46	33.10	33.13	33.19	33.34
Eom	33.52	33.58	33.72	33.83	33.96	34.13	33.97	33.39	33.08	33.17	33.23	33.34

1973

5	33.31	33.51	33.36	33.57	33.65	33.85	34.23	33.68	33.51	33.14	33.08	33.17
10	33.32	33.45	33.42	33.62	33.74	33.82	34.38	33.12	33.42	33.09	33.05	33.17
15	33.35	33.54	33.55	33.62	33.76	33.81	34.35	33.48	33.35	33.13	33.05	33.16
20	33.32	33.60	33.55	33.63	33.66	33.90	34.15	33.66	33.25	33.05	33.04	33.14
25	33.41	33.44	33.55	33.71	33.72	33.94	33.73	33.46	33.17	33.07	33.05	33.03
Eom	33.40	33.35	33.55	33.66	33.85	34.10	33.83	33.43	33.14	32.98	33.18	33.10

1974

5	33.06	33.13	32.89	33.05	33.04	33.26	33.44	33.27	33.26	33.23	33.44	33.36
10	33.07	33.12	33.03	32.93	33.01	33.35	33.55	33.33	33.18	33.17	33.43	33.37
15	33.05	33.10	33.01	33.06	33.02	33.35	33.60	33.40	33.20	33.24	33.39	33.37
20	33.04	33.03	33.02	32.94	33.08	33.33	33.58	33.37	33.23	33.27	33.40	33.37
25	33.07	32.99	32.97	33.02	33.17	33.37	33.49	33.39	33.27	33.40	33.39	33.43
Eom	33.08	32.84	32.91	33.06	33.30	33.42	33.38	33.23	33.24	33.36	33.42	33.46

h Tape measurement.

Thomas County

415845100334001. Local number 23N-28W-9DA. U.S. Geol. Survey. Driven observation water-table well in fine sand and alluvium, diam 1 1/2 in (3.2 cm), depth 15 ft (5 m), screened 13-15 ft (4-5 m). Lsd 2,842 ft (866 m) above msl. MP top of casing, 2.30 ft (0.70 m) above lsd. Highest water level 8.73 ft (2.66 m) below lsd, Oct. 16, 1970; lowest 10.98 ft (3.35 m) below lsd, July 23, 1940. Records available: 1934-40, 1942, 1944-50, 1953-74. Oct. 24, 1972, 9.78; Oct. 9, 1973, 9.66; Oct. 30, 1974, 10.14.

Valley County

412955099123201. Local number 18N-16W-30CC. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 3/4 in (1.9 cm), depth 14 ft (4 m), screened 12-14 ft (3.7-4.3 m). Lsd 2,217.61 ft (675.93 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 1.12 ft (0.34 m) below lsd, July 23, 1952; lowest 5.90 ft (1.80 m) below lsd, Mar. 1, 1973. Records available: 1949-56, 1956-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1972	g4.72	Aug. 21, 1972	g3.56	Mar. 1, 1973	g5.90	Oct. 4, 1973	3.32
May 1	g5.09	Sept. 14	g3.61	May 1	g2.95	17	g2.18
June 12	g5.10	Oct. 16	g4.10	June 13	g2.59	Dec. 6	g3.00
July 3	g5.10	27	4.23	Aug. 2	g2.15	Nov. 4, 1974	3.71
Aug. 2	g3.62	Dec. 1	g3.58	Sept. 25	g2.42		

g Measurement made by U.S. Bureau of Reclamation.

Webster County

400423098314001. Local number 1N-11W-11AB. U.S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diam 8 in (20 cm), depth 17 ft (5 m), casing perforated below water table. Lsd 1,686 ft (514 m) above msl. MP south side of casing, 1.10 ft (0.34 m) above lsd. Highest water level 1.34 ft (0.41 m) below lsd, July 11, 12, 1951; lowest 10.56 ft (3.22 m) below lsd, Apr. 5, 1957. Records available: 1946-74. Apr. 3, 1972, 8.15; Oct. 16, 7.10; May 11, 1972, 5.46; Oct. 15, 4.85; May 22, 1974, 5.7b; Oct. 15, 8.35.

York County

404620097482501. Local number 9N-4W-6DD. Gustav Thieszen. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 18 in (46 cm), depth 171 ft (52 m), perforated 83-171 ft (25-52 m). Lsd 1,718 ft (524 m) above msl. MP top of casing, at lsd. Highest water level 79.44 ft (24.21 m) below lsd, June 20, 1959; lowest 91.87 ft (28.00 m) below lsd, Aug. 20, 1975. Records available: 1959-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	87.55	87.20	87.02	86.54	86.30	86.14	87.12	88.90	90.87	89.89	89.14	88.77
10	87.58	87.18	86.62	86.57	86.35	86.21	87.79	89.28	90.63	89.68	89.14	88.64
15	87.57	87.15	86.78	86.61	86.30	86.12	88.06	89.96	90.47	89.66	88.95	88.57
20	87.33	86.99	86.78	86.56	86.24	86.16	88.55	90.75	90.38	89.36	88.95	88.49
25	87.59	87.12	86.73	86.46	86.23	86.00	89.25	90.83	90.18	89.35	88.80	88.39
Sum	87.23	86.98	86.68	86.40	86.14	86.44	89.01	91.23	89.96	89.34	88.71	88.40

1973

5	88.15	87.80	87.29	86.96	86.53	86.33	87.29	90.36	.....	90.45	89.38	88.61
10	88.07	87.60	87.23	87.00	86.60	86.18	88.21	91.19	91.65	90.32	89.18	88.39
15	88.13	87.63	87.48	86.89	86.50	86.12	89.03	91.58	91.33	90.12	89.18	88.38
20	88.18	87.63	87.22	86.88	86.48	86.23	89.68	91.87	91.07	89.87	88.83	87.93
25	88.26	87.52	87.15	86.75	86.37	86.14	89.37	91.66	90.88	89.77	88.73	87.93
Sum	87.78	87.35	87.06	86.65	86.31	86.58	89.87	92.44	90.63	89.42	88.75	.....

1974

5	87.67	87.19	86.60	86.24	85.63	85.28	86.91	90.60	90.61	90.11	89.38	88.70
10	.....	87.06	86.63	85.92	85.54	85.45	87.67	91.08	90.45	89.79	89.20	88.64
15	87.51	86.93	86.47	85.97	85.59	85.26	88.16	91.46	90.37	89.83	89.10	88.61
20	87.41	86.96	86.42	85.78	85.43	85.18	89.07	91.05	90.37	89.68	89.15	88.52
25	87.23	86.73	86.21	85.75	85.38	85.34	89.65	90.83	90.20	89.63	88.98	88.42
Sum	87.40	86.78	86.15	85.76	85.49	86.18	90.41	90.79	90.20	89.40	88.83	88.25

405305097351503. Local number 11N-2W-31EA3. York County Ground Water Conservation District. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 165 ft (50 m), cased with steel. Lsd 1,659 ft (506 m) above msl. MP top of casing, 1.60 ft (0.49 m) above lsd. Highest water level 88.65 ft (27.02 m) below lsd, Apr. 20, 1970; lowest 120.81 ft (36.82 m) below lsd, July 15, 1974. Records available: 1960-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	94.17	92.5	93.77	92.10	92.70	93.48	107.83	96.63	99.02	95.35	94.02	93.46
10	93.92	92.09	93.29	92.95	92.62	94.03	.....	100.86	96.92	94.92	93.75	93.30
15	93.98	92.62	93.44	93.16	92.76	93.47	.....	108.05	96.49	94.75	93.56	93.28
20	93.07	92.63	93.74	93.01	93.13	92.62	.....	.....	96.38	94.24	93.56	93.30
25	93.04	92.58	93.38	92.87	92.94	92.42	.....	106.87	95.65	94.04	93.47	93.08
Sum	92.70	92.38	93.14	92.45	92.68	97.45	100.01	100.35	95.19	93.77	93.23	93.06

1973

5	95.04	92.67	92.64	92.69	92.78	91.71	.....	112.46	99.83	95.10	93.57	93.41
10	92.85	92.35	92.71	92.52	92.17	93.27	118.31	116.13	97.94	94.57	93.25	93.29
15	92.64	92.61	92.86	92.51	92.92	92.93	119.62	111.86	97.09	94.62	93.93	93.34
20	92.55	92.63	92.52	92.31	93.43	93.16	119.96	108.77	96.58	94.25	93.44	92.87
25	92.74	92.50	92.46	92.43	92.85	96.63	102.56	107.07	96.25	94.06	93.32	92.78
Sum	92.62	92.38	92.50	92.40	91.95	109.74	129.89	104.96	95.41	93.76	93.60	93.02

405305097351503--Continued.

1974												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	92.34	92.02	92.34	92.70	94.01	119.73	113.75	99.92	96.74	95.19	95.04
10	91.93	92.45	92.02	92.40	93.56	92.45	120.37	110.14	98.28	96.82	95.30	94.44
15	.....	92.48	92.17	92.38	92.57	92.41	120.81	110.71	97.22	96.17	95.27	94.39
20	91.96	92.38	92.38	92.42	92.67	98.17	119.80	102.47	98.01	95.80	95.20	94.76
25	91.82	92.10	92.51	92.13	93.12	116.67	119.35	99.86	97.73	96.31	94.95	94.36
Eom	92.53	92.47	92.35	92.45	92.95	115.31	118.78	99.29	97.55	95.55	94.89	93.99

405305097361001. Local number 11N-3W-36AB. Mother Jewels Home. Drilled irrigation water-table well in sand of Pleistocene age, diam 12 in (30 cm), depth 175 ft (53 m), casing perforated below water table. Lsd 1,648 ft (502 m) above msl. MP hole in turbine base, at lsd. Highest water level 65.82 ft (20.06 m) below lsd, Sept. 11, 1952; lowest 80.44 ft (24.52 m) below lsd, Oct. 19, 1971. Records available: 1948-61, 1963-74. Oct. 26, 1972, 78.59; Nov. 7, 1973, 78.32; Oct. 10, 1974, 80.02.

References

- Ellis, M. J., 1973, Groundwater levels in Nebraska, 1972: Nebraska Univ.-Lincoln, Conserv. and Survey Div., Nebraska Water Survey Paper 34.
 ———, 1974, Groundwater levels in Nebraska, 1973: Nebraska Univ.-Lincoln, Conserv. and Survey Div., Nebraska Water Survey Paper 36.

NORTH DAKOTA

The observation-well program in North Dakota was continued in 1972 through 1974 in cooperation with the State Water Commission. 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 counter-clockwise 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.140 N., R.15 W.

Well Descriptions and Water-Level Measurements

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

Benson County

475224098443301. Local number 151-63-29aac2. U.S. Geol. Survey. Drilled unused water-table well in glacial sand and gravel, diam 6 in (15 cm), depth 67 ft (20 m), slotted pipe 57-67 ft (17-20 m). Lsd 1,483 ft (452 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 15.20 ft (4.63 m) below lsd, Dec. 15, 1957; lowest 24.14 ft (7.36 m) below lsd, Aug. 29, 1973. Records available: 1951-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.55	21.68	21.78	21.69	21.59	21.92	22.17	22.47	22.63	22.45	22.38	22.48
10	21.59	21.69	21.78	21.70	21.55	22.07	22.45	22.30	22.50	22.35	22.45	22.53
15	21.61	21.70	21.81	21.65	21.60	22.09	22.38	22.34	22.53	22.47	22.47	22.54
20	21.63	21.75	21.78	21.68	21.85	21.95	22.40	22.56	22.43	22.43	22.46	22.53
25	21.45	21.75	21.72	21.66	21.71	22.10	22.30	22.38	22.39	22.43	22.56	22.57
Eom	21.72	21.75	21.69	21.65	21.71	22.12	22.48	22.64	22.30	22.40	22.50	22.56

1973

5	22.58	22.67	22.70	22.76	22.94	23.32	23.54	23.58	23.99	24.05	23.64	23.79
10	22.60	22.66	22.69	22.73	23.17	23.44	23.59	.....	23.94	24.07	23.70	23.82
15	22.61	22.67	22.66	22.75	.....	23.48	23.82	24.03	23.95	23.97	23.71	23.80
20	22.58	22.69	22.70	22.84	.....	23.29	24.07	24.10	23.96	.....	23.70	23.83
25	22.64	22.70	22.66	22.77	.....	23.37	.....	.....	23.75	.....	23.68	23.79
Eom	22.65	22.68	22.71	22.66	23.35	23.38	.....	24.13	23.98	23.78	23.79	23.76

1974

5	23.80	23.35	23.57	23.76	23.18	22.80	22.69	22.61	22.73	23.03	22.99	.....
10	23.73	23.36	23.53	23.79	23.16	22.76	22.62	22.48	22.51	23.03	22.80	.....
15	.....	23.36	23.57	23.55	23.18	22.66	22.85	22.53	22.77	23.03	23.03	.....
20	.....	23.43	23.72	23.42	23.13	.....	22.52	22.63	22.78	23.02	23.17	.....
25	.....	23.58	23.72	23.36	23.10	.....	22.40	22.72	22.74	23.03	22.94	.....
Eom	.....	23.64	23.74	23.25	22.94	.....	22.32	22.58	23.04	23.07	22.93	.....

Burleigh County

46454010022101. Local number 138-77-22aad. Cooperative program. Formerly North Dakota State Water Commission. Drilled observation artesian well in McHenry aquifer, diam $\frac{1}{2}$ in (11 cm), depth 126 ft (38 m), vertically-slotted steel casing 86-116 ft (26-35 m), gravel packed. Lsd 1,738.96 ft (530.04 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 8.78 ft (2.68 m) below lsd, Apr. 25, 1970; lowest 26.03 ft (7.93 m) below lsd, July 15, 1967. Records available: 1961-74. Water levels affected by pumping.

46454010022101--Continued.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.86	9.59	9.35	9.04	8.89	9.05	16.36	11.62	11.26	11.09	10.37	10.03
10	9.79	9.56	9.35	9.02	8.91	9.10	13.38	11.47	12.87	10.87	10.31	9.96
15	9.80	9.48	9.29	8.88	8.85	12.14	12.68	13.16	11.21	10.80	10.25	9.92
20	9.74	9.45	9.21	8.92	8.88	14.53	12.09	12.15	11.54	10.66	10.94	9.84
25	9.73	9.46	9.18	8.95	8.95	14.40	11.70	11.75	11.45	10.56	10.20	9.80
Eom	9.60	9.37	9.06	8.95	9.02	16.06	11.56	11.43	11.25	10.43	10.11	9.70

1973

5	9.69	9.52	9.41	9.21	9.14	17.16	17.12	23.14	20.00	.....	.....	.....
10	9.69	9.53	9.36	9.21	9.11	16.59	18.49	23.04	18.56	.....	.....	.....
15	9.63	9.48	9.24	9.17	9.74	14.99	20.35	23.73	17.28	.....	.....	.....
20	9.58	9.45	9.25	9.14	14.64	14.22	20.35	23.75	.....	.....	.....	.....
25	9.56	9.44	9.23	9.14	12.55	13.80	22.30	24.03	16.16	.....	.....	.....
Eom	9.53	9.43	9.21	9.13	15.01	17.57	22.45	23.85	.....	.....	.....	.....

1974

5	.....	11.35	10.99	10.71	10.36	9.99	18.81	21.28	16.90	14.50	13.80	12.81
10	.....	11.07	10.97	10.68	10.33	10.00	17.22	19.20	16.90	14.43	13.80	.....
15	.....	11.22	10.89	10.59	10.20	10.03	18.09	17.28	16.90	14.23	13.80	.....
20	11.58	11.14	10.85	10.54	10.06	10.05	20.36	16.85	16.90	13.99	13.80	.....
25	11.54	11.05	10.71	10.39	10.07	12.94	21.34	16.91	14.63	13.81	13.80	.....
Eom	11.43	11.06	10.72	10.40	10.02	.....	22.55	16.90	14.65	13.80	13.80	.....

464558100455101. Local number 138-80-15cdd. Cooperative program. Formerly North Dakota State Water Commission. Drilled observation artesian well in Bismarck aquifer, diam 1½ in (3.2 cm), depth 168 ft (51 m), steel vertically-slotted casing 110-140 ft (34-43 m), gravel packed. Lsd 1,658.4 ft (505.5 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 31.95 ft (9.74 m) below lsd, Feb. 25, 1972; lowest 41.60 ft (12.68 m) below lsd, Nov. 5, 1963. Records available: 1961-74. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	34.67	33.01	.....	.....	.....	.....	33.49	35.87	35.92	36.47	35.73	35.64
10	34.50	32.67	.....	.....	.....	.....	34.50	35.55	35.85	36.17	35.68	35.52
15	.....	32.39	.....	.....	.....	.....	35.16	36.13	35.89	36.14	35.63	35.31
20	.....	32.07	.....	.....	.....	.....	36.17	34.92	35.56	35.97	36.11	35.63
25	.....	31.95	.....	.....	.....	.....	35.03	35.50	35.79	35.98	36.03	35.58
Eom	.....	.....	.....	.....	.....	33.68	35.70	35.94	36.28	35.93	35.60	34.64

1973

5	34.56	.....	33.82	34.26	34.86	36.04	37.78	40.06	40.92	.....	.....	36.96
10	.....	.....	33.91	34.36	35.76	36.01	38.38	39.98	40.92	.....	.....	.....
15	.....	.....	33.99	34.41	36.24	37.25	38.57	40.25	40.92	.....	.....	.....
20	.....	.....	34.06	34.40	35.71	36.26	40.86	40.20	38.14	.....	.....	.....
25	.....	33.98	34.14	34.64	35.86	37.20	38.63	39.64	37.95	37.54	.....	.....
Eom	.....	33.87	34.29	34.75	35.84	37.46	39.34	41.18	.....	.....	.....	.....

1974

5	.....	34.82	34.21	34.33	34.67	34.81	36.20	.....	.....	.....	36.33	36.03
10	.....	34.67	34.21	34.39	34.81	34.81	40.08	.....	.....	.....	36.30	35.96
15	.....	34.56	34.31	34.40	34.81	34.81	40.08	.....	.....	.....	36.20	35.94
20	.....	34.54	34.36	34.41	34.81	34.81	40.08	.....	.....	.....	36.13	35.88
25	34.95	34.41	34.32	34.56	34.61	34.71	38.98	.....	39.10	36.63	36.08	35.88
Eom	.....	34.36	34.21	34.55	34.81	38.60	40.20	.....	.....	36.42	36.09	35.86

Cass County

465309096542701. Local number 139-49-6adb. Union Stockyards. Drilled unused artesian well in glacial drift, diam 8 in (20 cm), depth 230 ft (70 m), screened 220-230 ft (67-70 m). Lsd 81 ft (27.2 m) above msl. MP top of casing (20 cm) casing, 0.40 ft (0.12 m) above lsd. Highest water level 24.90 ft (7.59 m) below lsd, May 7, 1938; lowest 120.94 ft (36.86 m) below lsd, Oct. 25, Dec. 2, 1974. Records available: 1938-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	118.81	119.03	119.27	119.50	119.29	118.95	119.05	119.22	119.20	119.28	119.59	119.81
10	118.75	119.11	119.29	119.54	119.28	118.96	119.07	119.22	119.18	119.33	119.63	.....
15	118.83	119.11	119.36	119.51	119.15	118.92	119.09	119.20	119.19	119.38	119.71	.....
20	118.84	119.13	119.38	119.48	119.08	118.94	119.11	119.19	119.18	119.47	119.75	.....
25	118.87	119.17	119.42	119.42	119.00	118.98	119.15	119.17	119.21	119.53	119.79	.....
Eom	118.06	119.20	119.46	119.39	118.99	118.99	119.17	119.18	119.28	119.55	119.76	.....

1973

5	.....	.....	120.19	120.18	119.81	119.37	119.39	119.58	119.71	119.82	119.44	120.07
10	.....	.....	120.19	120.14	119.69	119.37	119.43	119.60	119.76	119.81	120.00	120.10
15	.....	.....	120.14	120.07	119.67	119.36	119.43	119.62	119.78	119.81	120.02	120.18
20	.....	.....	120.14	119.97	119.62	119.33	119.47	119.66	119.81	119.85	120.05	120.19
25	.....	.....	.....	119.87	119.54	119.35	119.52	119.70	119.81	119.85	120.04	120.20
Eom	.....	.....	.....	119.85	119.44	119.37	119.55	119.69	119.81	119.87	120.02	120.20

465309096542701--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	120.30	120.30	120.40	.....	120.47	120.57	120.82	120.88	120.90	120.90	.....
10	120.28	120.33	120.31	120.42	120.49	120.46	120.59	120.83	120.92	120.90	120.90	.....
15	120.30	120.34	120.36	120.42	120.43	120.49	120.65	120.84	120.89	.....	120.90	.....
20	120.28	120.32	120.38	120.44	120.44	120.50	120.71	120.84	120.89	120.91	120.88	.....
25	120.29	120.37	120.42	120.44	120.45	120.53	.....	120.85	120.91	120.94	120.87	.....
Eom	120.27	120.37	120.43	120.45	120.46	120.55	.....	120.86	120.88	120.92	120.89	.....

Kidder County

465532099365101. Local number 140-71-23ceb. K. Maw. Drilled observation water-table well in glacial drift, diam 8 in (20 cm), depth 240 ft (73 m), cased to 70 ft (21 m), perforated 30-70 ft (9-21 m). Lsd not available. MP top of 5-in (13-cm) casing, 2.20 ft (0.67 m) above lsd. Highest water level 39.54 ft (12.05 m) below lsd, May 3, 1957; lowest 42.38 ft (12.92 m) below lsd, Dec. 4, 1972. Records available: 1955-74. Dec. 4, 1972, 42.38; Dec. 3, 1973, 41.89; Dec. 4, 1974, 41.56.

465518099391601. Local number 140-71-28bba. U.S. Geol. Survey. Drilled observation water-table well in glacial drift, diam 8 in (20 cm), depth 90 ft (27 m), cased to 60 ft (18 m), perforated. Lsd 1,760 ft (536 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 11.75 ft (3.58 m) below lsd, Dec. 3, 1956; lowest 24.99 ft (7.62 m) below lsd, July 20, 1973. Records available: 1955-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.12	13.05	12.93	12.65	12.42	13.03	18.03	17.05	16.70	14.10	13.44	13.29
10	13.05	12.97	12.70	12.43	16.36	16.60	17.83	19.13	13.87	13.41	13.28
15	12.98	12.90	12.47	12.36	14.38	18.39	17.27	15.98	13.83	13.40	13.28
20	13.00	12.76	12.50	12.43	13.53	16.80	18.75	15.64	13.70	13.37	13.20
25	12.98	12.77	12.49	12.41	12.97	18.69	18.18	15.46	13.61	13.28	13.22
Eom	12.90	12.67	12.44	12.40	14.80	15.37	18.99	14.87	13.54	13.30	13.13

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.17	13.05	.....	12.86	13.70	16.25	14.95	22.42	17.23	14.78	14.07	13.94
10	13.15	13.05	.....	12.87	13.74	16.09	22.44	19.44	16.86	14.50	14.08	13.90
15	13.13	13.14	12.86	12.83	14.83	14.72	24.53	20.74	16.32	14.31	14.02	13.87
20	13.14	13.05	12.87	12.73	14.87	13.90	24.99	21.66	15.66	14.14	13.98	13.82
25	13.10	13.06	12.85	12.87	14.04	13.55	20.82	19.21	15.18	14.06	13.93	13.76
Eom	13.00	13.00	12.85	12.84	16.04	15.00	20.18	18.53	15.33	13.98	14.00	13.78

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.77	13.57	13.44	13.43	13.14	12.93	17.99	23.05	17.17	15.18	15.00	14.58
10	13.74	13.56	13.60	13.30	13.06	12.98	18.30	16.53	15.05	14.94	14.94	14.55
15	13.64	13.56	13.50	13.34	13.03	13.01	17.60	18.15	15.99	14.90	14.86	14.51
20	13.66	13.50	13.54	13.13	12.94	12.99	23.80	17.65	15.57	14.92	14.77	14.47
25	13.59	13.59	13.48	13.19	12.99	13.11	18.84	16.55	15.44	16.17	14.68	14.46
Eom	13.57	13.49	13.39	13.15	12.93	13.20	19.20	17.26	15.47	16.18	14.68	14.44

La Moure County

462130048432001 (revised). Local number 133-64-3bc1. City of Edgeley. Drilled unused water-table well in Pierre Shale of Late Cretaceous age, diam 6 in (15 cm), depth 92 ft (28 m), gravel-packed 8 ft (2 m) screen. Lsd not available. MP basement-floor level, edge of 6-in (15-cm) flange, 9.00 ft (2.74 m) below lsd. Highest water level 19.86 ft (6.05 m) below lsd, Apr. 3, 1972; lowest 28.05 ft (8.55 m) below lsd, Aug. 29, 1946. Records available: 1940-70, 1972-73. Measurement re-established April 1972. No measurement made in 1974. Apr. 3, 1972, 19.86; Jan. 5, 1973, 20.31.

462452098401201. Local number 134-64-24dc1. Mrs. Fidelia Davis. Drilled unused artesian well in Dakota Sandstone of Early Cretaceous age, diam 1 1/2 in (3.8 cm), depth 1,265 ft (386 m), screened 1,255-1,265 ft (383-386 m). Lsd not available. MP top of casing, 1.08 ft (0.33 m) above lsd. Highest water level 1.39 ft (0.42 m) above lsd, Oct. 27, 1953; lowest 3.26 ft (0.99 m) below lsd, Feb. 18, 1938. Records available: 1937-39, 1950, 1955-59, 1961-67, 1969-71, 1973. No measurement made in 1972, 1974. Jan. 5, 1973, +1.09 (frozen).

McHenry County

482108100480501. Local number 156-79-10aad. U.S. Geol. Survey. Drilled unused water-table well in glacial drift, diam 4 in (10 cm), depth 121 ft (37 m), cased to 102 ft (31 m), open-bottom screen. Lsd 1,480 ft (451 m) above msl. MP top of 4-in (10-cm) casing, 2.70 ft (0.82 m) above lsd. Highest water level 1.35 ft (0.41 m) above lsd, May 3, 1949; lowest 7.80 ft (2.38 m) below lsd, July 16, 1947. Records available: 1947, 1949, 1952-74. Dec. 6, 1972, 1.47; Dec. 5, 1973, 1.75; Dec. 3, 1974, 2.09.

Morton County

463707100543501. Local number 136-81-6dcl. Joe Lanz, Jr. Drilled domestic water-table well in Hell Creek Formation of Late Cretaceous age, diam 24 in (61 cm), depth 67 ft (20 m), cased to 50 ft (18 m), open-end screen. Lsd not available. MP top south side of 24-in (61-cm) wood curb, 0.50 ft (0.15 m) above lsd. Highest water level 20.14 ft (6.14 m) below lsd, July 10, 1950; lowest 25.23 ft (7.69 m) below lsd, Apr. 15, 1941. Records available: 1941-57, 1961-72, 1974. No measurement made in 1973. Dec. 7, 1972, 21.16; Dec. 6, 1974, 21.85.

465055101241801. Local number 139-85-15ccl. Fred Lehde. Drilled stock water-table well in Hell Creek Formation of Late Cretaceous age, diam 24 to 16 in (61 to 41 cm), depth 72 ft (22 m), lined with wood. Lsd 2,195 ft (669 m) above msl. MP north point of wood curbing, 0.99 ft (0.27 m) above lsd. Highest water level 27.19 ft (8.29 m) below lsd, May 16, 1970; lowest 71.54 ft (21.81 m) below lsd, Aug. 21, 1955. Records available: 1941-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1972	56.65	Sept. 24, 1972	67.70	June 17, 1973	66.39	Apr. 21, 1974	65.84
10	56.23	30	67.79	25	67.64	28	70.39
15	56.18	Oct. 7	67.74	30	68.19	4	68.81
21	56.02	15	67.67	July 7	63.45	15	67.19
28	55.76	21	62.59	15	68.03	18	66.24
Feb. 6	55.64	28	64.78	21	67.03	27	70.32
12	55.69	Nov. 11	60.32	28	64.31	June 2	69.18
20	55.53	16	58.74	Aug. 4	63.85	10	70.42
27	55.48	20	58.06	12	65.40	15	71.38
Mar. 5	55.53	26	57.18	19	64.92	23	69.37
11	55.69	Dec. 2	56.08	25	67.88	30	69.10
27	55.86	9	55.29	Sept. 2	68.25	July 5	70.57
Apr. 3	55.93	16	54.73	9	68.09	15	67.26
11	55.91	24	54.26	16	66.15	21	65.80
16	55.90	Jan. 1, 1973	54.07	23	68.33	27	67.39
23	66.81	6	53.86	29	68.26	Aug. 4	67.04
28	69.52	14	53.63	Oct. 7	68.34	10	66.98
May 3	66.43	20	53.29	14	68.38	17	67.88
9	67.52	27	53.25	21	68.39	24	68.41
17	68.02	Feb. 4	52.90	28	66.40	31	67.54
25	65.27	11	52.88	Nov. 3	64.77	Sept. 7	67.32
30	62.13	18	52.79	11	62.93	14	67.21
June 5	62.02	25	52.58	17	61.24	22	65.12
10	61.65	Mar. 3	52.48	26	59.17	28	68.94
19	59.45	10	52.39	Jan. 5, 1974	57.39	30	69.03
24	60.13	17	61.20	12	57.16	Oct. 7	69.14
30	60.78	24	68.09	19	56.80	12	69.21
July 8	62.93	31	69.31	26	56.68	20	69.25
16	63.34	Apr. 7	68.69	Feb. 2	56.61	27	69.32
23	63.31	14	68.05	9	56.54	Nov. 3	64.19
29	61.90	22	66.97	16	56.52	11	63.43
Aug. 6	63.71	28	65.36	26	56.49	17	63.04
13	68.01	May 6	69.54	Mar. 2	56.47	23	62.58
19	68.36	12	67.46	9	56.44	Dec. 6	61.81
26	68.43	20	65.69	16	56.42	14	61.62
Sept. 2	66.99	28	65.50	23	56.39	22	61.29
9	65.90	June 2	66.17	Apr. 6	56.37	30	61.01
16	66.76	9	66.23	14	64.27		

Richland County

461702097123401. Local number 133-52-34cdd. U.S. Geol. Survey. Drilled observation water-table well in deposits of glacial Lake Agassiz, diam 14 in (3.2 cm), depth 39 ft (12 m), well point 36-39 ft (11-12 m). Lsd not available. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 0.51 ft (0.16 m) below lsd, May 13, 1972; lowest 10.09 ft (3.08 m) below lsd, Jan. 10, Mar. 24, 1959. Records available: 1937-74. Well destroyed March 1974.

Jan. 8, 1972	4.11	Apr. 1, 1972	1.46	June 24, 1972	3.18	Sept. 16, 1972	5.21
15	4.25	8	1.27	July 1	3.58	Dec. 22	3.46
22	4.40	15	1.10	8	4.00	Jan. 17, 1973	3.56
29	4.68	22	1.23	12	3.05	Feb. 21	3.98
Feb. 5	5.00	29	1.80	22	2.60	Mar. 22	2.47
12	5.13	May 6	1.33	29	2.19	May 20	1.70
19	5.30	13	1.51	Aug. 4	3.20	June 22	1.75
26	5.30	19	1.20	12	3.75	Aug. 21	5.40
Mar. 3	5.33	27	1.72	19	4.30	Sept. 22	5.55
11	5.28	June 3	1.30	26	3.62	Jan. 22, 1974	4.95
18	1.90	10	2.24	Sept. 2	4.66	Feb. 22	5.09
25	1.39	17	2.90	9	4.98		

References

- Croft, M. G., 1974, Ground-water basic data for Adams and Bowman Counties, North Dakota: North Dakota Geol. Survey Bull. 65, pt. II, and North Dakota State Water Comm. County Ground-Water Studies 22, pt. II, 294 p.
- Downey, J. S., Hutchinson, R. D., and Sunderland, G. L., 1973, Ground-water basic data for Griggs and Steele Counties, North Dakota: North Dakota Geol. Survey Bull. 64, pt. II, and North Dakota State Water Comm. County Ground-Water Studies 21, pt. II, 468 p.
- Hutchinson, R. D., 1973, Ground-water basic data of Cavalier and Pembina Counties: North Dakota Geol. Survey Bull. 62, pt. II, and North Dakota State Water Comm. County Ground-Water Studies 20, pt. II, 606 p.

SOUTH DAKOTA

The observation-well program in South Dakota was continued in 1972 through 1974 in cooperation with the South Dakota Department of Natural Resource Development (formerly 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 separated by a N (S) and W (E). The first segment indicates the township North (South), the second the range West (East), 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, 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 121N65W1aaaa1 designates well 1 in the NE¼NE¼NE¼NE¼ sec. 1, T.121 N., R.65 W.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum. Measurements to tenths of a foot were made by another agency.

Beadle County

442112098174001. Local number 110N62W9becc. City of Huron. Drilled unused artesian well in glacial outwash, diam 12 in (30 cm), depth 74 ft (23 m), perforated 38-74 ft (12-23 m). Lsd 1,306.93 ft (398.35 m) above msl. MP top of platform, 2.00 ft (0.61 m) above lsd. Highest water level 10.81 ft (3.29 m) below lsd, Feb. 4, 1954; lowest 41.17 ft (12.55 m) below lsd, Apr. 1, 1960. Records available: 1954-74.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.10	17.64	17.35	16.98	16.30	15.57	e15.15	16.65	h18.65	15.90	14.74	14.37
10	17.94	17.60	17.33	16.88	16.30	.....	15.08	17.52	17.80	15.60	14.70	14.37
15	18.00	17.45	17.27	16.70	15.93	.....	14.99	18.16	17.21	15.46	14.59	14.32
20	17.82	17.43	17.25	16.70	16.00	.....	14.95	18.85	16.85	15.32	14.58	14.23
25	17.75	17.40	17.17	16.63	15.76	.....	14.75	19.00	16.52	15.15	14.47	14.16
Eom	17.75	17.33	17.07	16.50	15.60	.....	15.37	18.40	16.30	15.00	14.41	14.00

1973

5	h14.02	14.40	14.36	14.10	13.67	h13.53	14.89	16.70	15.70	.....	14.42	14.10
10	14.00	14.39	14.43	14.14	13.55	13.45	15.28	16.49	15.51	14.64	14.40	14.13
15	13.93	14.40	14.33	14.00	13.55	13.43	15.75	16.45	15.38	14.60	14.29	14.13
20	14.00	14.35	14.38	13.95	13.60	14.22	16.22	16.80	15.24	14.55	14.19	14.10
25	14.11	14.37	14.25	13.91	13.92	14.10	16.26	16.70	15.00	14.40	14.12	14.00
Eom	14.27	14.35	14.15	13.80	13.65	14.75	16.45	16.10	14.92	14.35	14.16	14.05

1974

5	14.05	14.20	h14.20	14.07	e14.25	14.12	14.49	21.70	20.68	18.33	h17.08	16.47
10	14.06	14.18	14.35	14.07	14.23	h14.04	15.77	22.35	20.08	18.00	17.00	16.36
15	14.03	14.20	14.27	14.10	14.14	14.13	17.47	22.50	19.65	17.82	16.87	16.25
20	14.10	14.14	14.25	14.07	14.14	14.15	18.57	22.50	19.31	17.65	16.74	16.15
25	14.13	14.25	14.24	14.14	14.15	14.28	19.55	22.65	18.91	17.50	16.70	16.08
Eom	14.20	14.25	14.15	14.20	14.13	14.37	e20.9	21.50	18.68	17.21	16.65	16.00

e Estimated.

h Tape measurement.

443000098005001. Local number 112N60W22aaaa. South Dakota Dept. of Natural Resource Development, B-13. Formerly Water Resources Commission, B-13. North of Yale. Drilled observation artesian well in glacial drift, diam 1½ in (3.2 cm), depth 99 ft (30 m), cased to 99 ft (30 m), open end. Lsd 1,332 ft (406 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 21.40 ft (6.62 m) below lsd, July 1963; lowest 26.59 ft (8.10 m) below lsd, Dec. 4, 1974. Records available: 1960, 1962-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6, 1972	26.42	Oct. 2, 1972	23.80	June 1, 1973	24.22	Mar. 4, 1974	25.59
Apr. 3	25.97	Nov. 7	23.87	July 2	24.45	Apr. 2	25.63
May 2	25.75	Jan. 5, 1973	24.06	Aug. 1	24.69	May 6	25.82
June 9	24.19	Feb. 2	24.19	Oct. 9	25.07	June 7	25.92
July 10	23.82	Mar. 6	24.19	Nov. 8	25.28	July 5	26.08
Aug. 3	23.55	Apr. 3	24.08	Dec. 18	25.42	Sept. 3	26.39
Sept. 7	23.59	30	24.13	Feb. 6, 1974	25.62	Dec. 4	26.59

442758098225701. Local number 113N63W22bbbb. U.S. Bureau of Reclamation. Hitchcock. Drilled observation water-table well in the Tulare aquifer (previously reported glacial drift), diam 4 in (10 cm), depth 71 ft (22 m), perforated 19-71 ft (6-22 m). Lsd 1,307.81 ft (398.62 m) above msl. MP top of well cover, 2.20 ft (0.67 m) above lsd (since August 1973). Highest water level 25.09 ft (7.65 m) below lsd, Oct. 11, 1973; lowest 28.06 ft (8.55 m) below lsd, Mar. 29, 1960. Records available: 1953-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6, 1972	26.44	Nov. 6, 1972	25.64	July 5, 1973	25.17	Apr. 3, 1974	25.34
Apr. 3	26.57	Dec. 6	25.62	Aug. 1	25.18	May 7	25.36
May 3	26.47	Jan. 10, 1973	25.49	Sept. 7	25.16	June 10	25.46
June 7	26.07	Feb. 8	25.53	Oct. 11	25.09	July 2	25.45
July 6	25.91	Mar. 7	25.46	Nov. 6	25.19	Aug. 1	25.53
Aug. 2	25.83	Apr. 6	25.36	Jan. 7, 1974	25.24	Sept. 4	25.57
Sept. 5	25.70	May 3	25.29	Feb. 25	25.33	Dec. 4	25.64
Oct. 3	25.70	June 6	25.25				

Bon Homme County

425643097571001. Local number 94N60W21cccc. U.S. Geol. Survey. Tyndall. Drilled observation water-table well in glacial outwash, diam 3 in (7.6 cm), depth 64 ft (20 m), sandpoint 59-64 ft (18-20 m). Lsd 1,334.52 ft (406.76 m) above msl. MP top of recorder platform, 2.50 ft (0.76 m) above lsd. Highest water level 18.66 ft (5.69 m) below lsd, June 10, 1972; lowest 27.30 ft (8.32 m) below lsd, June 27, 1968. Records available: 1966-68, 1970-74.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.13	.....	.....	25.16	24.86	25.32	21.11	22.04	22.60	23.12	23.54	23.98
10	25.13	.....	25.18	25.21	24.34	18.66	21.29	22.08	22.70	23.18	23.61	24.06
15	25.21	25.40	24.68	25.23	23.65	19.26	21.97	22.20	h22.80	23.27	23.67	.....
20	h25.30	25.47	24.88	h25.20	22.46	h20.19	21.65	23.30	22.86	23.55	23.79	.....
25	.....	25.30	25.03	25.36	22.15	20.45	.....	22.37	22.91	23.40	23.79	.....
Eom	.....	25.25	h25.12	25.36	22.11	20.79	21.93	22.53	23.04	23.48	23.88	.....

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.67	21.59	21.59	21.33	22.05	.....	22.66	21.51	21.26
10	h24.30	.....	.....	.....	21.67	21.64	21.54	22.16	.....	22.95	21.58	21.31
15	h22.78	.....	.....	21.81	21.79	21.64	h22.34	22.85	23.14	21.50	21.30
20	e20.57	21.20	21.85	20.73	21.76	.....	22.90	21.42	21.32	21.23
25	21.30	21.94	20.82	21.89	.....	22.94	21.37	21.28	.....
Eom	20.70	21.47	21.65	21.13	21.94	.....	22.99	21.34	21.32	21.11

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.28	22.20	22.34	20.54	.....	21.53	21.52	22.34	22.83	23.11	23.56	23.79
10	21.60	22.31	22.31	20.23	.....	21.70	21.61	22.40	22.86	23.20	23.60	23.83
15	21.82	22.31	21.48	20.19	.....	21.82	21.86	22.47	.....	23.29	23.64	23.89
20	21.92	22.28	21.22	20.23	.....	h21.90	21.95	22.53	22.97	23.62	23.67	23.92
25	22.04	22.42	20.93	.....	21.34	21.35	22.10	22.65	23.00	23.49	23.75	24.00
Eom	22.16	22.40	20.46	.....	21.45	21.32	22.24	22.75	23.09	23.46	23.80	24.05

e Estimated.

h Tape measurement.

Brown County

451947098355201. Local number 121N65W1aaaa1. U.S. Bureau of Reclamation. West Warner #1. Drilled observation artesian well in the Middle James aquifer (previously reported in glacial drift), diam 1 in (2.5 cm), depth 144 ft (44 m), perforated 60-144 ft (18-44 m). Lsd 1,336.73 ft (407.44 m) above msl. MP top of casing, 2.20 ft (0.67 m) above lsd. Highest water level 25.96 ft (7.91 m) below lsd, Sept. 13, 1967; lowest 31.40 ft (9.57 m) below lsd, Jan. 17, 1969. Records available: 1962-68, 1977-74.

451947098355201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1972	29.80	Oct. 3, 1972	29.70	June 5, 1973	29.33	Feb. 26, 1974	29.55
Mar. 8	29.49	Nov. 2	29.63	July 10	29.54	Apr. 4	29.56
Apr. 4	29.76	Dec. 6	29.61	Aug. 6	29.64	May 8	29.51
May 3	29.43	Jan. 10, 1973	29.58	Sept. 11	29.73	June 12	29.44
June 7	29.40	Feb. 8	29.58	Oct. 11	29.65	July 3	29.47
July 6	29.55	Mar. 8	29.52	Nov. 7	29.71	Oct. 2	30.13
Aug. 2	29.41	Apr. 5	29.35	Jan. 8, 1974	29.57	Dec. 4	30.23
Sept. 5	29.58	May 2	29.30				

451946098292201. Local number 122N64W36ccdd. U.S. Bureau of Reclamation. Warner. Drilled observation water-table well in lake sediments of Pleistocene age, diam 4 in (10 cm), depth 48 ft (15 m), perforated 6-48 ft (2-15 m). Lsd 1,298.70 ft (395.84 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 13.8 ft (4.2 m) below lsd, July 3, 1953; lowest 24.44 ft (7.45 m) below lsd, Apr. 1, 1968. Records available: 1953-74.

Jan. 10, 1972	20.73	Oct. 3, 1972	19.50	June 5, 1973	17.91	Feb. 26, 1974	21.18
Mar. 8	20.48	Nov. 6	19.45	July 10	19.11	Apr. 4	21.32
Apr. 4	19.37	Dec. 6	19.50	Aug. 6	19.67	May 8	21.34
May 3	18.64	Jan. 10, 1973	19.47	Sept. 11	20.24	June 12	21.16
June 7	16.48	Feb. 8	19.58	Oct. 11	20.55	July 3	21.09
July 6	16.36	Mar. 8	19.64	Nov. 7	20.77	Oct. 2	21.91
Aug. 2	18.45	Apr. 5	18.24	Jan. 8, 1974	21.00	Dec. 4	22.20
Sept. 5	19.17	May 2	17.00				

Campbell County

454327100013601. Local number 126N76W15ccccc. U.S. Geol. Survey, R-83. East of Mound City. Drilled observation artesian well in the Grand aquifer (previously reported in preglacial outwash), diam 1½ in (3.2 cm), depth 237 ft (72 m), cased to 237 ft (72 m), screened 234-237 ft (71-72 m). Lsd 1,688 ft (515 m) above msl. MP top of casing, 4.60 ft (1.40 m) above lsd. Highest water level 15.27 ft (4.65 m) below lsd, Jan. 17, 1973; lowest 21.67 ft (6.61 m) below lsd, May 23, 1967. Records available: 1967-74.

Feb. 1, 1972	16.17	Dec. 20, 1972	15.59	Oct. 3, 1973	17.83	June 3, 1974	15.75
Mar. 14	16.19	Jan. 17, 1973	15.27	Nov. 19	17.37	July 8	16.66
Apr. 20	16.06	Feb. 22	15.39	Dec. 17	17.30	Aug. 5	17.75
June 28	16.02	Apr. 12	15.37	Jan. 8, 1974	16.87	Sept. 3	18.71
July 25	16.08	May 2	15.39	Feb. 4	16.58	Oct. 3	18.27
Aug. 15	16.20	June 3	15.61	Mar. 4	16.44	Nov. 23	19.03
Sept. 20	16.10	July 3	16.09	Apr. 4	16.15	Nov. 25	18.91
Oct. 25	15.89	Aug. 30	17.37	May 7	15.92	Dec. 17	18.65
Nov. 22	15.70						

Clay County

430223096590001. Local number 95N52W21aaaa. South Dakota Dept. of Natural Resource Development, Cu-66A. Formerly Water Resources Commission, Cu66A. South of Centerville. Drilled observation water-table well in lower Vermillion-Missouri aquifer (previously reported in glacial outwash), diam 2 in (5.1 cm), depth 84 ft (26 m), cased to 84 ft (26 m), open end. Lsd 1,231 ft (375 m) above msl. MP top of casing, 2.20 ft (0.67 m) above lsd (since July 1966). Highest water level (revised), 52.4 ft (16.0 m) below lsd, Apr. 25, 1969; lowest (revised), 59.52 ft (18.14 m) below lsd, Nov. 14, 1974. Records available: 1966-74. The measurements published in WSP 2090, for 1966-71, were in error. The correct measurements for all years of record are included in the table below.

July 26, 1966	58.5	Mar. 9, 1971	58.14	May 16, 1972	56.70	Sept. 14, 1973	58.48
Nov. 20	58.0	Apr. 12	57.74	June 20	56.07	Oct. 15	58.23
Mar. 23, 1967	58.9	May 12	57.95	July 26	56.50	Nov. 16	58.25
July 12	57.2	June 15	57.08	Aug. 24	57.30	Dec. 17	57.90
Nov. 28	59.3	July 8	57.60	Sept. 15	57.83	Jan. 17, 1974	58.30
Mar. 14, 1968	58.9	Aug. 30	57.98	Oct. 16	57.96	Feb. 19	58.32
July 24	59.0	Aug. 25	58.57	Nov. 16	58.07	Mar. 18	58.18
Nov. 14	58.9	Sept. 16	58.07	Dec. 14	58.30	Apr. 17	58.18
Apr. 25, 1969	52.4	Oct. 8	58.04	Jan. 10, 1973	58.33	May 21	58.29
July 11	55.4	Nov. 12	58.88	Feb. 15	58.36	June 20	57.94
Nov. 20	57.9	Dec. 9	58.55	Mar. 19	55.88	July 18	58.59
Apr. 9, 1970	57.41	Jan. 29	59.05	Apr. 26	55.71	Aug. 12	59.10
May 12	57.37	Jan. 20, 1972	58.85	May 17	56.06	Sept. 16	59.39
July 3	58.0	Feb. 14	58.82	June 18	56.48	Oct. 16	59.39
Nov. 18	59.0	Mar. 7	59.05	July 16	56.82	Nov. 14	59.52
Jan. 19, 1971	59.15	31	58.24	Aug. 15	57.82	Dec. 11	59.33
Feb. 16	59.00	Apr. 20	58.44				

Hand County

444828098433901. Local number 115N66W2aaaa. U.S. Bureau of Reclamation. Cottonwood deep. Drilled observation artesian well in glacial outwash, diam 4 in (10 cm), depth 62 ft (19 m), perforated 40-60 ft (12-18 m). Lsd 1,359.65 ft (414.42 m) above msl. MP top of cover, 3.30 ft (1.01 m) above lsd. Highest water level 19.84 ft (6.09 m) below lsd, Aug. 29, 1953; lowest 27.26 ft (8.31 m) below lsd, Apr. 29, 1968, Mar. 24, 25, 1969. Records available (revised): 1953-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1972	27.13	Nov. 6, 1972	25.98	July 5, 1973	25.27	May 7, 1974	26.26
Mar. 6	27.00	Dec. 6	26.03	Aug. 2	25.36	June 10	26.43
Apr. 3	27.21	Jan. 10, 1973	25.93	Sept. 11	25.61	July 2	26.40
May 3	27.05	Feb. 8	26.07	Oct. 11	25.46	Aug. 1	26.50
June 7	26.63	Mar. 7	26.01	Nov. 6	25.73	Sept. 4	26.58
July 6	26.41	Apr. 5	25.73	Jan. 7, 1974	25.97	Oct. 1	26.75
Sept. 31	26.30	May 2	25.61	Feb. 25	26.14	Nov. 5	26.76
Oct. 3	26.03	June 5	25.45	Apr. 2	26.22	Dec. 3	26.81

Minnehaha County

434540096461501. Local number 104N49W31cccc. South Dakota Dept. of Natural Resource Development, S-24. Formerly Water Resources Commission, S-24. Near Baltic. Drilled observation water-table well in the Big Sioux aquifer (previously reported in glacial outwash), diam 1 1/2 in (3.2 cm), depth 26 ft (8 m), cased. Lsd 1,465.09 ft (446.56 m) above msl. MP top of casing, 1.79 ft (0.52 m) above lsd. Highest water level 4.63 ft (1.41 m) below lsd, May 23, 1969; lowest 14.84 ft (4.52 m) below lsd, Oct. 22, 1974. Records available: 1957-74.

Jan. 19, 1972	13.49	Nov. 17, 1972	10.97	Sept. 7, 1973	12.16	May 24, 1974	10.72
Feb. 18	13.59	Dec. 14	11.28	Oct. 10	12.80	June 25	10.47
Apr. 17	10.84	Mar. 20, 1973	8.20	Nov. 7	12.53	July 29	11.75
May 18	7.34	Apr. 13	7.60	Dec. 7	12.80	Aug. 29	12.73
June 20	6.28	May 8	7.34	Jan. 16, 1974	13.10	Sept. 23	13.35
July 14	7.50	June 14	8.61	Feb. 26	12.49	Oct. 22	14.84
Aug. 14	8.57	July 9	9.67	Mar. 26	11.90	Nov. 22	14.09
Sept. 13	10.03	Aug. 9	10.91	Apr. 26	10.91	Dec. 10	14.18
Oct. 12	10.90						

Sanborn County

440040097555001. Local number 106N59W5dadd. South Dakota Dept. of Natural Resource Development, SM-66J. Formerly Water Resources Commission, SM66J. Near Artesian. Drilled observation artesian well in the Floyd aquifer (previously reported in glacial outwash), diam 2 in (5.1 cm), depth 147 ft (45 m), cased to 147 ft (45 m), open end. Lsd 1,313.62 ft (400.39 m) above msl. MP top of casing, 2.20 ft (0.67 m) above lsd. Highest water level 7.50 ft (2.29 m) below lsd, June 27, 1968; lowest 11.84 ft (3.61 m) below lsd, Aug. 2, 1971. Records available: 1966-74.

Mar. 6, 1972	10.58	Nov. 8, 1972	10.42	July 2, 1973	10.44	Apr. 2, 1974	10.26
Apr. 3	10.71	Dec. 4	10.45	Aug. 1	10.64	May 6	10.55
May 2	10.37	Jan. 5, 1973	10.37	Sept. 5	10.98	June 7	10.48
June 9	10.15	Feb. 2	10.26	Oct. 9	10.60	July 5	10.64
July 10	10.27	Mar. 6	10.06	Nov. 8	8.11	Sept. 3	11.10
Aug. 3	10.71	Apr. 3	10.07	Dec. 18	10.45	Oct. 22	11.12
Sept. 7	10.69	30	10.07	Feb. 6, 1974	10.66	Dec. 11	10.91
Oct. 2	10.65	June 1	10.19	Mar. 4	10.63		

440600098151001. Local number 107N62W10aaaa. South Dakota Dept. of Natural Resource Development, S-67D. Formerly Water Resources Commission, S67D. North of Woonsocket. Drilled observation water-table (previously reported artesian) well in the Warren aquifer (previously reported in glacial drift), diam 2 in (5.1 cm), depth 13 ft (4 m), cased to 13 ft (4 m), open end. Lsd 1,298.98 ft (395.93 m) above msl. MP top of casing, 1.80 ft (0.55 m) above lsd. Highest water level 2.22 ft (0.68 m) below lsd, Apr. 3, 1973; lowest 7.28 ft (2.22 m) below lsd, Nov. 5, 1971. Records available: 1967-74.

Mar. 6, 1972	7.23	Nov. 8, 1972	4.78	July 2, 1973	5.28	Mar. 4, 1974	5.10
Apr. 3	6.71	Dec. 4	5.26	Aug. 1	5.94	Apr. 2	5.64
May 2	5.37	Jan. 5, 1973	5.55	Sept. 5	6.39	May 6	5.87
June 9	2.91	Feb. 2	5.60	Oct. 9	6.38	June 7	5.52
July 10	4.50	Mar. 6	4.27	Nov. 8	6.47	July 5	5.64
Aug. 3	4.20	Apr. 3	2.22	Dec. 18	6.60	Sept. 3	6.70
Sept. 7	5.44	30	3.51	Feb. 6, 1974	6.64	Dec. 11	7.01
Oct. 2	5.70	June 1	4.28				

Spink County

444219098300801. Local number 114N64W11bbbb. U.S. Bureau of Reclamation. South of Tulare. Drilled observation artesian well in glacial outwash, diam 4 in (10 cm), depth 60 ft (18 m), perforated 20-60 ft (6-18 m). Lsd 1,310.80 ft (399.53 m) above msl. MP top of recorder platform, 3.22 ft (0.98 m) above lsd. Highest water level 3.85 ft (1.17 m) below lsd, July 20, 1962; lowest 18.20 ft (5.55 m) below lsd, Aug. 15, 1971. Records available: 1953-74.

444219098390801--Continued.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e10.0	....	e9.4	8.77	8.06	5.85	5.56	6.20	q6.4	7.89	7.30	7.13
10	9.56	8.70	7.40	5.76	5.72	6.62	q3.8	7.71	7.29	7.14
15	9.41	8.55	7.32	5.66	5.90	e8.7	8.89	7.70	7.25	7.14
20	8.19	8.51	6.89	5.59	6.22	e9.8	q3.6	7.55	7.24	7.03
25	9.03	8.42	6.49	5.53	5.92	....	e8.2	7.55	7.13	7.07
Eom	8.89	e8.3	6.02	5.50	5.72	....	e8.0	7.48	7.12	6.93

1973

5	7.02	7.02	....	n5.83	5.58	h5.51	h6.72	14.10	....	9.42	....	8.72
10	h7.07	....	6.60	5.83	5.56	5.50	....	e14.6	10.28	9.29	8.90	....
15	7.04	....	6.30	5.71	5.62	6.03	....	e14.6	10.04	9.20	8.82	....
20	7.02	....	6.22	5.59	5.58	....	....	....	9.81	9.16	8.78	....
25	7.00	....	6.03	5.62	5.86	5.93	....	14.44	9.58	9.03	8.74	....
Eom	6.98	....	5.92	5.59	5.64	6.40	....	12.70	9.50	....	8.79	....

1974

5	....	8.60	8.54	8.49	8.31	7.66	7.92	e16.38	13.40	11.18	h10.5R	10.27
10	8.62	....	8.64	8.45	8.17	h7.57	e10.36	e16.73	13.30	11.00	10.52	10.24
15	8.58	....	8.55	8.39	8.11	7.54	e11.40	d16.29	12.88	....	10.45	10.24
20	8.58	....	8.56	8.36	8.07	7.47	e14.50	e16.58	....	....	10.42	10.22
25	8.58	h8.63	8.52	8.37	7.95	7.62	e15.22	e17.26	....	....	10.37	10.22
Eom	8.64	8.60	....	8.33	7.77	7.55	e16.06	d16.70	....	....	10.36	10.19

c Nearby well being pumped.

d Nearby well pumped recently.

e Estimated.

h Tape measurement.

444828098242501. Local number 115N63W4aaaa. U.S. Bureau of Reclamation. Redfield Southeast. Drilled observation water-table well in lake sediments of Pleistocene age; diam 1 1/2 in (3.2 cm), depth 26 ft (8 m), previously reported 24 ft (7 m); cased to 24 ft (7 m), open end. Lsd 1,293.80 ft (394.35 m) above msal. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 10.80 ft (3.29 m) below lsd, July 26, Aug. 26, 1948; lowest 17.60 ft (5.36 m) below lsd, Sept. 22, 1950. Records available: 1948-73. Measurement discontinued. Jan. 10, 1972, 15.44; June 7, 13.57; Oct. 10, 12.72; June 5, 1973, 12.29.

444458098385501. Local number 115N65W2aaaa. U.S. Bureau of Reclamation, Pt. 9. Drilled unused water-table well in glacial outwash, diam 8 in (20 cm), depth 105 ft (32 m), perforated 58-105 ft (18-32 m). Lsd 1,340.43 ft (408.56 m) above msal. MP top of recorder platform, 3.20 ft (0.80 m) above lsd. Highest water level 22.02 ft (6.71 m) below lsd, June 27, 1953; lowest 35.42 ft (10.80 m) below lsd, Aug. 17, 1964. Records available: 1952-74.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.80	25.43	24.50	....	26.45	h25.90	26.25	25.55	25.38
10	26.55	25.76	25.37	24.47	27.08	26.36	25.89	26.01	25.52	25.38
15	26.42	25.67	25.10	24.65	27.01	26.78	26.00	25.94	25.50	25.35
20	26.13	25.67	25.00	24.82	27.37	....	26.10	25.82	25.46	25.30
25	25.99	25.65	24.78	....	26.60	26.71	26.23	25.74	25.39	25.30
Eom	25.88	25.58	24.60	....	h26.22	26.29	26.31	25.65	25.39	25.18

1973

5	25.24	25.16	24.92	h24.31	24.23	h25.17	h26.92	28.61	....	26.13	25.94	25.77
10	h25.27	25.20	24.69	24.32	24.28	25.07	....	28.61	26.56	26.05	25.90	....
15	25.21	25.18	24.48	24.26	24.61	24.97	....	28.55	26.46	26.01	25.83	....
20	25.19	25.16	24.46	24.20	24.79	24.90	....	27.80	26.35	26.00	25.82	....
25	....	25.15	24.37	24.26	25.07	24.94	....	27.26	26.20	25.94	25.78	....
Eom	25.15	25.09	24.34	24.24	25.13	25.00	....	26.90	26.18	25.92	25.78	....

1974

5	....	25.69	25.56	25.52	....	25.95	27.07	e34.09	29.93	27.98	h27.49	27.23
10	25.73	....	25.60	25.52	26.50	h25.85	27.93	e34.82	29.35	27.85	27.43	27.20
15	25.72	....	25.54	25.47	26.47	25.82	....	d32.10	28.90	27.75	27.38	27.17
20	25.71	....	25.53	25.61	26.40	25.97	....	30.87	28.58	27.67	27.31	27.14
25	25.72	h25.67	25.52	....	26.23	26.15	....	30.58	28.36	27.60	27.30	e27.1
Eom	25.68	25.61	e25.50	....	26.05	26.30	....	30.41	28.17	27.55	27.38	e27.1

c Nearby well being pumped.

d Nearby well pumped recently.

e Estimated.

h Tape measurement.

Union County

430405096463201. Local number 95N50W8abbd. J. J. Dolan. Near Beresford. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 42 ft (13 m), cased to 42 ft (13 m). Lsd 1,515 ft (462 m) above msal. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 0.51 ft (0.16 m) below lsd, Apr. 11, 1947; lowest 14.77 ft (4.50 m) below lsd, May 2, 1957. Records available: 1936-44, 1946-74.

430405096463201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1972	7.17	Nov. 17, 1972	5.84	Sept. 7, 1973	9.56	May 24, 1974	8.05
Feb. 19	7.67	Dec. 14	6.43	Oct. 10	9.95	June 25	8.10
Apr. 17	5.31	Feb. 26, 1973	6.11	Nov. 7	9.74	July 29	8.57
May 18	1.57	Mar. 20	1.69	Dec. 7	8.62	Aug. 29	9.80
June 20	3.27	Apr. 13	1.90	Jan. 16, 1974	8.10	Sept. 26	11.79
July 14	5.47	May 8	2.81	Feb. 26	9.10	Oct. 22	12.58
Aug. 14	5.45	June 14	5.32	Mar. 26	7.87	Nov. 22	13.08
Sept. 15	6.88	July 9	6.52	Apr. 26	7.52	Dec. 10	13.30
Oct. 12	7.17	Aug. 9	7.82				

Yankton County

425240097252001. Local number 93N56W14aa. John Kayser. Near Yankton. Bored (previously reported drilled) domestic artesian well in Niobrara Formation of Late Cretaceous age; diam 18 in (46 cm), previously reported unknown; depth 80 ft (24 m); casing information not available. Lsd 1,200 ft (366 m) above msl. MP base of pump, 4.50 ft (1.37 m) above lsd (since January 1972). Highest water level 36.40 ft (11.09 m) below lsd, June 16, 1961; lowest 47.72 ft (14.55 m) below lsd, Aug. 19, 1971. Records available: 1946-74.

Jan. 20, 1972	44.56	Oct. 16, 1972	42.99	July 16, 1973	41.19	Apr. 18, 1974	44.52
Feb. 14	44.59	Nov. 16	43.40	Aug. 15	44.12	May 21	42.73
Mar. 7	42.13	Dec. 14	44.60	Sept. 14	40.86	June 21	42.72
Apr. 24	44.60	Jan. 10, 1973	43.50	Oct. 15	41.42	July 19	42.97
May 17	44.30	Feb. 15	42.52	Nov. 16	41.74	Aug. 13	44.15
June 22	41.23	Mar. 19	38.10	Dec. 17	42.25	Sept. 17	42.95
July 26	39.79	Apr. 26	39.32	Jan. 17, 1974	44.13	Oct. 17	43.54
Aug. 25	42.10	May 17	40.78	Feb. 20	42.81	Nov. 15	43.52
Sept. 14	43.77	June 18	39.11	Mar. 19	44.78	Dec. 12	43.68

The observation-well program was continued during 1972 through 1974 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 (ft, 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

435759089490001. Local number Ad-17/6/8-76. Wisconsin Dept. of Natural Resources. Formerly Wisconsin Conservation Dept. Driven observation water-table well in sand of Pleistocene age, diam 1 1/4 in (3.2 cm), depth 21 ft (6 m), cased to 19 ft (6 m), well point 19-21 ft (5.8-6.4 m). Lsd 955 ft (291 m) above msl. NP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 9.69 ft (2.95 m) below lsd, May 29, 1973; lowest 16.66 ft (5.08 m) below lsd, Feb. 23, Mar. 2, 1970. Records available: 1969-74. Water level measurements reported in the following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1972	13.93	Oct. 23, 1972	11.39	July 30, 1973	12.52	May 13, 1974	12.39
Feb. 28	14.63	Nov. 27	11.93	Sept. 17	13.47	June 3	12.01
Mar. 13	14.87	Dec. 26	12.63	Oct. 29	14.27	July 29	12.70
Apr. 10	14.20	Jan. 15, 1973	12.78	Nov. 26	14.20	Aug. 26	13.70
May 22	13.46	Feb. 26	13.05	Dec. 17	13.99	Sept. 30	14.60
June 26	14.10	Mar. 5	12.70	Jan. 28, 1974	14.53	Oct. 28	14.70
July 31	14.39	Apr. 2	11.10	Feb. 25	14.76	Nov. 25	14.90
Aug. 14	14.55	May 21	10.26	Mar. 4	14.30	Dec. 23	15.09
Sept. 11	13.08	June 25	10.86	Apr. 1	13.41		

Ashland County

460936090531701 (revised). 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 (13 cm), depth 89 ft (27 m), casing information not available. Lsd 1,470 ft (448 m) above msl. NP top of hole in pumpbase, at lsd. Highest water level 26.0 ft (7.9 m) below lsd, Nov. 3, 1972; lowest 32.35 ft (9.86 m) below lsd, Apr. 1, 1964. Records available: 1957, 1959-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1972	29.6	Oct. 1, 1972	26.5	July 18, 1973	26.2	Mar. 4, 1974	26.6
Feb. 1	29.6	Nov. 3	26.0	Aug. 6	26.5	Apr. 2	27.6
Mar. 3	29.7	Dec. 1	26.1	Sept. 18	26.5	May 2	28.2
Apr. 4	29.9	Jan. 5, 1973	26.4	Oct. 2	26.5	June 3	27.7
May 3	29.8	Feb. 1	26.4	Nov. 1	26.6	July 2	28.2
June 3	29.4	Mar. 1	27.3	Dec. 13	26.9	Aug. 2	27.9
July 3	29.2	Apr. 3	27.1	Jan. 7, 1974	27.9	Sept. 3	28.1
Aug. 1	28.6	May 2	26.9	Feb. 1	27.6	Oct. 1	28.3
Sept. 8	27.0	June 2	26.4				

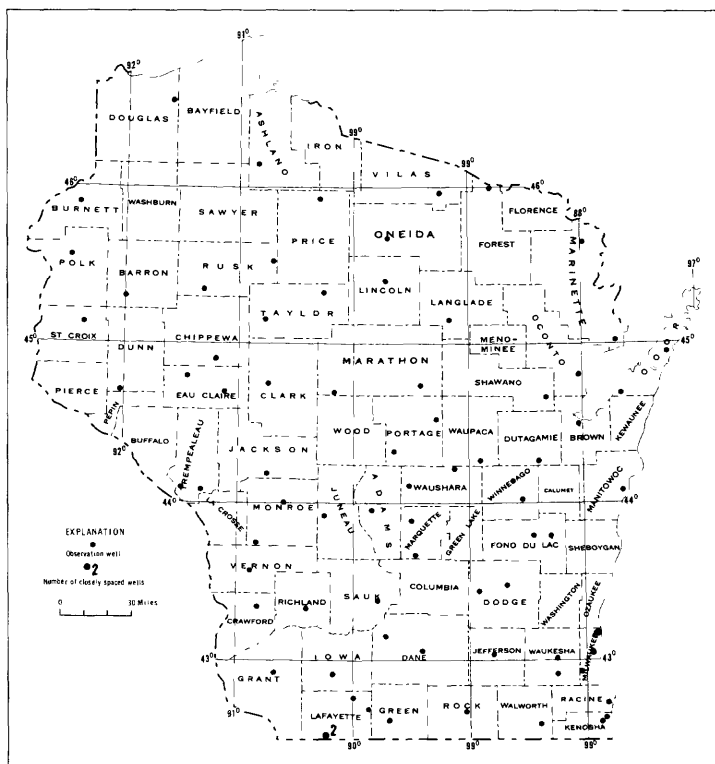


Figure 9.--Location of observation wells in Wisconsin, 1972-74.

Barron County

451514091582101. Local number Br-33/13W/21-46. Edward Thurtin. Drilled unused water-table well in sandstone of Cambrian age, diam 4 in (10 cm), depth 65 ft (20 m), casing information not available. Lsd about 1,115 ft (340 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 28.33 ft (8.63 m) below lsd, June 20, 1973; lowest 35.45 ft (10.81 m) below lsd, May 13, 1959. Records available: 1956-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1972	29.53	Oct. 11, 1972	29.18	June 20, 1973	28.33	Apr. 1, 1974	29.24
Feb. 17,	29.38	Nov. 15	29.13	July 9	28.37	May 14	28.68
Mar. 31	29.51	Jan. 2, 1973	29.16	Aug. 14	28.53	June 7	28.68
May 18	29.23	Feb. 6	29.57	Sept. 24	28.64	July 23	28.66
June 27	29.08	Mar. 29	28.90	Nov. 8	28.90	Sept. 9	28.85
Aug. 9	29.18	Apr. 13	28.79	Jan. 7, 1974	29.16	Oct. 16	28.98
Sept. 5	29.05	May 14	28.89	Feb. 14	29.42	Nov. 20	29.12

Brown County

443228088003101. Local number Br-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 (13 cm), reported depth 500 ft (152 m), cased to 150 ft (46 m). Lsd 590 ft (180 m) above msl. MP top of 3-in (7.6-cm) pipe, 4.06 ft (1.22 m) above lsd. Highest water level 41.24 ft (12.57 m) below lsd, May 3, 1961; lowest 248.97 ft (75.89 m) below lsd, Aug. 30, 1955. Records available: 1950-74. Water levels affected by cessation of pumping from Green Bay municipal wells, August 1957, and by local pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1972	64.28	Oct. 18, 1972	73.05	July 18, 1973	75.13	Apr. 25, 1974	70.25
Feb. 24	64.50	Nov. 15	71.37	Aug. 15	77.82	May 23	72.78
Mar. 23	63.22	Dec. 21	67.88	Sept. 26	87.05	June 25	69.66
Apr. 19	62.72	Jan. 25, 1973	66.82	Oct. 17	85.67	July 25	81.78
May 18	63.53	Feb. 28	65.95	Nov. 14	81.11	Aug. 29	86.29
June 14	67.44	Mar. 29	65.30	Dec. 19	76.05	Sept. 25	84.49
July 19	70.99	Apr. 26	66.84	Jan. 24, 1974	74.43	Oct. 24	79.19
Aug. 17	73.30	May 24	66.46	Feb. 28	73.92	Nov. 21	74.69
Sept. 20	75.24	June 27	67.97	Mar. 21	72.61	Dec. 19	73.53

Burnett County

455224092215601. Local number Et-39/16W/17-2. Wisconsin Dept. of Natural Resources. Formerly Wisconsin Conservation Dept. Drilled observation water-table well in sand of Pleistocene age, diam 8 in (20 cm), depth 46 ft (14 m), cased to 46 ft (14 m), perforated 44½-46 ft (13½-14 m). Lsd 981 ft (299 m) above msl. MP pointer on float gage, 4.87 ft (1.48 m) above lsd. Highest water level 30.33 ft (9.24 m) below lsd, June 28, 1968; lowest 35.10 ft (10.70 m) below lsd, Mar. 26, 1965. Records available: 1937-74. Water level measurements reported in the following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1972	33.76	Oct. 6, 1972	33.31	Aug. 3, 1973	33.04	May 10, 1974	33.06
Feb. 11	33.84	Nov. 10	33.19	Sept. 7	33.01	June 28	32.95
Mar. 24	33.83	Dec. 8	33.21	Oct. 5	32.98	July 19	32.90
Apr. 7	33.82	Feb. 16, 1973	33.19	Nov. 9	32.96	Aug. 23	32.90
May 26	33.73	Mar. 30	33.12	Jan. 25, 1974	32.86	Sept. 6	32.90
June 2	33.73	Apr. 27	33.12	Feb. 8	32.97	Oct. 25	32.97
July 7	33.71	May 4	33.11	Mar. 15	33.01	Nov. 29	33.03
Aug. 25	33.37	June 29	33.02	Apr. 26	33.02	Dec. 27	33.04
Sept. 1	33.40	July 20	33.04				

Chippewa County

445544091155701. Local number Ch-28/7W/18-142. Wisconsin Dept. of Transportation. Drilled domestic artesian well in sandstone of Cambrian age, diam 6 in (15 cm), depth 60 ft (18 m), cased to 39 ft (12 m). Lsd 930 ft (283 m) above msl. MP ¼-in (0.64-cm) hole in pumpbase, 2.20 ft (0.67 m) above lsd. Highest water level 27.72 ft (8.45 m) below lsd, July 10, 1973; lowest 32.61 ft (9.94 m) below lsd, Apr. 5, 1968. Records available: 1968-74. Replaces well Ch-28/5W/1-38.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1968	32.20	Aug. 7, 1969	30.01	Mar. 18, 1971	31.46	Mar. 29, 1973	30.78
Feb. 6	32.25	Sept. 8	30.42	May 6	30.70	Apr. 13	30.56
Mar. 6	32.06	Oct. 14	31.50	June 29	30.38	May 15	27.82
Apr. 5	32.61	Nov. 5	30.33	July 22	31.19	June 28	28.43
May 22	32.58	Dec. 9	30.74	Sept. 1	30.61	July 10	27.72
June 20	32.48	Jan. 6, 1970	30.81	Oct. 12	31.96	Aug. 20	28.25
July 26	32.07	Feb. 9	31.06	Jan. 10, 1972	30.01	Sept. 28	28.84
Aug. 28	32.06	Mar. 9	31.06	Feb. 29	29.97	Nov. 2	28.52
Sept. 24	31.60	Apr. 17	31.60	Apr. 5	31.08	Jan. 8, 1974	29.14
Oct. 22	31.15	May 21	31.26	May 23	32.58	Feb. 19	29.05
Dec. 3	31.21	June 30	31.10	July 7	31.29	Apr. 1	29.08
Jan. 7, 1969	31.29	July 31	30.97	Aug. 4	32.22	May 6	29.49
Feb. 11	31.00	Sept. 16	31.39	Sept. 8	31.52	June 12	28.97
Mar. 11	31.23	Oct. 27	31.23	Oct. 10	32.13	July 29	29.01
Apr. 15	30.56	Dec. 8	30.83	Nov. 14	29.59	Sept. 11	29.09
May 6	30.57	Jan. 8, 1971	30.91	Jan. 3, 1973	29.61	Oct. 17	29.57
June 10	30.20	Feb. 8	31.10	Feb. 8	30.14	Nov. 21	29.97
July 8	30.45						

Clark County

444525090443201. Local number Ck-26/3W/4-1. Wisconsin Dept. of Natural Resources. Formerly Wisconsin Conservation Dept. North Mound Tower. Drilled domestic artesian well in sandstone of Cambrian age, diam 6 in (15 cm), depth 150 ft (46 m), cased to 53 ft (16 m). Lsd 1,210 ft (369 m) above msl. MP hole in pumpbase, at lsd. Highest water level 55.45 ft (16.90 m) below lsd, Aug. 16, 1973; lowest 70.64 ft (21.53 m) below lsd, Sept. 17, 1965. Records available: 1953-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1972	63.04	Nov. 14, 1972	60.10	Aug. 16, 1973	55.45	Apr. 30, 1974	59.08
Feb. 17	62.51	Dec. 19	62.43	Oct. 3	55.94	June 21	59.84
Mar. 17	61.32	Jan. 29, 1973	63.36	Nov. 6	56.55	Aug. 23	58.45
Aug. 4	59.98	Mar. 5	62.30	Feb. 1, 1974	57.38	Oct. 2	57.82
Sept. 19	60.17	May 7	56.88	Mar. 13	57.97	Nov. 22	59.02
Oct. 18	59.42	June 21	55.72				

Crawford County

431942090501401. Local number Cr-10/4W/22-15. J. H. Kettner. Drilled domestic artesian well in sandstone of Cambrian age, diam 6 in (15 cm), depth 150 ft (46 m), cased to 132 ft (40 m). Lsd 740 ft (226 m) above msl. MP top of first elbow on breather pipe, 1.00 ft (0.30 m) above lsd. Highest water level 47.54 ft (14.49 m) below lsd, Apr. 1, 1969; lowest 52.30 ft (15.94 m) below lsd, May 19, 1974. Records available: 1957-72, 1974. No measurement made in 1973.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1972	49.36	Jan. 14, 1974	48.40	Mar. 11, 1974	51.00	May 19, 1974	52.30
Oct. 26	50.50	Feb. 12	49.56	Apr. 16	50.66	June 4	48.90

Dane County

430429089230301. 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 (20 cm), depth 346 ft (105 m), cased to 265 ft (81 m). Lsd 930 ft (283 m) above msl. MP hole in pumpbase, 3.50 ft (1.07 m) below lsd. Highest water level 83.37 ft (25.41 m) below lsd, Jan. 2, 1961; lowest 110.79 ft (33.77 m) below lsd, Aug. 24, 1963. Records available: 1946-54, 1956-74. Water levels affected primarily by pumping of nearby municipal wells.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1972	99.80	Nov. 8, 1972	100.75	Aug. 7, 1973	106.58	May 15, 1974	96.89
Feb. 18	101.20	Dec. 12	99.27	Sept. 5	106.94	June 3	98.25
Mar. 27	99.98	Jan. 17, 1973	100.45	Oct. 1	102.40	July 16	102.01
Apr. 25	101.43	Feb. 14	99.77	Nov. 6	102.86	Aug. 5	97.44
May 11	101.17	Mar. 21	100.86	Dec. 7	103.72	Sept. 10	101.64
June 19	102.33	Apr. 18	95.12	Jan. 3, 1974	98.14	Oct. 9	100.57
July 26	106.03	May 16	97.69	Feb. 8	98.60	Nov. 5	98.88
Sept. 5	102.21	June 22	98.81	Mar. 12	96.80	Dec. 5	98.18
Oct. 20	96.27	July 20	107.35	Apr. 11	95.87		

430818089444501. Local number Dn-8/6/26-11. Black Earth Public School. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 59 ft (18 m), cased to 59 ft (18 m). Lsd 818 ft (249 m) above msl. MP top of casing, 6.00 ft (1.83 m) below lsd. Highest water level 10.04 ft (3.06 m) below lsd, May 2, 1973; lowest 13.75 ft (4.19 m) below lsd, Aug. 5, 1965. Records available: 1950, 1954, 1956-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.01	13.21	13.32	12.87	12.63	13.21	13.40	13.01	12.45	12.75	12.51	13.05
10	13.06	13.22	13.36	12.76	12.66	13.26	13.42	13.10	12.70	12.84	12.59	13.07
15	13.11	13.29	12.92	12.73	12.74	13.27	13.24	12.92	12.28	12.91	12.72	13.06
20	13.07	13.34	12.25	12.72	12.91	13.29	13.20	12.65	12.46	13.01	12.84	13.09
25	13.16	13.34	12.49	12.23	13.04	13.33	13.25	12.45	12.65	12.16	12.93	13.15
Eom	13.15	13.34	12.79	12.57	13.08	13.38	13.23	12.26	12.55	12.49	13.00	12.18

1973

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.41	12.40	12.39	12.00	10.74	11.94	12.55	12.78	12.37	12.11	12.72	12.67
10	12.69	12.68	11.54	12.25	10.53	12.14	12.64	12.71	12.56	12.29	12.76	12.39
15	12.90	12.86	11.10	11.33	11.19	12.26	12.67	12.30	12.69	12.41	12.78	12.63
20	12.25	12.95	11.63	11.27	11.54	12.33	12.70	12.55	12.65	12.55	12.79	12.74
25	12.55	12.97	12.02	11.18	11.66	12.41	12.60	12.45	12.67	12.64	12.60	12.81
Eom	12.73	13.00	12.32	11.53	11.60	12.47	12.69	12.66	12.04	12.68	12.64	12.70

1974

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.81	12.47	11.52	11.90	.....	12.27	12.51	12.60	12.70	12.76	12.53	12.70
10	12.86	12.70	11.58	12.19	.....	11.39	12.60	12.66	12.73	12.55	12.60	12.45
15	12.89	12.82	11.95	12.23	11.93	11.79	12.33	12.69	.....	12.52	12.44	12.60
20	12.93	12.81	12.02	11.66	11.55	12.10	12.55	12.67	12.81	12.66	12.57	12.45
25	12.61	12.71	12.30	11.76	11.72	12.10	12.51	12.60	12.78	12.70	12.60	12.63
Eom	12.04	12.78	11.67	11.76	12.05	12.36	12.52	12.61	12.67	12.66	12.68	12.72

Dodge County

432407088552701. Local number Dg-11/13/22-81. Wisconsin Dept. of Transportation. Drilled domestic artesian well in St. Peter Sandstone of Middle Ordovician age, diam 6 in (15 cm), depth 125 ft (38 m), cased to 57 ft (17 m). Lsd 880 ft (268 m) above msl. MP $\frac{1}{4}$ -in (0.64-cm) hole in side of casing, 1.30 ft (0.40 m) above lsd. Highest water level 17.11 ft (5.22 m) below lsd, Apr. 5, May 17, 1973; lowest 26.67 ft (8.13 m) below lsd, Feb. 3, 1965. Records available: 1964-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 10, 1964	26.13	Feb. 11, 1967	21.61	June 4, 1969	19.81	Mar. 20, 1972	19.48
Dec. 3	26.18	Mar. 20	20.78	July 8	18.59	Apr. 4	19.86
Jan. 5, 1965	26.40	Apr. 26	20.93	Aug. 7	20.04	May 5	18.34
Feb. 3	26.67	June 1	20.59	Sept. 22	22.75	June 7	20.03
Mar. 9	24.58	July 6	20.44	Oct. 17	23.05	July 14	21.50
Apr. 1	24.47	Aug. 7	22.29	Nov. 17	23.25	Sept. 6	19.59
May 5	22.66	Sept. 11	24.14	Dec. 31	23.47	Oct. 23	17.51
June 3	23.29	Oct. 10	24.96	Feb. 10, 1970	23.61	Dec. 1	18.06
July 1	25.16	Nov. 13	20.62	Mar. 23	21.60	Jan. 22, 1973	17.43
Aug. 4	25.59	Dec. 13	20.26	Apr. 14	21.66	Mar. 3	18.49
Sept. 2	26.11	Jan. 10, 1968	21.14	May 26	21.17	Apr. 5	17.11
Oct. 7	19.08	Feb. 13	21.20	June 16	21.28	May 17	17.11
Nov. 8	18.79	Mar. 19	21.63	July 17	22.87	July 11	19.58
Dec. 1	18.72	Apr. 29	19.43	Aug. 17	24.90	Aug. 21	21.18
Jan. 2, 1966	17.57	June 4	19.47	Oct. 5	21.58	Oct. 5	21.53
Feb. 2	19.00	July 24	18.67	Jan. 29, 1971	20.49	Nov. 12	20.81
Mar. 3	18.74	July 11	19.03	Feb. 22	18.64	Dec. 27	19.44
Apr. 6	17.59	Aug. 20	21.20	Mar. 24	17.49	Jan. 25, 1974	19.36
May 5	18.26	Sept. 17	20.77	Apr. 19	17.22	Feb. 4	18.76
June 1	18.42	Oct. 25	21.54	June 22	18.90	Mar. 18	17.56
July 5	19.61	Nov. 13	21.62	July 28	21.02	May 3	18.03
Aug. 3	20.90	Dec. 4	21.38	Aug. 27	22.76	June 14	17.54
Sept. 1	21.88	Jan. 14, 1969	21.59	Nov. 11	22.23	July 26	19.62
Oct. 7	23.29	Feb. 17	20.94	Dec. 19	22.07	Sept. 5	20.74
Nov. 8	23.57	Feb. 27	20.80	Dec. 17	20.86	Oct. 17	21.09
Dec. 13	22.26	Apr. 1	18.97	Jan. 21, 1972	19.98	Nov. 22	21.21
Jan. 9, 1967	22.43	28	19.06				

432706088371701. 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 (20 cm), depth 475 ft (145 m), cased to 140 ft (43 m). Lsd 980 ft (299 m) above msl. MP edge of manhole, 2.00 ft (0.61 m) above lsd. Highest water level 112.53 ft (34.30 m) below lsd, May 9, 1960; lowest 122.57 ft (37.36 m) below lsd, Sept. 18, 1953. Records available: 1947-73. Well destroyed; measurement discontinued. Water levels affected primarily by pumping of nearby municipal wells.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	118.24	118.54	117.63	117.12	117.72	118.77	120.46	119.62	118.05	117.92	117.10
10	.....	118.60	118.68	117.36	117.74	117.99	119.03	120.39	120.09	118.21	117.52	117.10
15	.....	118.63	118.36	117.36	.....	118.34	119.90	119.09	119.39	118.48	117.62	117.30
20	.....	118.62	117.81	117.61	.....	118.06	120.61	119.64	118.53	118.81	.....	117.23
25	118.16	118.62	117.71	116.98	.....	118.26	120.50	119.74	117.91	117.74	.....	116.90
Eom	118.08	118.50	117.67	117.14	.....	116.95	120.07	120.05	118.20	118.20	.....	115.76

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	116.26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	116.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Door County

444243087415901. Local number Dr-26/23/22-11. Wilfred LeMense. Drilled stock artesian well in St. Peter Sandstone of Middle Ordovician age, diam 6 in (15 cm), reported depth 815 ft (249 m), cased to 60 ft (18 m). Lsd 630 ft (192 m) above msl. MP hole in side of casing, 1.00 ft (0.30 m) above lsd. Highest water level 40.21 ft (12.26 m) below lsd, Mar. 27, 1969; lowest 60.63 ft (18.48 m) below lsd, Nov. 6, 1957. Records available: 1950-72. Measurement discontinued. Water levels affected by regional pumping. Feb. 24, 1972, 43.10; Apr. 19, 42.87; June 14, 43.33; Oct. 18, 42.65; Dec. 20, 43.02.

445757087151701. Local number Dr-29/27/30-7. Fred Peterson. Drilled unused artesian well in Niagara Dolomite of Middle Silurian age, diam 4 in (10 cm), depth 111 ft (34 m), casing information not available. Lsd 725 ft (221 m) above msl. MP hole in pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 10.52 ft (3.21 m) below lsd, Apr. 15, 1974; lowest 52.40 ft (15.97 m) below lsd, Dec. 7, 1949. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1972	36.48	Aug. 9, 1972	45.39	Aug. 25, 1973	45.17	Apr. 24, 1974	32.27
Feb. 1	38.05	Oct. 5	33.08	Sept. 24	46.92	May 30	40.10
28	41.85	Nov. 2	16.05	Oct. 23	46.32	June 24	36.27
Mar. 22	15.83	Jan. 25, 1973	22.97	Nov. 19	41.30	July 23	46.23
28	17.20	Feb. 27	44.79	Dec. 17	34.57	Aug. 26	46.26
Apr. 18	16.23	Mar. 14	12.03	Jan. 23, 1974	32.66	Sept. 24	46.28
May 11	35.05	28	36.84	Feb. 26	37.15	Oct. 21	46.30
23	40.45	Apr. 30	35.40	Mar. 20	33.11	Nov. 19	45.93
June 9	46.46	July 26	45.20	Apr. 15	10.52	Dec. 17	45.11

Douglas County

463217091342801. Local number Ds-47/10W/23-1. Wisconsin Dept. of Natural Resources. Formerly Wisconsin Conservation Dept. Drilled observation artesian well in sand of Pleistocene age, diam 8 in (20 cm), depth 40 ft (12 m), cased to 40 ft (12 m), perforated 37-40 ft (11-12 m). Lsd 980 ft (299 m) above msl. MP pointer on float gage, 4.33 ft (1.32 m) above lsd. Highest water level 0.38 ft (0.12 m) above lsd, June 10, 1974; lowest 29.59 ft (9.02 m) below lsd, July 29, 1939. Records available: 1937-41, 1944-74. Water-level measurements reported in the following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1972	28.07	Nov. 17, 1972	4.25	Aug. 3, 1973	2.88	May 3, 1974	3.70
Feb. 4	28.15	Dec. 29	14.99	Sept. 21	5.82	June 28	2.90
Mar. 17	28.14	Jan. 26, 1973	20.90	Oct. 5	2.35	July 26	6.36
Apr. 7	17.07	Feb. 23	23.51	Nov. 16	4.31	Aug. 23	8.76
May 26	23.88	Mar. 9	24.36	Dec. 28	4.54	Sept. 27	10.76
June 23	20.99	Apr. 27	.37	Jan. 25, 1974	9.37	Oct. 25	12.80
Aug. 11	20.67	May 4	.10	Feb. 22	12.10	Nov. 29	14.79
Sept. 15	23.75	June 29	1.63	Mar. 29	14.66	Dec. 27	16.07
Oct. 6	4.96	July 13	5.11	Apr. 12	15.48		

Dunn County

444141092004201. Local number Du-26/13W/31-53. Eau Galle Cheese Co. Drilled unused water-table well in sandstone of Cambrian age, diam 5 in (13 cm), reported depth 75 ft (23 m), cased to 54 ft (16 m). Lsd about 780 ft (238 m) above msl. MP top of casing, 6.00 ft (1.83 m) below lsd. Highest water level 29.81 ft (9.09 m) below lsd, July 10, 1973; lowest 37.33 ft (11.38 m) below lsd, July 28, 1971. Records available: 1956-74.

Jan. 11, 1972	35.95	Oct. 18, 1972	32.20	June 21, 1973	31.87	Apr. 4, 1974	31.97
Feb. 29	34.58	Nov. 16	30.98	July 10	29.81	May 2	31.69
Apr. 3	34.40	Jan. 2, 1973	33.38	Aug. 20	30.88	June 11	31.75
May 23	33.52	Feb. 7	32.42	Sept. 26	31.00	July 30	32.56
June 28	34.13	Mar. 29	31.80	Nov. 20	31.26	Sept. 11	32.48
Aug. 3	33.53	Apr. 19	32.13	Jan. 8, 1974	32.01	Oct. 17	34.00
Sept. 7	33.60	May 17	31.26	Feb. 21	32.64	Nov. 20	32.95

Eau Claire County

444106091083201. Local number EC-26/6W/32-13. Eau Claire County. Driven unused water-table well in alluvium, diam 1 1/2 in (3.2 cm), depth 26 ft (8 m), cased to 24 ft (7 m), well point 24-26 ft (7-8 m). Lsd 955 ft (291 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 4.78 ft (1.46 m) below lsd, May 18, 1973; lowest 14.98 ft (4.57 m) below lsd, Nov. 29, 1951. Records available: 1951-74.

Jan. 10, 1972	13.10	Oct. 10, 1972	10.65	June 21, 1973	7.33	Apr. 1, 1974	13.12
Feb. 29	12.91	Nov. 17	9.67	July 10	8.69	May 6	11.70
Apr. 4	10.86	Jan. 3, 1973	11.08	Aug. 20	10.91	June 12	12.39
May 18	11.45	Feb. 8	10.97	Sept. 24	12.16	Aug. 7	13.08
July 7	7.77	Mar. 29	7.41	Nov. 19	13.19	28	13.35
Aug. 9	12.73	Apr. 19	7.97	Jan. 8, 1974	13.68	Oct. 17	13.87
Sept. 6	12.72	May 18	4.78	Feb. 19	13.91	Nov. 21	14.02

444744091265601. Local number EC-27/9W/27-37. Joseph Estrene. Drilled public-supply water-table well in sandstone of Cambrian age, diam 5 in (13 cm), depth 101 ft (31 m), cased to 54 ft (16 m). Lsd 882 ft (269 m) above msl. MP top of casing, 2.06 ft (0.61 m) above lsd. Highest water level 71.94 ft (21.93 m) below lsd, Feb. 19, 1974; lowest 78.84 ft (24.03 m) below lsd, Sept. 12, 1960. Records available: 1956-74.

Jan. 10, 1972	76.55	Sept. 6, 1972	72.79	Aug. 20, 1973	73.98	May 6, 1974	72.73
Feb. 29	76.10	Feb. 8, 1973	73.61	Sept. 24	73.19	June 12	72.97
Apr. 4	74.29	Mar. 29	74.50	Nov. 2	72.77	Aug. 7	74.04
May 23	74.58	May 15	73.88	Jan. 8, 1974	72.26	28	73.96
July 7	74.53	June 21	73.84	Feb. 19	71.94	Oct. 17	73.91
Aug. 9	75.47	July 10	73.08	Apr. 1	72.06	Nov. 21	73.72

Fond du Lac County

434725088255601. 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 (10 cm), reported depth 817 ft (249 m), cased to 127 ft (39 m). Lsd 753 ft (230 m) above msl. MP top of casing, at lsd. Highest water level 54.15 ft (16.50 m) below lsd, Feb. 4, 1962; lowest 72.36 ft (22.06 m) below lsd, July 30, 1965. Records available: 1953-74. Water levels affected primarily by pumping of nearby municipal wells.

43472508255601--Continued.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	69.94	69.66	.....	69.20	.....	69.18	68.76	68.52	67.99	66.54	65.68
10	.....	.....	69.91	.....	69.11	.....	68.82	68.68	68.16	67.50	66.28	64.83
15	.....	.....	69.46	.....	68.63	69.20	68.69	68.55	68.19	67.45	65.84	64.98
20	69.80	.....	69.30	69.12	69.23	69.00	68.70	68.85	68.24	67.65	65.77	64.96
25	70.11	69.75	.....	69.20	69.55	68.77	68.88	68.69	67.93	67.03	65.70	64.41
Eom	69.94	69.55	.....	69.06	.....	69.20	68.74	68.80	67.97	66.72	65.29	64.12

1973

5	63.74	63.15	63.30	63.17	.....	60.54	63.53	62.69	64.33	63.51	.....	.....
10	63.85	63.21	62.98	62.37	.....	.....	63.82	64.28	64.72	63.35	.....	58.84
15	64.41	63.93	62.90	62.72	.....	.....	63.62	64.31	.....	63.36	58.40	.....
20	.....	63.49	.....	63.33	.....	.....	64.76	64.00	.....	.....	58.35	.....
25	62.32	.....	.....	63.01	.....	61.83	64.30	64.40	63.82	.....	.....	58.20
Eom	63.23	63.23	63.50	62.52	.....	62.12	63.95	64.98	63.31	.....	.....	58.29

1974

5	.....	59.20	.....	.....	58.58	59.35	.....	.....	60.20	.....	58.07	.....
10	.....	57.65	.....	.....	58.49	59.29	.....	.....	59.70	.....	58.09	.....
15	.....	58.46	.....	.....	58.49	58.99	.....	.....	60.98	.....	.....	.....
20	58.44	58.46	.....	.....	57.87	59.60	.....	.....	.....	.....	58.16	58.21
25	60.14	.....	.....	.....	58.29	.....	62.00	59.98	60.84	58.97	.....	57.98
Eom	60.38	.....	.....	58.92	58.04	.....	61.43	59.58	60.44	60.23	.....	57.70

43465808190701. Local number PL-15/16/11-300. City of Fond du Lac. Drilled observation artesian well in Niagara Dolomite of Middle Silurian age, diam 8 to 6 in (20 to 15 cm), depth 135 ft (41 m), cased to 16 ft (5 m). Lsd 495 ft (303 m) above msl. MP top of casing, 1.70 ft (0.26 m) above lsd. Highest water level 2.02 ft (0.62 m) below lsd, Sept. 6, 1956; lowest 11.25 ft (3.41 m) below lsd, Sept. 8, 1959. Records available: 1956-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1972	7.20	Oct. 17, 1972	4.07	Aug. 28, 1973	4.53	May 2, 1974	2.97
Feb. 25	7.55	Nov. 30	3.88	Oct. 1	5.94	June 14	2.78
Mar. 7	5.60	Jan. 15, 1973	4.40	Nov. 8	4.22	July 25	3.54
Apr. 26	4.86	Feb. 26	4.04	Dec. 27	3.78	Sept. 5	2.22
June 6	5.68	Mar. 27	2.34	Jan. 31, 1974	4.59	Oct. 16	2.50
July 14	6.11	May 14	2.30	Mar. 18	2.39	Nov. 22	6.15
Aug. 29	6.38	July 3	4.29				

Forest County

460156088474901. Local number Fr-41/14/18-2. Wisconsin Dept. of Transportation. Formerly 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 (3.2 cm), depth 18 ft (5 m), cased to 15 ft (5 m), well point 15-18 ft (4.6-5.5 m) above msl. Lsd 1,551.69 ft (472.96 m) above msl. MP top of casing, 1.70 ft (0.52 m) above lsd. Highest water level 7.96 ft (2.43 m) below lsd, Apr. 29, 1954; lowest 12.09 ft (3.69 m) below lsd, Sept. 29, 1972. Records available: 1948-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14, 1972	10.97	Sept. 29, 1972	12.09	July 1, 1973	11.07	Mar. 28, 1974	11.13
Feb. 9	11.00	Nov. 16	10.49	Aug. 25	11.28	June 4	10.62
Mar. 8	10.17	Dec. 27	10.66	Nov. 22	11.32	July 1	11.03
May 10	9.08	Feb. 9, 1973	10.49	Oct. 10	11.30	Sept. 5	11.33
June 13	10.85	Mar. 21	9.65	Nov. 21	11.33	Oct. 30	11.15
Aug. 15	11.39	Apr. 24	9.71	Feb. 15, 1974	10.50	Nov. 4	11.06

Grant County

425551090391301. Local number Gr-5/2W/6-5. Ralph Snackelford. Drilled unused water-table well in dolomite of Prairie du Chien Group of Early Ordovician age, diam 5 in (13 cm), depth 35 ft (11 m), cased to 5 ft (2 m). Lsd 380 ft (294 m) above msl. MP edge of pumpbase, 0.50 ft (0.15 m) above lsd. Highest water level 8.60 ft (2.62 m) below lsd, May 22, 1973; lowest 19.03 ft (5.80 m) below lsd, Aug. 17, 1965. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1972	14.59	Sept. 18, 1972	14.06	June 26, 1973	9.03	May 22, 1974	11.67
Mar. 6	14.80	Oct. 31	14.10	Aug. 20	10.50	July 9	10.67
Apr. 11	13.70	Dec. 15	14.20	Oct. 16	12.00	Aug. 19	10.92
May 16	13.00	Jan. 24, 1973	13.16	Jan. 15, 1974	13.69	Sept. 30	11.99
June 26	13.38	Mar. 6	13.08	Feb. 26	14.15	Nov. 12	12.12
Aug. 8	13.43	May 22	8.60	Apr. 16	12.06	Dec. 16	12.64

Green County

423815689404201. Local number Gn-2/7-1-1. Charles Segner. Drilled unused water-table well in Platteville Formation of Middle Proterozoic age, diam 6 in (15 cm), depth 75 ft (23 m), casing information not available. Lsd 995 ft (303 m) above msl. MF top of casing, 4.50 ft (1.37 m) above lsd. Highest water level 47.96 ft (14.62 m) below lsd, Apr. 13, 1966; lowest 69.72 ft (21.25 m) below lsd, Feb. 17, 1964. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1972	62.42	Nov. 2, 1972	54.44	Oct. 19, 1973	55.77	July 16, 1974	51.77
Apr. 14	64.97	Dec. 6	57.35	Dec. 4	51.24	Aug. 1	56.20
May 16	57.70	Jan. 17, 1973	55.88	Jan. 16, 1974	57.26	Oct. 4	58.63
June 28	53.95	May 23	49.15	Feb. 27	55.50	Nov. 14	60.01
Aug. 10	59.27	July 5	50.59	Apr. 9	52.95	Dec. 19	59.89
Sept. 20	52.10	Aug. 23	56.38	May 20	50.77		

Iowa County

425644090101901. Local number Iw-6/3/22-12. Archie Lee. Drilled unused artesian well in Galena Dolomite of Middle Ordovician age, diam 6 in (15 cm), depth 92 ft (28 m), casing information not available. Lsd 1,200 ft (366 m) above msl. MF 1-in (2.54-cm) hole in pumpbase, at lsd. Highest water level 39.40 ft (12.01 m) below lsd, May 17, 1960; lowest 68.81 ft (20.97 m) below lsd, Aug. 18, 1965. Records available: 1957-74.

Feb. 2, 1972	61.62	Nov. 3, 1972	56.70	Aug. 22, 1973	56.10	May 21, 1974	54.66
Mar. 15	62.88	Dec. 13	55.35	Oct. 16	58.72	July 15	53.53
Apr. 24	60.46	Jan. 17, 1973	52.94	Dec. 3	58.56	Aug. 21	58.52
May 21	60.31	Mar. 6	52.46	Jan. 17, 1974	59.68	Oct. 3	57.32
June 28	60.42	May 21	55.34	Feb. 28	57.79	Nov. 3	59.00
Aug. 9	60.05	July 5	53.69	Apr. 8	57.63	Dec. 20	58.39
Sept. 21	56.71						

Jackson County

441051090470901. Local number Ja-20/34/30-5. Robert Foulker. Formerly Henry Lange. Drilled unused artesian well in sandstone of Cambrian age, diam 10 in (25 cm), depth 190 ft (58 m), cased to 54 ft (16 m). Lsd 945 ft (288 m) above msl. MF hole in pumpbase, at lsd. Highest water level 15.53 ft (4.73 m) below lsd, May 22, 1973; lowest 22.60 ft (6.89 m) below lsd, Dec. 19, 1958. Records available: 1953-74.

Jan. 4, 1972	12.54	Oct. 12, 1972	17.52	Oct. 3, 1973	18.14	May 20, 1974	17.36
Feb. 17	19.91	Nov. 15	17.56	Nov. 6	18.67	June 11	18.25
Mar. 16	20.10	Jan. 4, 1973	18.22	Dec. 8	17.40	22	18.55
Apr. 13	19.57	Apr. 2	16.21	Jan. 6, 1974	18.89	July 28	18.66
May 23	18.56	May 22	15.53	Feb. 12	19.92	Sept. 9	18.45
July 7	19.16	June 29	16.07	Mar. 28	18.74	Oct. 20	20.40
Aug. 23	19.23	Aug. 29	17.57	Apr. 18	19.77	Nov. 10	20.30

Jefferson County

434213088472201. Local number Je-7/14/25-9. Ladish Malting Co. Drilled unused artesian well in sandstone of Cambrian age, diam 8 in (20 cm), reported depth 716 ft (218 m), cased to 326 ft (99 m). Lsd 613 ft (187 m) above msl. MF pumpbase, 2.10 ft (0.64 m) above lsd. Highest water level 15.16 ft (4.62 m) below lsd, Feb. 28, 1949; lowest 50.65 ft (15.44 m) below lsd, May 28, 1952. Records available: 1946-74. Fluctuation caused primarily by local pumping.

Jan. 28, 1972	19.36	Oct. 13, 1972	19.28	July 13, 1973	21.80	Mar. 29, 1974	18.40
Feb. 29	20.48	Nov. 22	18.11	Aug. 10	26.53	Apr. 19	17.66
Mar. 30	21.49	Dec. 15	23.78	Sept. 21	20.88	May 17	19.78
Apr. 26	20.76	Jan. 19, 1973	25.73	Oct. 12	21.15	June 21	18.80
May 26	19.23	Mar. 6	21.06	Nov. 21	21.10	July 16	19.98
June 23	19.76	Apr. 23	20.50	Dec. 14	20.69	Aug. 9	20.47
July 14	20.06	June 29	20.37	Jan. 18, 1974	26.56	Sept. 20	18.20
Aug. 11	20.17	May 16	18.43	Feb. 13	24.88	Oct. 18	18.76
Sept. 15	19.20	June 22	18.71				

Juneau County

435515090152901. Local number Ju-17/2/28-48. Wisconsin Dept. of Transportation. Formerly State of Wisconsin. Drilled domestic water-table well in sandstone of Cambrian age, diam 6 in (15 cm), depth 71 ft (22 m), cased to 42 ft (13 m). Lsd 930 ft (283 m) above msl. MF 1-in (2.54-cm) hole in pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 9.66 ft (3.01 m) below lsd, May 24, 1973; lowest 12.44 ft (4.10 m) below lsd, Feb. 17, 1972. Records available: 1969-74.

435515090152901--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1972	12.06	Oct. 12, 1972	11.11	Sept. 5, 1973	10.58	Apr. 17, 1974	10.66
Feb. 17	13.44	Nov. 13	10.83	Oct. 3	10.61	June 12	10.67
Mar. 16	12.26	Jan. 2, 1973	10.91	Nov. 6	10.95	July 23	11.53
Apr. 13	11.70	Feb. 19	11.24	Dec. 19	11.18	Sept. 10	11.58
May 23	11.82	Apr. 2	10.51	Jan. 30, 1974	11.25	Nov. 1	11.50
July 5	12.52	May 24	9.86	Mar. 13	11.09	Dec. 17	11.75
Aug. 21	12.13	July 11	10.33				

Kenosha County

423907087521701. Local number Ke-3/22/11-6. Kenosha County. Drilled irrigation artesian well in sandstone of Cambrian age, diam 10 to 8 in. (25 to 20 cm), reported depth 1,751 ft (534 m), cased to 492 ft (150 m). Lsd 639 ft (195 m) above msl. MP bottom of breather pipe, 1.35 ft (0.41 m) above lsd (since January 1974). Highest water level 21.10 ft (6.43 m) below lsd, Dec. 3, 1947; lowest 139.43 ft (42.50 m) below lsd, Aug. 19, 1974. Records available: 1946-70, 1974. No measurement made in 1974-73. Water levels affected by regional pumping. Aug. 19, 1974, 139.43; Nov. 29, 139.21.

42361107530001. Local number Ke-2/22/27-4. Sunset Ridge Memorial Park. Drilled domestic and irrigation water-table well in Niagara Dolomite of Middle Silurian age, diam 6 in (15 cm), reported depth 190 ft (58 m), casing information not available. Lsd 730 ft (223 m) above msl. MP 4-in (0.64-cm) hole in manhole, at lsd (since Sept. 28, 1972). Highest water level 73.70 ft (22.46 m) below lsd, Apr. 16, 1952; lowest 97.35 ft (29.67 m) below lsd, Aug. 4, 1970. Records available: 1946-74. Water levels affected by regional pumping.

Feb. 16, 1972	87.87	Nov. 9, 1972	82.78	July 11, 1973	35.92	May 1, 1974	62.42
Mar. 29	87.47	Dec. 21	82.11	Oct. 3	63.42	June 11	63.24
May 18	86.80	Feb. 1, 1973	81.43	Nov. 20	84.64	July 18	86.54
June 28	92.70	Mar. 22	81.48	Jan. 17, 1974	83.78	Oct. 4	92.41
Aug. 11	87.58	Apr. 27	81.42	Mar. 21	81.80	Nov. 29	88.90
Sept. 28	84.25	May 30	81.67				

Lafayette County

423114090161101. Local number Lf-1/2/33-57. Oculthard Estate. Chulburg. Drilled unused artesian well in Galena Dolomite and Platteville Formation of Middle Ordovician age, diam 10 in (25 cm), reported depth 265 ft (81 m), cased to 16 ft (5 m). Lsd 1,000 ft (305 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 63.67 ft (19.41 m) below lsd, Apr. 29, 1952; lowest 130.99 ft (39.93 m) below lsd, Nov. 6, 1959. Records available: 1952-74. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	109.50	109.95	110.05	109.96	110.20	110.09	110.12	104.81	109.17	108.52	107.40	106.36
10	109.52	109.95	110.15	109.86	110.29	110.28	109.90	109.80	109.41	108.43	107.00	106.47
15	110.19	109.72	109.75	110.02	109.88	110.08	109.88	109.66	109.03	108.37	107.03	106.25
20	109.75	110.03	109.87	110.25	110.04	109.81	109.95	109.49	108.97	108.24	106.38	105.78
25	110.20	109.86	109.92	110.36	110.14	109.80	109.38	109.24	108.60	107.92	106.28	105.54
End	109.65	109.65	109.84	110.06	109.99	109.84	109.81	109.31	108.59	107.91	106.41	105.77

1973

5	105.87	104.73	.....	102.92	99.21	94.70	92.77	92.49	92.80	93.79	94.70	95.31
10	105.51	104.67	105.84	102.88	98.01	92.73	92.72	92.34	92.96	93.60	94.94	95.59
15	105.47	104.62	105.57	102.48	97.24	92.64	92.64	92.49	93.10	93.99	94.70	95.95
20	105.27	104.34	105.55	101.82	.....	92.49	92.49	92.69	93.27	94.09	94.79	95.83
25	105.02	104.36	102.99	101.01	95.64	92.44	92.44	92.57	93.26	94.04	94.41	95.78
End	104.59	104.20	103.07	100.03	95.39	92.45	92.45	92.66	93.43	94.22	95.62	.....

1974

5	.....	97.05	97.60	98.42	98.66	97.88	.....	95.10	95.50	95.85	95.72	95.21
10	.....	97.33	98.20	98.45	98.71	97.72	94.77	95.43	95.53	95.71	95.86	95.32
15	.....	97.52	97.78	98.58	98.78	97.34	94.73	95.31	95.73	95.77	95.50	.....
20	96.42	97.52	97.97	98.57	98.91	97.29	94.86	95.47	95.57	95.40	95.46	95.84
25	96.82	97.84	98.24	98.68	98.55	96.95	95.03	95.60	95.99	95.62	95.10	96.36
End	97.24	97.73	98.00	98.70	98.20	.....	95.07	95.71	95.61	95.24	95.25	96.07

423029030136601. Local number Lf-1/2/35-121. Arthur Hancock. Drilled unused artesian well in Galena Dolomite of Middle Ordovician age, diam 6 in (15 cm), depth 237 ft (72 m), cased to 20 ft (6 m). Lsd 1,030 ft (314 m) above msl. MP top south side of casing, 1.00 ft (0.30 m) above lsd. Highest water level 56.77 ft (17.30 m) below lsd, May 23, 1973; lowest 78.72 ft (23.99 m) below lsd, Apr. 14, 1957. Records available: 1953-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1972	71.75	Nov. 1, 1972	62.45	Aug. 22, 1973	60.08	May 23, 1974	56.91
Mar. 7	71.69	Dec. 15	61.59	Oct. 18	62.73	July 10	57.69
Apr. 13	74.65	Jan. 17, 1973	61.57	Dec. 4	63.26	Aug. 20	58.94
May 19	69.53	Mar. 8	62.55	Jan. 10, 1974	63.15	Oct. 2	61.31
June 29	67.97	May 23	56.77	Feb. 26	61.38	Nov. 13	61.95
Aug. 11	65.90	July 5	57.63	Apr. 8	61.90	Dec. 17	62.20
Sept. 19	66.45						

424207089511601. 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 (15 cm), depth 55 ft (17 m), casing information not available. Lsd 20 ft (250 m) above msl. MP bent edge of casing, 0.50 ft (0.15 m) above lsd. Highest water level 16.00 ft (4.88 m) below lsd, June 15, 1947; lowest 24.17 ft (7.37 m) below lsd, Dec. 16, 1966. Records available: 1946-74. Well destroyed; measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1972	23.05	Sept. 19, 1972	22.72	May 23, 1973	20.71	Jan. 16, 1974	22.96
Mar. 15	22.65	Nov. 1	21.92	July 9	23.03	Feb. 27	22.86
Apr. 24	21.07	Dec. 19	22.70	Aug. 23	23.00	Apr. 10	22.76
May 22	21.77	Jan. 26, 1973	22.28	Oct. 17	23.16	May 23	17.03
June 29	22.88	Mar. 6	21.14	Dec. 4	23.13	July 16	22.40
Aug. 10	22.95	Apr. 17	18.00				

424622089585701. Local number Lf-4/4/35-78. Wisconsin Dept. of Natural Resources. Formerly Wisconsin Conservation Dept. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 6 in (15 cm), depth 29 ft (9 m), cased to 4 ft (1 m). Lsd 850 ft (259 m) above msl. MP top of casing, 0.20 ft (0.06 m) above lsd. Highest water level 3.89 ft (1.19 m) below lsd, May 23, 1974; lowest 19.81 ft (6.04 m) below lsd, Mar. 3, 1959. Records available: 1953-66, 1968-74.

Feb. 3, 1972	17.32	Nov. 1, 1972	11.40	Aug. 23, 1973	12.10	May 23, 1974	3.89
Mar. 6	17.36	Jan. 25, 1973	12.46	Oct. 17	13.03	July 15	4.16
Apr. 24	6.55	Mar. 8	5.24	Dec. 4	13.63	Aug. 21	13.01
May 18	8.17	Apr. 17	4.18	Jan. 16, 1974	13.70	Oct. 4	13.66
June 26	15.07	May 24	9.44	Feb. 27	11.36	Nov. 18	13.87
Aug. 10	16.20	July 6	11.52	Apr. 9	8.97	Dec. 18	15.21
Sept. 20	14.25						

Langlade County

450942089085301. Local number La-31/11/20-118. Wisconsin Public Service Corp. Driven observation water-table well in sand of Pleistocene age, diam 1½ in (3.8 cm), depth 21 ft (6 m), cased to 19 ft (6 m), well point 19-21 ft (5.8-6.4 m). Lsd 1,510.45 ft (460.39 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 5.09 ft (1.55 m) below lsd, May 18, 1973; lowest 13.84 ft (4.23 m) below lsd, Feb. 28, 1949. Records available: 1942-74.

Feb. 3, 1972	11.10	Nov. 7, 1972	7.98	July 6, 1973	7.37	Apr. 24, 1974	10.37
Mar. 8	11.24	Dec. 14	8.70	Aug. 9	8.58	May 24	10.47
Apr. 10	10.95	Jan. 22, 1973	9.20	Sept. 27	9.79	July 9	10.82
May 9	7.75	Mar. 20	7.73	Oct. 28	9.30	Sept. 16	8.30
June 27	8.92	Mar. 23	8.06	Jan. 4, 1974	9.30	Oct. 7	11.52
July 21	9.50	Apr. 11	7.95	Feb. 14	11.72	Nov. 6	10.26
Aug. 23	9.44	May 18	5.09	Mar. 29	11.28	Dec. 23	12.13
Oct. 2	8.01						

Lincoln County

452318089402501. Local number Ln-34/6/36-25a. U.S. Geol. Survey. Driven observation water-table well in deposits of Pleistocene age, diam 1½ in (3.8 cm), depth 22 ft (7 m), cased to 20 ft (6 m), well point 20-22 ft (6-7 m). Lsd 1,435 ft (437 m) above msl. MP top of pipe, 3.00 ft (0.91 m) above lsd. Highest water level 6.36 ft (1.94 m) below lsd, May 15, 1960; lowest 10.09 ft (3.08 m) below lsd, Sept. 9, 1962. Records available: 1955-74. Water-level measurements reported in the following table are monthly lows.

Jan. 7, 1972	9.00	Sept. 18, 1972	8.45	May 28, 1973	6.98	Apr. 5, 1974	8.07
Feb. 28	9.05	Oct. 30	7.75	June 25	7.96	May 10	8.01
Mar. 6	9.06	Nov. 27	7.73	July 23	8.93	June 24	8.35
Apr. 10	8.48	Dec. 25	8.26	Aug. 6	8.90	July 30	8.64
May 22	7.65	Jan. 8, 1973	8.30	Sept. 17	8.00	Sept. 10	8.76
June 26	8.50	Feb. 26	8.63	Oct. 22	8.53	Oct. 3	8.64
July 17	8.79	Mar. 5	8.52	Jan. 14, 1974	8.92	Nov. 15	8.64
Aug. 7	8.73	Apr. 9	7.66	Mar. 6	8.60	Dec. 18	8.73

Manitowoc County

4404:0087420401. Local number Mn-19/23/35-28. Wisconsin Dept. of Transportation. Formerly State of Wisconsin. Drilled domestic artesian well in Niagara Dolomite of Silurian age, diam 6 in (15 cm), depth 147 ft (45 m), cased to 133 ft (41 m). Lsd 670 ft (204 m) above msl. MP ¼-in (0.64-cm) hole in pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 27.15 ft (8.28 m) below lsd, Mar. 26, 1973; lowest 31.16 ft (9.50 m) below lsd, Aug. 18, 1970. Records available: 1968-74.

Jan. 20, 1972	29.22	Oct. 18, 1972	28.64	Aug. 23, 1973	28.79	May 1, 1974	27.67
Feb. 25	29.36	Nov. 29	28.56	Oct. 3	28.60	June 13	28.01
Mar. 31	28.30	Jan. 17, 1973	28.57	Nov. 8	27.93	July 24	28.22
Apr. 26	28.46	Feb. 28	28.30	Dec. 19	28.07	Sept. 4	28.35
June 6	28.63	Mar. 26	27.15	Jan. 30, 1974	27.62	Oct. 14	28.81
July 13	29.51	May 16	27.16	Mar. 19	26.86	Nov. 21	29.88
Aug. 30	28.74	July 11	28.03				

Marathon County

444114090082501. Local number Mr-26/3/33-7. City of Marshfield. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 7 in (18 cm), reported depth 49 ft (15 m), cased to 30 ft (9 m), screened 30-49 ft (9-15 m). Lsd 1,190 ft (363 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 16.92 ft (5.16 m) below lsd, June 12, 1950; lowest 38.94 ft (11.87 m) below lsd, Dec. 31, 1974. Records available: 1950-74. Water levels affected primarily by pumping of nearby municipal wells.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	34.63	35.53	34.11	32.86	.....	.....	.....	.....	36.38	.....	.....	34.61
10	34.89	35.56	.....	30.75	.....	.....	35.76	36.08	36.45	22.94	26.10	34.64
15	.....	.....	.....	27.06	.....	.....	35.24	36.24	36.34	.....	29.29	34.66
20	.....	.....	.....	24.66	.....	35.41	35.66	34.57	28.50	35.87	34.16	34.64
25	.....	34.40	31.90	25.05	.....	35.58	35.76	36.00	23.60	27.50	34.60	34.70
Eom	.....	34.14	32.08	28.20	.....	35.74	35.99	35.60	23.85	.....	34.80	.....

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	33.60	32.78	20.09	20.21	20.36	33.34	33.29	32.73	33.33	33.63	34.02
10	.....	33.84	26.30	20.28	.....	.....	33.30	33.22	33.19	33.44	33.79	33.96
15	.....	35.11	.....	19.82	.....	.....	33.23	33.30	33.45	33.49	33.90	34.01
20	34.08	35.28	28.33	19.95	.....	32.59	33.22	33.27	33.50	33.52	33.76	24.13
25	31.84	35.27	24.05	21.08	19.62	33.58	33.35	33.20	33.60	33.59	33.58	34.23
Eom	.....	35.03	21.10	19.54	20.36	33.49	.....	33.18	.....	33.48	33.84	.....

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	34.37	35.15	.....	26.53	36.03	36.52	36.47	.....	37.42	37.84	38.10	38.47
10	.....	35.31	.....	26.49	36.03	26.80	36.48	37.13	37.59	37.90	38.12	38.59
15	.....	35.34	.....	.....	34.83	.....	36.52	37.24	37.60	37.93	38.07	38.67
20	34.73	34.98	32.15	.....	36.62	36.28	36.59	37.00	37.69	38.00	38.23	38.78
25	34.91	34.90	33.83	35.45	36.00	36.36	36.65	37.19	.....	38.01	38.30	38.66
Eom	35.05	34.97	36.10	36.40	36.44	36.40	36.73	37.25	.....	38.06	38.31	38.94

444709089265301. 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 1/2 in (3.2 cm), depth 27 ft (8 m), cased to 25 ft (8 m), well point 25-27 ft (7.6-8.2 m). Lsd 1,229 ft (375 m) above msl. MP top of pipe, 0.80 ft (0.24 m) above lsd. Highest water level 12.77 ft (3.89 m) below lsd, July 21, 1973; lowest 26.09 ft (7.95 m) below lsd, Mar. 30, 1959. Records available: 1944-74. Water-level measurements reported in following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1972	17.30	Oct. 14, 1972	16.65	July 7, 1973	12.79	Apr. 5, 1974	15.30
Feb. 25	17.60	Nov. 4	16.58	Aug. 25	13.00	May 25	16.57
Mar. 17	17.72	Dec. 30	16.65	Sept. 29	13.21	June 29	15.89
Apr. 7	17.71	Jan. 26, 1973	16.77	Oct. 27	13.43	July 27	16.43
May 5	16.35	Feb. 24	16.99	Nov. 24	13.80	Aug. 31	17.04
June 30	16.25	Mar. 3	17.00	Dec. 18	14.35	Sept. 28	17.40
July 28	16.50	Apr. 21	15.50	Jan. 26, 1974	14.70	Oct. 26	17.84
Aug. 19	16.65	May 5	14.87	Feb. 23	15.28	Nov. 30	18.33
Sept. 22	16.80	June 2	13.60	Mar. 30	15.30	Dec. 28	18.79

Marinette County

450327087443201. 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 (13 cm), depth 703 ft (214 m), cased to 31 ft (9 m). Lsd 610 ft (186 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 11.00 ft (3.35 m) below lsd, May 4, 1964; lowest 28.25 ft (8.61 m) below lsd, Aug. 20, 1955. Records available: 1947-73. Measurement discontinued 1973. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	18.06	h17.90	16.40	16.01	20.54	19.89	20.35	19.48	16.90	16.37	16.80
10	.....	18.30	h17.25	16.36	15.98	21.46	21.04	20.17	21.13	16.23	16.39	16.44
15	.....	17.60	h16.60	15.90	16.60	21.41	21.40	20.41	21.55	16.81	16.69	18.52
20	.....	h18.30	17.12	15.38	20.13	21.25	21.22	20.50	19.26	16.79	16.26	17.00
25	14.76	h18.60	17.49	15.43	21.13	22.20	21.52	20.45	17.65	17.05	16.40	15.82
Eom	18.04	h16.50	16.66	15.90	21.08	23.20	20.10	20.84	17.20	16.73	16.10	16.20

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	15.64	15.40	16.87	15.60	14.29	14.08	14.80	.....	.....	.....	.....	.....
10	15.16	15.49	16.51	15.97	14.00	14.91	.....	.....	.....	.....	.....	.....
15	15.60	15.90	15.62	15.10	14.27	15.00	.....	.....	.....	.....	.....	.....
20	15.30	16.96	15.99	14.76	14.70	15.59	.....	.....	.....	.....	.....	.....
25	15.00	16.50	15.74	14.75	15.01	14.78	.....	.....	.....	.....	.....	.....
Eom	15.47	17.60	17.13	15.32	14.54	14.81	.....	.....	.....	.....	.....	.....

h Tape measurement.

4538150759010. Local number M-37 20 34-7. Wisconsin Dept. of Natural Resources. Formerly Wisconsin Conservation Dept. Drilled unused water-table well in bedrock of Pleistocene age, diam 6 in (20 cm), depth 33 ft (10 m), casing information not available. Lsd 340 ft (296 m) above msl. MF pointer or float gage, 4.00 ft (1.22 m) above lsd. Highest water level 19.61 ft (5.49 m) below lsd, May 17, 1960; lowest 13.16 ft (7.92 m) below lsd, Nov. 2, 1948. Records available: 1939-74. Water-level measurements reported in the following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 35, 1972	21.18	Oct. 24, 1972	20.63	July 31, 1973	13.91	Apr. 2, 1974	21.17
Feb. 22	21.34	Nov. 28	20.62	Aug. 28	20.28	May 22	20.63
Mar. 14	21.55	Dec. 26	20.76	Sept. 25	20.36	June 11	20.70
Apr. 11	21.19	Jan. 16, 1973	20.56	Oct. 30	20.53	July 30	21.05
May 2	19.93	Feb. 27	20.95	Nov. 27	20.84	Aug. 15	21.11
June 27	17.73	Mar. 6	20.94	Dec. 25	20.82	Sept. 16	20.96
July 15	20.93	Apr. 17	19.94	Jan. 29, 1974	20.82	Oct. 29	20.95
Aug. 29	20.40	May 1	19.62	Feb. 26	21.18	Nov. 12	20.85
Sept. 16	20.58	June 13	19.25	Mar. 5	21.22	Dec. 21	20.93

Marquette County

43245489.75501. Local number 43-1479 30-25. Wisconsin Dept. of Transportation. Formerly State of Wisconsin. Drilled domestic water-table well in sandstone of Cambrian age, diam 6 in (15 m), depth 170 ft (52 m), cased to 145 ft (44 m). Lsd 320 ft (244 m) above msl. MF 4-in (102-mm) pipe in unibase, 100 ft (30.3 m) above lsd. Highest water level 12.80 ft (3.90 m) below lsd, Apr. 2, 1973; lowest 12.05 ft (5.82 m) below lsd, Aug. 5, 1970. Records available: 1965-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1972	17.16	Oct. 13, 1972	14.27	Sept. 6, 1973	16.20	Apr. 16, 1974	14.53
Feb. 23	17.30	Dec. 1	14.05	Oct. 2	16.26	June 14	14.65
Mar. 9	17.36	Jan. 6, 1973	16.88	Nov. 7	16.40	July 22	14.96
Apr. 4	16.64	Feb. 10	14.87	Dec. 16	16.32	Sept. 11	16.75
May 23	16.11	Apr. 2	16.00	Jan. 29, 1974	16.03	Oct. 1	17.04
July 11	16.72	May 31	15.35	Mar. 12	15.45	Dec. 10	16.88
Aug. 23	16.05	July 11	14.94				

435244089293401. Local number M-12/12-1. Village of Westfield. Drilled unused artesian well in sandstone of Cambrian age, diam 6 in (15 cm), depth 274 ft (84 m), casing information not available. Lsd 680 ft (208 m) above msl. MF top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 14.87 ft (4.53 m) below lsd, July 1, 1973; lowest 18.21 ft (5.55 m) below lsd, Feb. 18, 1965. Records available: 1949-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1972	16.22	Oct. 25, 1972	15.75	Sept. 2, 1973	14.38	Apr. 16, 1974	15.17
Feb. 23	16.34	Nov. 16	15.49	Oct. 2	14.56	June 14	14.85
Mar. 9	16.30	Jan. 8, 1973	15.49	Nov. 7	14.75	July 22	15.27
Apr. 14	16.38	Feb. 20	15.41	Dec. 16	15.04	Sept. 11	15.46
May 23	16.44	Apr. 7	14.78	Jan. 29, 1974	15.21	Oct. 1	15.68
July 11	14.72	May 31	15.95	Mar. 12	15.24	Dec. 10	15.75
Aug. 23	14.76	July 11	15.87				

Milwaukee County

42513088614301. Local number M1-6/21 32-148. Milwaukee County. Drilled unused water-table well in Niagara Fallsite of Silurian age, diam 5 in (12 cm), depth 180 ft (55 m), cased to 43 ft (13 m). Lsd 774 ft (236 m) above msl. MF 1 1/2-in (38-mm) pipe, at lsd. Highest water level 28.44 ft (7.75 m) below lsd, Aug. 23, 1953; lowest 40.03 ft (12.20 m) below lsd, Aug. 23, 1971. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1972	36.91	Nov. 21, 1972	31.61	Aug. 4, 1973	32.44	May 16, 1974	29.44
Feb. 29	36.59	Dec. 14	32.41	Sept. 20	33.53	June 10	29.60
Mar. 29	36.21	Jan. 14, 1973	31.52	Oct. 11	33.79	July 19	30.20
Apr. 26	35.54	Mar. 2	31.34	Nov. 21	34.21	Aug. 6	31.34
May 25	35.15	Apr. 23	31.02	Dec. 16	33.23	Sept. 11	31.34
June 25	32.79	Apr. 26	29.51	Jan. 18, 1974	33.61	Oct. 18	32.40
July 25	32.69	May 17	28.23	Feb. 12	33.43	Nov. 4	34.25
Aug. 19	33.28	June 21	29.44	Mar. 29	32.98	Dec. 26	34.58
Sept. 14	32.22	July 10	30.16	Apr. 19	32.16	Dec. 29	34.87
Oct. 11	30.71						

434308754581. Local number M1-12 17-120. Lower West Ohio Co. North Fifth and Bailey Sts., Milwaukee. Drilled unused artesian well in Niagara Dolomite of Silurian age, diam 10 in (25 cm), reported depth 400 ft (122 m), cased to 115 ft (36 m). Lsd 685 ft (209 m) above msl. MF top of concrete, 3.75 ft (1.20 m) below lsd. Highest water level 77.13 ft (23.51 m) below lsd, Dec. 16, 1974; lowest 107.55 ft (32.60 m) below lsd, Feb. 25, 1964. Records available: 1946-49, 1951-74. Water levels affected by regional pumping.

Lower water level for two days, from recorder stopped, 1971.

Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
5	66.88	66.77	64.45	66.35	68.58	69.11	69.56	66.97	66.48	67.67	67.20	67.60
10	66.38	66.46	64.75	66.64	68.27	69.75	68.62	66.84	66.77	67.82	67.71	68.01
15	66.52	66.21	64.77	68.05	68.14	69.42	68.62	66.44	66.59	67.91	67.64	67.87
20	69.79	66.64	64.29	68.51	68.59	69.41	68.42	66.79	67.18	68.06	67.22	67.53
25	69.77	66.44	65.22	68.58	68.97	68.58	68.35	66.54	67.32	67.78	67.43	67.72
31	69.16	66.24	66.61	68.31	68.72	68.65	67.14	66.64	67.47	67.85	67.61	67.39

43041087545F01--Continued.

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	87.86	87.11	87.28	86.90	87.54	87.25	86.67	86.82	85.79	85.74	84.99	84.30
10	87.70	87.53	87.26	86.85	87.55	87.67	87.93	86.45	85.57	85.14	84.04	83.70
15	87.44	87.46	86.89	87.22	87.51	87.95	87.67	86.9	85.41	85.19	84.39	83.67
20	87.45	87.4	87.11	87.3	87.21	88.06	87.97	86.31	85.4	85.11	84.34	83.55
25	87.30	87.42	87.08	87.27	87.36	88.35	87.15	86.24	85.59	84.50	83.51	82.19
End	87.27	87.41	87.15	87.20	87.41	88.35	86.32	86.07	85.5	84.40	84.15	82.43

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	83.10	82.11	81.62	80.56	80.06	79.52	79.58	79.77	79.77	79.15	78.13	78.31
10	82.32	81.34	80.30	80.05	79.54	79.26	79.45	79.70	79.26	78.67	78.30	77.68
15	82.32	81.34	80.30	80.05	79.54	79.26	79.45	79.70	79.26	78.67	78.30	77.68
20	82.45	81.62	81.45	80.5	79.5	79.5	79.5	79.5	79.5	78.9	77.9	77.45
25	82.44	81.74	81.11	80.32	79.73	79.5	79.70	79.69	79.25	78.6	78.26	77.64
End	82.16	81.34	80.42	80.06	79.40	79.5	79.60	79.61	79.27	78.37	78.15	77.64

430058087545201. Local number M1-8/22/2-469. Lloyter Corp. Milwaukee. Irilled unlined water-table (previously reported artesian) well in Niagara Dolomite of Silurian age, diam 6 in (20 cm), depth 355 ft (108 m), cased to 195 ft (58 m). Mud c. 1 ft (10 cm) above ms1. ME 3 4-in (1.9-cm) bushing in pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 37.50 ft (11.40 m) below lsd, Apr. 16, 1974; lowest 81.61 ft (24.94 m) below lsd, Oct. 15, 1963. Rec ris available: 1962-74. Water levels selected by regional gaging.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1972	45.80	Oct. 13, 1971	40.38	July 15, 1971	42.42	Apr. 18, 1974	37.50
Feb. 26	44.61	Nov. 21	41.75	Aug. 4	42.45	May 17	38.19
Mar. 28	44.30	Dec. 15	41.67	Sept. 20	42.39	June 21	38.71
Apr. 25	43.91	Jan. 18, 1973	41.27	Oct. 12	42.74	July 16	42.44
May 25	45.27	Mar. 5	42.38	Nov. 20	43.60	Aug. 6	40.71
June 23	44.11	Apr. 23	40.89	Dec. 12	40.62	Sept. 13	42.38
July 10	44.68	Apr. 19	40.29	Jan. 17, 1974	40.56	Oct. 17	43.40
Aug. 10	42.31	May 18	40.25	Feb. 12	42.73	Nov. 26	40.28
Sept. 14	42.03	June 21	39.42	Mar. 28	40.63	Dec. 27	40.62

Monroe County

424342094495601. Local number Mc-15/44/34-1. Joseph Anderson. Irilled unlined water-table well in sandstone of Cambrian age, diam 5 in (12 cm), depth 44 ft (13 m), casing information not available. Lsd 1,300 ft (395 m) above ms1. ME top of casing, 6.50 ft (0.15 m) above lsd. Highest water level 5.00 ft (1.50 m) below lsd, June 16, 1952; lowest 18.23 ft (5.56 m) below lsd, Mar. 27, 1959. Records available: 1934-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2, 1972	4.38	Nov. 5, 1972	7.30	Oct. 7, 1973	5.83	Feb. 16, 1974	6.30
Mar. 8	10.72	Dec. 14	7.60	Nov. 2	6.08	May 12	7.30
Apr. 26	6.70	Jan. 20, 1973	6.77	Dec. 2	6.05	Sept. 7	6.25
June 1	6.69	Apr. 25	5.50	Jan. 6, 1974	6.20	Nov. 17	6.52
Aug. 23	6.92						

4400204390161. Local number Mc-16/24/29-17. U.S. Army. Rang McCoy. Irilled unlined artesian well in sandstone of Cambrian age, diam 2 in (50 mm), depth 152 ft (53 m), cased to 109 ft (33 m). Lsd 909 ft (277 m) above ms1. ME top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 0.43 ft (0.13 m) below lsd, May 3, 1973; lowest 6.72 ft (2.05 m) below lsd, Apr. 2, 1968. Records available: 1949-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.17	5.31	5.16	5.14	4.70	5.20	5.72	5.15	4.36	2.61	1.97	....
10	5.14	5.87	5.21	5.11	4.72	5.30	5.78	5.14	4.63	1.32	1.15	....
15	5.52	5.34	5.21	5.01	4.75	5.38	5.84	5.29	4.10	2.30	1.42	....
20	5.59	5.99	5.50	4.66	4.86	5.46	5.61	5.14	2.81	2.55	2.65	....
25	5.68	6.02	5.15	4.82	5.04	5.54	5.44	4.52	3.41	1.99	....	....
End	5.76	6.11	5.13	4.79	5.15	5.60	5.05	4.54	1.41	2.25	....	....

1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	2.71	3.43	3.65	2.37	0.75	2.37	1.61	....	2.52	2.61	3.64	2.70
10	2.85	3.61	3.23	2.77	0.75	2.31	2.12	....	2.76	2.49	2.64	2.83
15	3.24	3.13	2.32	2.64	1.92	1.28	2.43	....	2.43	1.15	1.71	3.24
20	3.10	3.41	1.10	1.92	1.15	1.3	2.70	....	2.11	1.30	3.02	4.14
25	3.27	3.64	1.29	1.15	1.96	4.51	1.91	....	2.23	1.46	2.51	4.12
End	3.09	3.73	1.56	1.16	1.77	4.70	1.25	2.44	2.96	1.50	3.60	3.32

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.24	4.60	3.41	2.73	2.25	....	....	4.13	4.77	....	....	....
10	3.62	4.70	2.77	2.64	2.25	....	....	4.23	4.34	....	....	....
15	3.87	4.05	2.25	2.61	2.90	2.02	....	4.32	4.45	....	....	....
20	4.12	4.88	3.20	3.51	....	....	....	4.44	....	....	....	5.20
25	4.31	4.27	3.45	2.65	....	....	....	4.73	4.51	....	....	5.94
End	4.42	5.04	3.22	2.39	....	....	....	4.94	....	....	....	6.32

Oconto County

445054088025201. Local number Oc-27/20/3-20. Wisconsin Dept. of Transportation. Drilled domestic water-table well in dolomite of Prairie du Chien Group of Early Ordovician age, diam 6 in (15 cm), depth 100 ft (30 m), cased to 48 ft (27 m). Lsd 640 ft (195 m) above msl. MP 4-in (Q.64-cm) hole in pumpbase, 2.02 ft (0.61 m) above lsd. Highest water level 8.07 ft (2.48 m) below lsd, June 20, 1969; lowest 10.46 ft (3.19 m) below lsd, Feb. 26, 1970. Records available: 1969-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21, 1968	8.90	July 28, 1969	8.75	Sept. 2, 1971	9.41	Apr. 17, 1973	8.85
Mar. 5	8.92	Aug. 21	9.16	Nov. 16	9.56	May 29	8.58
Apr. 9	8.89	Sept. 18	9.39	Feb. 6, 1972	9.72	July 31	9.18
June 4	8.34	Oct. 20	9.49	Feb. 24	10.03	Sept. 13	9.56
July 11	8.30	Dec. 29	9.57	Mar. 23	10.15	Oct. 11	9.85
Aug. 27	9.24	Jan. 27, 1970	9.60	May 24	9.17	Nov. 15	9.45
Sept. 25	9.12	Feb. 26	10.46	June 19	9.36	Jan. 9, 1974	9.43
Oct. 29	8.66	Mar. 26	9.52	July 10	9.55	Feb. 26	9.48
Dec. 4	9.10	Apr. 28	9.24	Aug. 23	9.48	Apr. 15	9.23
Jan. 7, 1969	9.11	July 17	9.69	Nov. 14	9.35	June 14	9.34
Feb. 26	9.32	Aug. 26	10.38	Dec. 5	9.35	Aug. 7	9.65
Mar. 19	9.33	Dec. 29	9.38	Feb. 10, 1973	9.81	Oct. 1	9.80
Apr. 16	8.84	Mar. 29, 1971	9.30	Feb. 6	9.46	Nov. 6	9.70
May 26	8.42	Apr. 27	9.20	Mar. 8	9.35	Dec. 30	9.70
June 20	8.07	June 10	9.19	29	8.98		

Oneida County

454026089425301. Local number On-37/6/27-23. U.S. Geol. Survey. Driven observation water-table well in sand of Eilatocene age, diam 1 1/2 in (3.2 cm), depth 37 ft (11 m), cased to 35 ft (11 m), well point 35-37 ft (10.7-11.3 m). Lsd 1,529 ft (466 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 26.35 ft (8.03 m) below lsd, July 22, 1973; lowest 33.67 ft (10.26 m) below lsd, Apr. 5, 1965. Records available: 1944-74. Water-level measurements reported in the following table are monthly lows.

Jan. 30, 1972	30.15	Oct. 15, 1972	29.12	July 1, 1973	26.40	Apr. 28, 1974	29.02
Feb. 27	30.32	Nov. 5	29.03	Aug. 26	26.62	May 19	29.02
Mar. 26	30.50	Dec. 3	28.86	Sept. 30	26.98	June 3	29.05
Apr. 10	30.55	Jan. 21, 1973	28.88	Oct. 20	27.20	July 28	28.86
May 7	29.93	Feb. 4	29.25	Nov. 23	27.45	Aug. 25	28.88
June 5	29.40	Mar. 21	29.27	Dec. 23	27.80	Sept. 30	29.01
July 3	29.24	Apr. 1	28.76	Jan. 27, 1974	28.08	Oct. 29	29.13
Aug. 6	29.20	May 7	28.15	Feb. 26	28.38	Nov. 24	29.30
Sept. 22	29.34	June 4	26.97	Mar. 31	28.70	Dec. 29	29.40

Outagamie County

441734088251101. Local number Ou-21/17/15-29. Highland Memorial Park. Drilled irrigation artesian well in sandstone of Cambrian age, diam 10 in (25 cm), reported depth 300 ft (91 m), casing information not available. Lsd 839 ft (256 m) above msl. MP top of breather hole, 2.00 ft (0.61 m) above lsd. Highest water level 54.84 ft (16.72 m) below lsd, Oct. 24, 1955; lowest 63.54 ft (19.37 m) below lsd, Feb. 7, 1967. Records available: 1951-74.

July 27, 1951	56.96	Nov. 7, 1958	58.58	Jan. 10, 1967	63.34	Jan. 28, 1970	60.36
Sept. 21	57.36	Apr. 9, 1959	60.05	Feb. 7	63.54	Mar. 24	60.11
Feb. 8, 1952	56.16	July 8	59.10	Mar. 7	63.49	Apr. 20	59.48
Apr. 17	59.64	Oct. 7	59.44	Apr. 11	62.81	May 26	58.98
June 13	55.83	Dec. 10	57.75	May 17	61.64	June 22	59.21
Aug. 14	55.33	Feb. 3, 1960	57.26	June 12	61.25	July 20	60.82
Oct. 10	57.31	May 5	57.13	July 17	60.59	Aug. 24	61.85
Dec. 5	57.18	Aug. 2	57.40	Aug. 15	61.46	Sept. 22	61.24
Jan. 29, 1953	57.43	Nov. 6	57.17	Sept. 19	61.93	Oct. 21	61.12
Apr. 9	56.20	Mar. 8, 1961	57.63	Oct. 17	62.39	Nov. 20	60.10
June 5	54.88	May 5	57.35	Nov. 14	61.48	Dec. 29	59.36
Aug. 7	56.81	Aug. 3	58.44	Dec. 19	61.19	Jan. 29, 1971	59.28
Oct. 16	56.30	Nov. 9	56.58	Jan. 16, 1968	61.10	Feb. 23	59.40
Jan. 8, 1954	58.14	Feb. 9, 1962	56.97	Feb. 20	61.34	Mar. 22	58.69
Mar. 4	58.61	May 11	55.98	Mar. 26	61.89	Apr. 29	57.67
May 5	57.78	Aug. 3	56.62	Apr. 16	61.53	May 21	57.41
July 8	57.50	Nov. 2	56.82	May 20	60.25	June 21	59.08
Sept. 10	58.04	Feb. 8, 1963	58.09	June 17	60.50	July 19	60.49
Nov. 18	55.69	May 3	57.75	July 23	60.15	Aug. 23	60.94
Mar. 16, 1955	57.10	Aug. 9	58.41	Aug. 20	59.94	Sept. 21	61.09
June 21	61.11	Nov. 8	59.95	Sept. 19	60.41	Oct. 22	61.33
Sept. 1	57.70	Feb. 7, 1964	59.91	Oct. 21	60.12	Nov. 19	59.89
Oct. 24	54.84	May 8	58.47	Nov. 19	60.54	Dec. 15	59.38
Jan. 11, 1956	58.82	Aug. 7	61.78	Dec. 17	61.14	Jan. 21, 1972	58.14
Apr. 19	59.13	Nov. 6	61.66	Jan. 21, 1969	61.16	Feb. 22	59.11
May 24	58.58	Feb. 5, 1965	62.06	Feb. 24	61.02	Mar. 23	59.30
July 26	57.92	May 7	60.75	Mar. 25	59.98	Apr. 21	59.03
Sept. 26	57.53	Aug. 6	61.57	Apr. 22	58.96	May 19	57.83
Nov. 29	57.40	Nov. 10	60.44	May 19	59.43	June 16	58.89
Feb. 14, 1957	58.07	Feb. 4, 1966	59.27	June 16	59.06	July 21	61.18
May 15	57.17	Apr. 8	58.49	July 21	58.74	Aug. 18	60.36
Aug. 14	57.54	June 3	57.77	Aug. 26	59.03	Sept. 22	59.47
Nov. 7	58.12	Aug. 4	61.91	Sept. 23	60.47	Oct. 20	57.49
Mar. 6, 1958	58.28	Oct. 4	62.46	Oct. 27	60.30	Nov. 17	56.68
May 21	56.73	Nov. 8	63.03	Nov. 24	60.59	Dec. 22	57.08
Aug. 7	57.93	Dec. 13	63.39	Dec. 15	60.68	Jan. 29, 1973	56.69

441734088251101--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28, 1973	57.19	Aug. 17, 1973	58.38	Feb. 28, 1974	59.10	Aug. 30, 1974	59.62
Mar. 30	56.61	Sept. 28	60.22	Mar. 22	58.26	Sept. 27	59.74
Apr. 27	56.18	Oct. 19	59.98	Apr. 26	57.51	Oct. 25	60.84
May 25	56.22	Nov. 16	59.70	May 24	57.64	Nov. 22	60.56
June 28	56.48	Dec. 21	58.87	June 28	56.99	Dec. 19	60.10
July 20	57.97	Jan. 25, 1974	58.75	July 26	57.66		

Polk County

453013092314601. Local number Pk-35/174/8-40. Village of Milltown. Drilled unused water-table well in deposits of Pleistocene age, diam 5 in (13 cm), depth 52 ft (16 m), casing information not available. Lsd 1,250 ft (381 m) above msl. MP hole in pumpbase, at lsd. Highest water level 31.10 ft (9.48 m) below lsd, May 14, 1973; lowest 41.38 ft (12.61 m) below lsd, July 22, 1959. Records available: 1957-74.

Jan. 3, 1972	32.65	Oct. 11, 1972	31.49	June 20, 1973	31.74	Apr. 1, 1974	34.25
Feb. 18	32.91	Nov. 16	31.13	July 9	31.64	May 7	32.94
Mar. 31	33.09	Jan. 2, 1973	31.99	Aug. 14	31.75	June 7	32.86
May 13	33.03	Feb. 1	31.72	Sept. 24	31.89	July 23	32.87
June 27	32.98	Mar. 30	31.93	Dec. 12	32.01	Sept. 9	32.84
Aug. 2	32.16	Apr. 13	31.52	Jan. 7, 1974	32.36	Oct. 11	32.96
Sept. 5	31.52	May 14	31.10	Feb. 14	33.69	Nov. 20	33.24

Portage County

442100089384901. 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 (3.2 cm), depth 11 ft (3 m), cased to 9 ft (3 m), well point 9-11 ft (2.7-3.4 m). Lsd 1,054 ft (321 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 0.99 ft (0.30 m) below lsd, Apr. 9, 1951; lowest 5.43 ft (1.96 m) below lsd, Sept. 4, 1974. Records available: 1950-74.

Jan. 20, 1972	4.38	Oct. 18, 1972	3.55	June 5, 1973	1.86	Apr. 16, 1974	1.91
Feb. 15	5.03	Nov. 9	3.10	July 17	4.62	May 31	3.21
Mar. 15	5.16	Dec. 20	4.06	Aug. 28	5.02	July 2	4.77
Apr. 11	3.41	Jan. 29, 1973	3.69	Oct. 3	6.05	Sept. 4	6.43
May 18	3.62	Mar. 6	3.64	Nov. 5	4.92	Oct. 2	5.09
June 27	4.81	Apr. 11	2.39	Jan. 15, 1974	4.51	Nov. 4	5.04
Aug. 2	4.89	May 10	1.49	Mar. 12	3.33	Dec. 12	4.97
Sept. 14	4.17						

443127059174101. Local number Pt-24/10/28-15. Lawrence Krogwold. Driven unused water-table well in sand of Pleistocene age, diam 2 in (5.1 cm), depth 52 ft (16 m), cased to 50 ft (15 m), screened 50-52 ft (15-16 m). Lsd 1,133 ft (345 m) above msl. MP rim of casing, 1.50 ft (0.46 m) above lsd. Highest water level 28.50 ft (8.69 m) below lsd, Aug. 4, 1973; lowest 38.81 ft (11.83 m) below lsd, Nov. 12, 1959. Records available: 1950-74.

Jan. 22, 1972	32.95	Oct. 14, 1972	32.79	July 7, 1973	28.72	Apr. 13, 1974	29.86
Feb. 19	33.04	Nov. 11	32.61	Aug. 4	28.50	May 11	29.78
Mar. 18	33.15	Dec. 9	32.22	Sept. 29	28.68	June 22	29.74
Apr. 15	33.18	Jan. 20, 1973	32.17	Oct. 27	28.84	July 20	29.78
May 13	32.79	Feb. 17	32.14	Nov. 24	29.02	Aug. 31	29.91
June 10	32.70	Mar. 3	32.14	Dec. 22	29.20	Sept. 28	30.01
July 22	32.71	Apr. 14	30.97	Jan. 19, 1974	29.42	Oct. 26	30.14
Aug. 19	32.77	May 12	30.66	Feb. 16	29.66	Nov. 23	30.34
Sept. 30	32.63	June 9	29.61	Mar. 30	29.84	Dec. 21	30.48

Price County

455548090263401. Local number Pr-40/1W/24-6. Wisconsin Dept. of Natural Resources. Formerly Wisconsin Conservation Dept. Jetted unused water-table well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 13 ft (4 m), cased to 13 ft (4 m). Lsd 1,510 ft (460 m) above msl. MP top of casing, 5.00 ft (1.52 m) above lsd. Highest water level 0.41 ft (0.12 m) above lsd, June 29, 1946; lowest 5.67 ft (1.73 m) below lsd, Oct. 31, 1948. Records available: 1937-74. Water-level measurements reported in the following table are monthly lows.

Jan. 30, 1972	3.10	Nov. 18, 1972	0.67	Sept. 21, 1973	2.30	May 31, 1974	1.70
Feb. 19	3.30	Dec. 16	1.46	Oct. 25	1.84	June 21	1.80
Mar. 4	3.26	Jan. 12, 1973	1.40	Nov. 10	2.20	July 19	2.20
Apr. 1	1.19	Feb. 23	2.70	Dec. 26	2.66	Aug. 23	2.90
May 13	.96	Mar. 2	2.00	Jan. 18, 1974	3.20	Sept. 27	2.30
June 10	1.88	Apr. 28	.81	Feb. 22	3.17	Oct. 4	2.34
July 22	1.72	June 9	.95	Mar. 1	3.16	Nov. 8	1.99
Aug. 6	1.53	July 6	1.90	Apr. 5	1.20	Dec. 27	2.92
Oct. 28	.75	Aug. 10	1.90				

Racine County

44401067540301. Local number 4a-3/22/21-5. Chicago, Milwaukee, St. Paul & Pacific R.R. Co. Drilled unused artesian well in sandstone of Cambrian age and St. Peter Sandstone of Middle Ordovician age, diam 4 in (10 cm), reported depth 1,376 ft (355 m), cased to 526 ft (179 m), 10-in (25-cm) liner 976-1,033 ft (297-330 m), Lsd 730 ft (233 m) above lsd, MF top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 109.03 ft (33.23 m) below lsd, July 29, 1946; lowest 233.26 ft (71.12 m) below lsd, Oct. 4, 1974. Records available: 1946-74. Water levels affected by regional pumping.

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
Feb. 16, 1974	123.41	Nov. 1, 1971	230.50	July 10, 1973	235.48	May 2, 1974	232.20
Mar. 28	231.02	Dec. 21	239.51	Aug. 21	236.04	June 11	232.89
May 16	207.88	Feb. 1, 1973	231.85	Oct. 3	249.02	July 19	224.32
Nov. 26	214.66	Mar. 21	216.72	Nov. 20	219.78	Aug. 19	229.91
Aug. 10	220.10	Apr. 27	217.36	Jan. 17, 1974	221.20	Oct. 4	233.26
Sept. 29	247.20	May 30	215.50	Mar. 21	222.25	Nov. 29	232.20

Richland County

431340090213201. Local number 81-10 1/26-23. Koch Tractor, Inc. Drilled domestic artesian well in sandstone of Cambrian age, diam 4 in (10 cm), reported depth 160 ft (49 m), cased to 135 ft (41 m). Lsd 735 ft (221 m) above msl. MF top of 1-in (2.5-cm) breather pipe, 1.00 ft (0.30 m) above lsd. Highest water level 9.11 ft (2.78 m) below lsd, May 22, 1973; lowest 15.51 ft (4.73 m) below lsd, Feb. 13, 1970. Records available: 1965-74.

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
Feb. 13, 1965	15.46	Jan. 15, 1968	15.42	Dec. 15, 1969	13.85	Nov. 15, 1972	12.16
Mar. 11	15.10	Feb. 7	14.20	Feb. 12, 1970	15.51	Feb. 22	12.53
June 3	15.21	Mar. 25	14.05	Mar. 17	14.01	Feb. 11, 1973	12.30
Sept. 24	13.98	Apr. 30	14.22	Apr. 20	15.83	Mar. 11	11.41
Dec. 1	13.76	May 27	14.15	June 4	13.25	May 22	9.11
Mar. 15, 1966	13.74	June 1	13.56	July 20	13.79	June 35	9.90
May 18	13.49	Aug. 19	13.88	Aug. 24	14.67	Aug. 29	11.22
July 26	13.38	Sept. 17	13.30	Oct. 5	14.02	Oct. 1	11.40
Nov. 17	14.64	Oct. 30	14.05	Jan. 5, 1971	14.06	Nov. 5	11.46
Dec. 13	14.73	Dec. 10	14.24	Mar. 23	12.72	Dec. 31	12.86
Jan. 16, 1967	14.64	Jan. 8, 1969	14.20	June 7	13.30	Feb. 1, 1974	12.49
Feb. 10	14.98	Feb. 17	14.24	Sept. 26	13.39	Mar. 15	11.15
May 3	14.79	Apr. 1	13.07	Feb. 9, 1972	12.78	Apr. 11	12.25
June 12	14.59	May 29	13.00	Mar. 9	12.27	June 10	11.90
July 17	14.36	June 10	13.59	Apr. 26	12.24	Aug. 12	12.67
Aug. 29	14.95	July 10	12.74	June 1	11.46	Sept. 4	12.84
Sept. 19	14.77	Aug. 12	13.00	July 7	14.34	Nov. 12	13.19
Nov. 13	14.76	Sept. 11	13.47	Aug. 25	12.32	Dec. 16	13.31
Dec. 15	14.70	Nov. 11	14.11	Oct. 10	12.55		

Rock County

423956039103301. Local number 8a-12 3-3. 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 (25 cm), reported depth 470 ft (143 m), cased to 113 ft (34 m). Lsd 824 ft (251 m) above msl. MF top of 1-in (2.5-cm) hole in cap of casing, 1.50 ft (0.46 m) above lsd. Highest water level 49.88 ft (15.20 m) below lsd, July 22, 1974; lowest 59.43 ft (18.11 m) below lsd, Aug. 5, 1970. Records available: 1947-74.

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
Feb. 19, 1972	55.35	Dec. 20, 1973	53.15	Oct. 4, 1975	51.23	June 12, 1974	49.91
Mar. 28	55.20	Jan. 30, 1975	52.64	Nov. 17	51.31	July 12	49.88
May 15	54.38	Mar. 9	52.35	Jan. 15, 1974	51.06	Aug. 21	50.17
June 5	54.45	Apr. 26	51.45	Mar. 25	50.48	Sept. 26	50.14
Sept. 24	53.09	May 31	50.79	Apr. 29	49.98	Nov. 6	50.55
Nov. 3	53.16	Aug. 23	52.44				

Rusk County

425113031115701. Local number 8a-32/dw/21-37. Tony Shydowski. Drilled domestic and stock water-tube well in sand and gravel of Pleistocene age, diam 4 in (10 cm), reported depth 77 ft (22 m), cased to 27 ft (8 m). Lsd 1,095 ft (331 m) above msl. MF top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 19.36 ft (5.91 m) below lsd, May 18, 1966; lowest 14.40 ft (4.41 m) below lsd, Dec. 5, 1967, Mar. 16, 1971. Records available: 1956-74.

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
Jan. 10, 1972	12.67	Oct. 9, 1972	12.78	Apr. 14, 1973	12.96	May 7, 1974	12.47
Feb. 25	12.41	Feb. 13, 1973	12.29	Sept. 28	12.77	June 13	11.66
Apr. 4	12.56	Apr. 3	11.39	Nov. 1	12.92	July 26	13.59
May 18	13.07	Apr. 13	12.32	Jan. 9, 1974	12.71	Sept. 13	13.80
July 5	13.04	May 21	12.72	Feb. 13	12.30	Oct. 10	14.12
Aug. 4	12.29	June 21	12.40	Apr. 5	12.62	Nov. 22	13.59
Sept. 6	12.29						

4531704042101. Local number 34-35/3W/14-55. Hawkins Cemetery. Drilled public-supply water-table well in sand and clay of Pleistocene age, diam 6 in (15 cm), depth 35 ft (10 m), casing information not available. Lsd 1,350 ft (411 m) above msl. MF top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 11.20 ft (3.4 m) below lsd, Apr. 1, 1972; lowest 0.7 ft (0.21 m) below lsd, Apr. 15, 1962. Records available: 1957-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1970	13.06	Oct. 15, 1972	12.09	Aug. 24, 1973	14.42	May 13, 1974	15.37
Mar. 1	16.42	Nov. 27	14.73	Oct. 1	14.37	June 30	16.18
Apr. 17	11.10	Jan. 9, 1973	14.25	Oct. 31	16.60	July 26	16.56
May 29	12.26	Feb. 24	14.17	Jan. 12, 1974	17.47	Sept. 6	16.66
July 5	15.28	Apr. 5	14.92	Feb. 3	15.24	Oct. 5	17.14
28	15.41	May 25	14.15	Apr. 1	17.84	Oct. 1	16.50
Sept. 6	14.54	July 11	12.76				

St. Croix County

4505120922201. Local number 30-31.15W/24-44. Union Veterinary Hospital. Drilled domestic artesian well in sandstone of Ordovician age, diam 4 in (10 cm), depth 73 ft (22 m), cased to 10 ft (3 m). Lsd 1,059 ft (323 m) above msl. MF top of casing, 1.90 ft (0.58 m) above lsd. Highest water level 28.29 ft (8.62 m) below lsd, Sept. 24, 1973; lowest 6.04 ft (1.83 m) below lsd, Sept. 13, 1961. Records available: 1957-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1972	31.47	Oct. 11, 1970	32.40	June 20, 1973	30.58	Apr. 1, 1974	32.07
Mar. 1	31.39	Nov. 15	31.47	July 9	31.14	May 31	32.1
3	31.37	Jan. 9, 1972	32.50	Aug. 14	34.30	June 7	32.02
May 28	31.29	Feb. 5	31.42	Sept. 24	31.29	Sept. 2	32.32
June 25	31.27	Mar. 30	31.29	Nov. 2	31.51	Oct. 16	32.40
Aug. 9	31.40	Apr. 13	31.22	Jan. 7, 1974	31.30	Nov. 20	32.57
Sept. 5	31.42	May 14	31.26	Feb. 14	32.07		

Sawyer County

43201099460101. Local number 38-10/6/5-1. Barker Army Ammunition Plant. Drilled unused artesian well in sandstone of Cambrian age, diam 16 in (41 cm), depth 426 ft (130 m), cased to 105 ft (32 m). Lsd 965 ft (294 m) above msl. MF top of casing, 1.43 ft (0.44 m) above lsd. Highest water level 56.45 ft (17.32 m) below lsd, May 20, 1953; lowest 9.25 ft (28.4 m) below lsd, June 4, 1964. Records available: 1946-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	65.43	65.89	65.92	65.55	64.82	65.56	65.21	65.73	65.52	65.10	64.51	65.73
10	65.12	65.11	65.94	65.54	65.26	66.17	64.66	65.82	65.85	65.09	64.59	66.01
15	66.54	65.65	65.41	65.03	64.73	65.72	64.41	65.34	65.15	65.12	64.32	65.79
20	65.66	66.13	65.22	65.11	65.69	65.69	64.46	66.11	65.1	65.14	64.32	65.14
25	65.16	65.72	65.45	65.23	67.10	67.06	64.41	65.76	65.34	64.32	64.47	65.05
Exam	65.82	65.32	65.55	64.89	65.77	67.12	64.51	65.4	65.27	64.81	65.06	66.39

1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	66.20	65.26	64.88	64.17	61.58	61.60	62.72	62.42	62.22	61.6	61.64	61.38
10	66.14	65.79	64.71	64.72	61.28	62.56	62.65	62.56	62.33	61.59	62.1	62.12
15	65.65	65.60	64.02	64.33	62.33	62.33	62.20	62.59	62.04	61.24	61.12	62.42
20	65.1	65.41	64.65	63.27	63.19	61.38	62.44	62.53	62.79	61.1	61.17	62.38
25	65.15	65.55	64.21	62.80	62.14	62.27	62.27	62.25	61.79	61.25	61.06	61.3
Exam	65.36	65.21	64.21	65.62	61.96	62.06	62.72	62.44	61.64	61.06	61.25	62.74

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	62.66	62.78	62.05	62.06	61.52	62.03	.....	62.15	61.21	61.90	61.10	62.52
10	62.72	62.62	62.30	61.95	61.52	61.65	.....	62.33	61.75	61.75	62.94	62.85
15	62.30	62.66	61.65	61.80	61.56	.....	.....	62.32	61.94	61.81	62.32	62.46
20	61.92	62.11	62.08	61.85	61.56	.....	.....	61.93	61.94	61.81	62.32	62.46
25	61.84	62.09	62.07	61.53	61.69	.....	62.35	61.77	61.80	62.09	62.32	62.57
Exam	62.37	62.25	62.05	61.90	61.55	.....	61.50	61.66	61.47	61.93	62.41	62.55

Chauvin County

442070711401. Local number 38-26/15/20-1. Barry Chevrolet. Drilled unused water-table well in dolomite of Prairie du Chien Group of Early Ordovician age, diam 4 in (10 cm), depth 11 ft (4 m), casing information not available. Lsd 217 ft (66 m) above msl. MF top of pumpbase, 1.10 ft (0.33 m) above lsd. Highest water level 23.02 ft (7.02 m) below lsd, Apr. 25, 1972; lowest 24.02 ft (7.32 m) below lsd, Jan. 12, 1972. Records available: 1972-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1972	.....	Oct. 1, 1972	56.86	Jan. 19, 1973	55.59	Oct. 31, 1973	56.1
Feb. 24	58.11	Nov. 21	55.6	Apr. 15	55.99	May 31	56.1
Mar. 11	58.31	Dec. 21	56.16	Sept. 27	55.60	June 27	54.76
Apr. 20	57.56	Jan. 1, 1973	54.32	Oct. 1	57.34	July 25	55.3
May 1	55.04	Mar. 1, 1973	55.4	Nov. 15	56.4	Aug. 22	56.1
June 15	57.55		55.4	Dec. 16	56.4	Sept. 25	56.3
July 19	57.37	Apr. 28	55.36	Jan. 1, 1974	56.4	Oct. 1	56.1
Aug. 17	58.33	May 14	55.2	Feb. 1	56.71	Nov. 10	56.2
Sept. 21	58.30	June 27	55.3	Mar. 1	56.1	Dec. 10	56.20

Taylor County

450947090483901. Local number Ta-31/4W/13-1. Village of Gilman. Drilled unused water-table well in drift of Pleistocene age, diam 18 to 16 in (46 to 41 cm), depth 26 ft (8 m), cased to 16 ft (5 m), screened 16-26 ft (5-8 m). Lsd 1,200 ft (366 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 4.00 ft (1.22 m) below lsd, Mar. 15, 1973; lowest 13.11 ft (4.00 m) below lsd, Oct. 15 1959. Records available: 1957-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.37	9.43	9.34	8.55	8.35	9.83	10.09	9.59	9.10	....	8.04	....
10	9.41	9.43	9.40	8.49	8.88	10.00	10.10	9.27	9.36	8.15	7.95	....
15	9.39	9.54	9.29	7.02	9.12	10.00	9.87	9.28	9.53	8.69	8.49	....
20	9.35	9.48	8.48	5.58	9.35	10.02	9.68	9.20	8.36	9.05	8.94	....
25	9.29	9.53	7.99	6.85	9.60	10.09	....	8.35	7.40	8.35	9.15	....
Eom	....	9.46	8.28	8.00	9.72	10.04	9.42	9.05	7.37	8.80	9.20	....

1973

5	....	9.44	9.14	8.47	6.26	8.41	9.77	10.25	9.25	9.52	9.61	9.43
10	....	9.41	8.05	8.73	7.08	8.89	9.93	9.92	9.51	9.57	9.73	9.32
15	8.77	9.55	4.10	8.72	7.95	9.19	10.11	10.01	9.73	9.67	9.71	9.40
20	8.62	9.57	6.72	7.14	8.62	9.39	10.16	9.96	9.86	9.77	9.73	9.44
25	9.10	9.50	7.89	8.27	7.73	9.57	10.13	10.00	9.80	9.80	9.38	9.52
Eom	9.05	9.47	8.38	8.84	8.16	9.74	10.15	10.04	9.41	9.58	9.25	9.51

1974

5	9.51	....	8.96	8.62	8.86	9.39	9.65	9.85	10.26	10.06	9.70	9.69
10	9.51	....	8.36	7.31	8.68	7.38	9.83	9.85	10.14	10.00	9.72	9.75
15	9.55	9.72	8.73	6.30	7.88	7.89	9.92	9.92	9.85	10.00	9.47	9.77
20	9.72	9.75	8.99	7.75	8.55	8.76	10.03	9.71	9.91	10.03	9.49	9.75
25	9.66	9.61	9.33	8.25	9.07	9.26	....	9.86	10.01	9.98	9.55	9.76
Eom	9.66	9.65	9.39	8.74	9.16	9.44	10.02	10.16	10.02	9.91	9.60	9.86

451919090172401. Local number Ta-33/2/30-9. Wisconsin Dept. of Transportation. Formerly State of Wisconsin. Drilled domestic water-table well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 150 ft (49 m), cased to 155 ft (47 m). Lsd 1,591 ft (485 m) above msl. MP 4-in (0.64-cm) hole in pumpbase, 0.50 ft (0.15 m) above lsd. Highest water level 29.54 ft (9.00 m) below lsd, Aug. 8, 1968; lowest 34.32 ft (10.46 m) below lsd, Oct. 3, 1974. Records available: 1965-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1972	31.74	Oct. 19, 1972	30.76	July 13, 1973	32.69	May 10, 1974	34.20
Feb. 16	32.30	Nov. 15	30.20	Aug. 16	31.32	June 12	33.67
Mar. 13	32.54	Dec. 12	30.56	Oct. 1	31.26	July 30	31.46
May 22	30.97	Jan. 19, 1973	30.90	Nov. 2	31.32	Sept. 9	31.98
June 22	31.69	Mar. 20	30.55	Jan. 14, 1974	31.85	Oct. 3	34.32
July 10	32.14	Apr. 20	29.72	Mar. 6	32.29	Nov. 15	32.30
Aug. 17	32.82	May 31	30.06	Apr. 9	32.00	Dec. 18	32.45
Sept. 25	31.28	June 25	30.49				

Trempealeau County

440422091182901. Local number Tr-19/8W/35-1. Mrs. William Davidson. Drilled unused water-table well in sandstone of Cambrian age, diam 6 in (15 cm), depth 195 ft (59 m), casing information not available. Lsd 820 ft (250 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 133.18 ft (40.59 m) below lsd, Jan. 13, 1955; lowest 144.95 ft (44.18 m) below lsd, Oct. 27, 1966. Records available: 1947-74.

Jan. 5, 1972	139.08	Oct. 11, 1972	138.45	Aug. 30, 1973	137.30	May 8, 1974	136.35
Feb. 16	139.70	Nov. 14	138.18	Oct. 2	136.73	June 12	136.07
Mar. 15	140.88	Jan. 4, 1973	139.82	Nov. 15	136.47	July 25	137.15
Apr. 12	138.52	Feb. 15	138.24	Jan. 10, 1974	137.12	Sept. 9	134.33
May 24	139.58	Apr. 3	136.71	Feb. 21	134.45	Oct. 16	137.80
July 6	140.88	May 23	135.56	Apr. 3	135.48	Nov. 20	137.40
Aug. 22	140.60	June 28	135.39				

440414091270401. Local number Tr-19/9W/33-9. Village of Centerville. Drilled public-supply water-table well in drift of Pleistocene age, diam 6 in (15 cm), reported depth 71 ft (22 m), cased to 66 ft (20 m), screened 66-71 ft (20-22 m). Lsd 740 ft (226 m) above msl. MP top of breather pipe, at lsd. Highest water level 46.80 ft (14.26 m) below lsd, Sept. 9, 1974; lowest 57.11 ft (17.41 m) below lsd, Mar. 16, 1965. Records available: 1953-74. Water levels affected by pumping of nearby wells.

Jan. 5, 1972	40.93	Oct. 11, 1972	50.60	June 28, 1973	47.83	Apr. 3, 1974	47.30
Feb. 16	49.42	Nov. 14	51.42	Oct. 2	47.14	May 8	47.24
Mar. 15	49.55	Jan. 4, 1973	50.10	Nov. 16	46.95	June 12	47.26
May 24	49.73	Apr. 3	48.96	Jan. 10, 1974	47.49	Sept. 9	46.80
Aug. 22	50.56	May 23	47.63	Feb. 21	47.56		

Vernon County

435324090533301. Local number Ve-13/4W/31-41. City of Viroqua. Drilled unused artesian well in sandstone of Cambrian age, diam 10 in (25 cm), depth 507 ft (155 m), casing information not available. Lsd 1,260 ft (384 m) above msl. MP top of breather pipe, at lsd. Highest water level 98.68 ft (30.05 m) below lsd, Nov. 1, 1974; lowest 149.60 ft (45.60 m) below lsd, June 9, 1965. Records available: 1957-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 1, 1972	130.30	May 22, 1973	111.12	Nov. 5, 1973	103.03	Aug. 12, 1974	99.37
Aug. 24	122.80	July 2	107.38	Dec. 21	102.65	Sept. 5	99.14
Oct. 11	121.05	Aug. 30	104.11	Jan. 1974	105.43	Nov. 1	98.68
Nov. 15	119.05	Oct. 1	103.48	Apr. 19	102.38	Dec. 17	99.97
Feb. 16, 1973	116.28						

Vilas County

455814089130301. Local number Vi-40/10/10-21. U.S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 14 in (3.2 cm), depth 27 ft (8 m), cased to 25 ft (8 m), well point 25-27 ft (7.6-8.2 m). Lsd 1,640 ft (500 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 11.38 ft (3.47 m) below lsd, May 21, 1973; lowest 16.86 ft (5.14 m) below lsd, Mar. 21, 1949. Records available: 1944-74. Water-level measurements reported in the following table are monthly lows.

Jan. 24, 1972	14.66	Oct. 2, 1972	13.41	July 31, 1973	12.59	Apr. 8, 1974	14.51
Feb. 26	14.88	Nov. 6	13.00	Aug. 27	12.90	May 20	13.94
Mar. 28	15.05	Dec. 26	13.05	Sept. 24	13.16	June 3	14.01
Apr. 10	15.12	Jan. 29, 1973	13.38	Oct. 29	13.44	July 25	15.55
May 1	14.21	Feb. 26	13.62	Nov. 5	13.65	Aug. 5	14.00
June 26	13.64	Mar. 5	13.67	Dec. 24	13.87	Sept. 23	14.16
July 18	13.77	Apr. 16	12.44	Jan. 28, 1974	14.12	Oct. 39	14.34
Aug. 14	13.84	May 14	11.66	Feb. 26	14.35	Nov. 25	14.46
Sept. 25	13.55	June 25	12.05	Mar. 25	14.46	Dec. 24	14.49

Walworth County

423532088254601. 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 (25 to 20 cm), depth 820 ft (250 m), 10-in (25-cm) casing 0-214 ft (0-65 m), 8-in (20-cm) casing 214-227 ft (65-69 m). Lsd 860 ft (262 m) above msl. MP hole in east side of pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 129.48 ft (39.47 m) below lsd, Feb. 14, 1962; lowest 178.19 ft (54.31 m) below lsd, Sept. 17, 1970. Records available: 1962-74.

Feb. 8, 1971	170.22	Jan. 31, 1973	170.23	Aug. 22, 1973	174.20	Apr. 30, 1974	171.16
Mar. 30	168.79	Mar. 21	170.84	Oct. 2	174.55	July 15	173.73
Aug. 10	171.80	Apr. 27	170.26	Nov. 26	174.01	Aug. 14	173.98
Sept. 27	172.66	May 31	171.57	Jan. 16, 1974	172.76	Oct. 2	174.49
Nov. 9	171.03	July 11	172.75	Mar. 21	171.31	Nov. 29	175.30
Dec. 21	170.12						

Waukesha County

425535088131701. Local number Wk-5/19/2-31. William M. Foss. Drilled unused artesian well in Niagara Dolomite of Middle Silurian age, diam 6 in (15 cm), depth 508 ft (155 m), cased to 434 ft (132 m). Lsd 962 ft (293 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 126.28 ft (38.40 m) below lsd, June 10, 1974; lowest 138.14 ft (42.11 m) below lsd, Feb. 2, 1979. Records available: 1947-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	132.74	133.04	133.19	132.72	132.20	132.15	132.06	132.38	131.87	130.58	130.06	129.93
10	132.73	133.13	133.26	132.67	132.13	132.31	132.03	132.35	131.97	130.50	130.08	130.02
15	133.00	133.03	133.07	132.55	131.91	132.12	132.05	132.19	131.71	130.39	130.05	129.25
20	132.83	133.19	133.14	132.55	132.05	132.05	132.14	132.24	131.34	130.46	129.97	129.98
25	133.05	133.14	132.95	132.51	132.08	132.05	132.23	132.12	130.95	130.23	129.84	130.02
Eom	132.94	133.12	132.69	132.33	132.03	132.11	132.44	131.96	130.61	130.15	129.99	129.97

1973

5	129.85	129.57	129.50	129.06	127.24	126.72	127.15	128.40	128.50	128.62	129.06	129.10
10	129.23	129.56	129.39	128.99	127.06	126.85	127.35	128.20	128.67	128.62	129.24	129.14
15	129.70	129.53	129.19	129.02	127.00	127.01	127.65	128.59	128.69	128.69	129.04	129.14
20	129.67	129.51	129.19	128.75	126.88	126.86	127.61	128.53	128.70	128.51	129.21	129.11
25	129.58	129.45	129.06	128.92	126.74	126.95	127.94	128.48	128.77	128.85	129.19	129.17
Eom	129.60	129.63	129.20	127.53	126.80	127.20	127.97	128.51	128.65	128.80	129.35	129.22

42553088131701--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	129.23	128.35	128.46	127.31	126.73	126.55	127.18	127.85	128.31	128.99	129.47	129.71
10	129.24	128.75	128.20	127.26	126.67	126.28	127.30	128.01	128.43	128.37	129.54	129.67
15	129.1	128.80	127.82	127.13	126.55	126.43	127.51	128.04	128.58	129.11	129.55	129.79
20	129.28	128.79	127.70	126.96	126.59	126.57	127.60	127.98	128.80	129.30	129.55	129.75
25	129.23	128.76	127.77	126.88	126.51	126.80	127.73	128.11	128.75	129.31	129.72	129.94
Eom	129.04	128.57	127.43	126.75	126.42	127.26	127.78	128.24	128.34	129.31	129.69	129.97

430049088131301. Local number Wk-6/19/2-14. New Tribes Mission. State Highway 53 and County Highway "Y". Waushara. Drilled unused artesian well in sandstone of Cambrian age and St. Peter Sandstone of Middle Ordovician age, diam 8 in (20 cm), reported depth 1,300 ft (396 m), casing information not available. Lsd 875.03 ft (266.71 m) above msl. MP top of casing, at lsd. Highest water level 243.86 ft (76.15 m) below lsd, July 6, 1947; lowest 426.51 ft (130.00 m) below lsd, Aug. 24, 1974. Records available: 1946-74. Water levels affected primarily by pumping of nearby municipal wells.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	397.29	398.76	399.82	401.38	404.30	399.87	399.42	398.47	402.29	405.56	402.87	402.01
10	398.48	398.94	402.85	400.36	401.94	402.71	399.76	399.54	402.94	404.78	404.68	400.98
15	400.07	398.44	401.19	402.81	398.45	402.57	402.24	400.30	404.20	406.87	403.90	402.64
20	399.26	401.22	400.34	403.10	400.00	401.18	400.90	402.77	405.27	407.17	402.96	400.99
25	399.42	401.02	402.16	403.05	402.21	400.98	400.56	403.51	404.20	406.28	401.68	399.09
Eom	398.66	399.93	401.78	402.49	400.20	402.15	397.14	403.61	403.92	403.69	402.43	397.47

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	399.33	402.26	397.77	399.43	394.72	396.79	401.12	405.23	412.81	.....	410.11	408.28
10	399.56	402.88	397.62	395.77	395.56	398.72	403.45	408.23	413.45	411.16	410.65	407.79
15	400.65	401.94	399.82	394.70	395.73	401.18	406.27	408.66	412.96	410.81	409.70	408.39
20	402.47	396.73	398.04	395.72	395.58	402.26	408.64	409.86	412.32	411.31	408.59	407.63
25	402.37	396.55	396.77	396.71	396.51	400.58	405.97	409.66	409.32	410.22	405.48	405.04
Eom	403.41	396.54	400.82	395.51	395.51	402.46	405.12	411.50	410.64	409.15	409.89	404.05

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	405.70	404.66	399.89	403.63	406.04	410.25	421.02	421.47	421.74	419.93	414.41	415.59
10	404.54	403.74	400.54	405.09	407.20	413.20	420.80	424.75	421.61	417.27	419.80	415.09
15	403.95	405.74	401.70	403.95	406.56	414.40	422.25	425.10	421.70	415.72	419.88	416.69
20	404.09	401.54	402.04	403.86	406.68	414.32	423.92	424.55	421.70	415.69	418.50	416.65
25	405.66	401.00	402.10	404.85	408.43	414.15	422.50	424.97	421.89	414.33	416.53	416.96
Eom	406.12	400.40	403.30	404.53	408.77	418.20	422.46	426.26	423.24	413.58	415.57	412.82

Waupaca County

44154088522501. Local number Wp-21/13/25-2. Village of Fremont. Drilled unused artesian well in sandstone of Cambrian age, diam 8 in (20 cm), depth 205 ft (62 m), cased to 109 ft (33 m). Lsd 764 ft (233 m) above msl. MP hole in cap, 1.00 ft (0.30 m) above lsd. Highest water level 9.70 ft (2.96 m) below lsd, Mar. 24, 1973; lowest 15.91 ft (4.85 m) below lsd, Feb. 23, 1954. Records available: 1950-74. Water-level measurements reported in the following table are monthly lows.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1972	14.05	Oct. 21, 1972	12.98	July 28, 1973	13.16	Apr. 1, 1974	13.86
Feb. 26	14.26	Nov. 11	12.82	Aug. 26	13.60	May 25	13.09
Mar. 4	14.39	Dec. 16	13.60	Sept. 22	13.75	June 1	13.16
Apr. 1	13.23	Jan. 13, 1973	13.38	Oct. 20	13.75	July 20	13.52
May 6	11.75	Feb. 10	12.60	Nov. 10	13.74	Aug. 24	13.75
June 24	13.50	Mar. 3	13.50	Dec. 10	13.94	Sept. 28	14.05
July 29	13.90	Apr. 21	11.72	Jan. 18, 1974	14.25	Oct. 4	14.10
Aug. 5	13.93	May 26	10.55	Feb. 23	14.34	Nov. 2	14.08
Sept. 23	13.55	June 30	12.00	Mar. 2	14.30	Dec. 28	14.02

Waushara County

440713049320801. Local number Wa-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 (10 cm), depth 18 ft (5 m), cased to 18 ft (5 m). Lsd 1,080 ft (329 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 5.88 ft (1.79 m) below lsd, July 5, 1973; lowest 15.71 ft (4.79 m) below lsd, June 10, 1959. Records available: 1951-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.13	11.17	11.42	11.21	10.84	10.61	.....	11.25	11.04	10.16	9.68	9.65
10	11.10	11.24	11.45	11.28	10.78	10.71	.....	11.30	11.01	9.97	9.60	9.68
15	11.10	11.31	11.54	11.10	10.71	10.71	.....	11.31	11.00	9.85	9.60	9.69
20	11.10	11.34	11.54	11.74	10.64	10.72	.....	11.35	10.88	9.79	9.60	9.79
25	11.14	11.32	11.11	10.99	10.63	10.60	.....	11.29	10.80	9.70	9.60	9.85
Eom	11.15	11.36	11.13	10.91	10.62	.....	.....	11.12	10.42	9.69	9.64	9.83

4407130d9520801--Continued.

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.90	9.88	9.50	....	....	6.04	5.68	6.46	6.93	7.42	7.67	8.23
10	9.94	9.88	8.77	....	6.90	....	5.99	6.53	6.96	7.51	8.02	8.29
15	10.00	9.89	8.76	8.11	6.69	....	6.10	6.63	7.02	7.60	8.07	8.33
20	9.93	9.91	8.69	7.81	6.49	....	6.19	6.72	7.14	7.63	8.13	8.38
25	9.95	9.98	....	7.82	6.31	....	6.28	6.60	7.18	7.75	8.17	8.42
Eom	9.98	9.99	....	7.82	6.17	....	6.40	6.90	7.25	7.73	8.21	8.46

1974

5	....	8.84	8.60	8.45	7.60	7.50	7.57	7.92	8.30	8.69	9.05	9.25
10	....	8.89	8.67	8.32	7.56	7.46	7.60	7.95	8.32	8.75	9.10	9.40
15	8.63	8.96	8.69	8.21	7.50	7.45	7.68	8.01	8.36	8.81	9.14	9.48
20	8.66	9.04	8.74	8.00	7.52	7.45	7.77	8.08	8.44	8.88	9.20	9.52
25	8.73	9.11	8.80	7.81	7.51	7.50	7.83	8.20	....	8.94	9.26	9.56
Eom	8.79	9.15	8.70	7.67	7.51	7.55	7.87	8.26	8.52	9.01	9.31	9.63

441414089091101. Local number Ws-20/11/2-53. Merle Knox. Drilled domestic water-table well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 177 ft (54 m), cased to 172 ft (52 m), screened 172-177 ft (52-54 m). Lsd 923 ft (281 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 32.97 ft (10.05 m) below lsd, June 26, 1973; lowest 40.41 ft (12.32 m) below lsd, Mar. 4, 1959. Records available: 1956-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1972	37.20	Oct. 17, 1972	36.79	July 17, 1973	33.36	Apr. 23, 1974	33.59
Feb. 23	37.19	Nov. 14	36.59	Aug. 14	33.53	May 21	35.54
Mar. 22	37.24	Dec. 19	36.71	Sept. 25	33.71	June 26	32.98
Apr. 18	37.05	Jan. 24, 1973	36.60	Oct. 16	33.98	July 24	33.54
May 16	36.46	Feb. 27	36.83	Nov. 13	34.33	Aug. 28	33.73
June 13	36.63	Mar. 27	35.08	Dec. 18	34.73	Sept. 23	33.46
July 18	36.92	Apr. 24	34.90	Jan. 22, 1974	34.95	Oct. 22	34.41
Aug. 15	37.16	May 22	35.61	Feb. 27	35.56	Nov. 14	34.66
Sept. 19	37.25	June 26	32.97	Mar. 19	34.85	Dec. 18	34.91

Winnebago County

440122088324601. Local number W1-18/16/23-6. 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 (20 cm), reported depth 200 ft (61 m), casing information not available. Lsd 765 ft (233 m) above msl. MP top of 1-in (2.5-cm) pipe, at lsd. Highest water level 18.84 ft (5.74 m) below lsd, Mar. 30, 1973; lowest 39.75 ft (12.12 m) below lsd, Sept. 1, 1960. Records available: 1950-74. Water levels affected by pumping of nearby wells.

Jan. 21, 1972	21.90	Nov. 17, 1972	20.13	June 26, 1973	22.20	Mar. 22, 1974	22.06
Feb. 21	21.63	Dec. 32	20.76	July 16	24.01	May 24	20.93
May 15	21.02	Mar. 2, 1973	21.60	Sept. 28	24.04	July 26	24.37
June 16	21.95	30	18.84	Dec. 21	23.80	Oct. 25	21.83
Oct. 16	19.75	May 25	19.03	Jan. 25, 1974	23.99	Dec. 20	21.44