Water Levels and Artesian Pressures in Observation Wells in the United States in 1952

Part 3. North-Central States

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

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1223

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

UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON : 1954

UNITED STATES DEPARTMENT OF THE INTERIOR

Douglas McKay, *Secretary*

GEOLOGICAL SURVEY

W. E. Wrather, *Director*

For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington 25, D. C. - Price $1 (paper cover)

PREFACE

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

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WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS IN THE UNITED STATES IN 1952

Part 3. NORTH-CENTRAL

Introduction

By A. N. Sayre

The publication of records of water levels and artesian pressures annually in the United States was begun by the Geological Survey in 1935. Prior to 1940 the records for each year were published in a single volume--1935, 777; 1936, 817; 1937, 840; 1938, 845; 1939, 886. Since 1940 records have been published in six volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. The following table gives the numbers of Water-Supply Papers from 1940 through 1952.

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

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

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

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

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

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

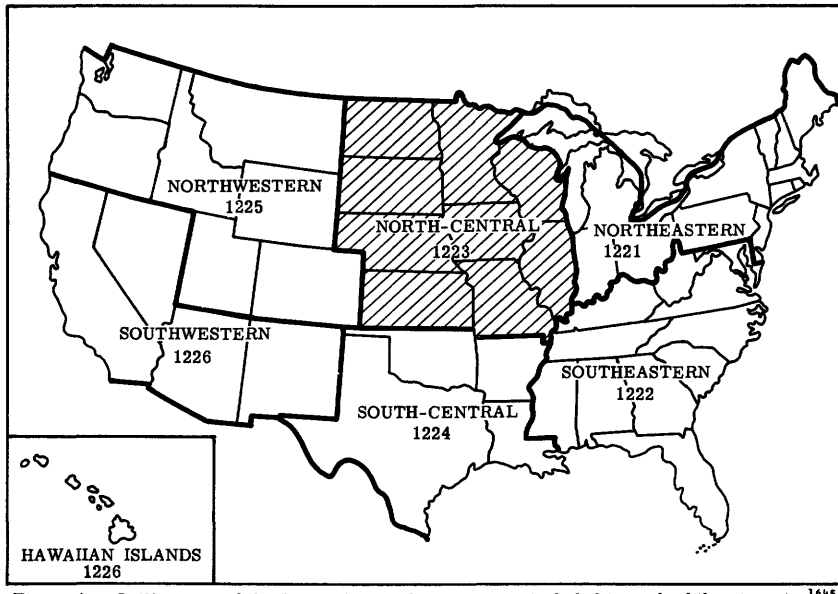

Figure 1.--Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1952. The shaded area indicates the States included in this volume. 16456

Penn Livingston had general charge of the nation-wide observation-well program; Verda M. Dougherty edited the reports; and Rodney Hart and Marie H. Adler edited the illustrations. This volume was typed by Bettie H. Morton.

ILLINOIS

By J. B. Cooper

Scope of Water-Level Program

Measurements of water level were continued in 1952 in the well at Princeton, Bureau County. This well is equipped with a nonrecording gage, which was installed in November 1942; observations have been made at approximately weekly intervals since that time. A total of 46 measurements was made in this well during 1952.

Precipitation

The precipitation at the nearest rainfall station in 1952, as obtained from records of the U. S. Weather Bureau, was 33.33 inches, 1.12 inches below normal. Below-normal precipitation occurred in February, May, August, September, and October; during the remaining months it was above-normal.

Interpretation of Water-Level Fluctuations

During 1952, the water level in the well at Princeton followed the general pattern of previous years, as indicated by figure 2. High water levels occurred in the spring and low levels in the fall of the year. Above average water levels were observed during the first 8 months of the year. January and February water levels were the highest of record for these 2 months. Below average levels were observed for each month from August through December. The high of 3.08 feet observed on June 14 was 1.51 feet higher than the 1951 high. The low of 20.68 feet recorded on November 22 was 3.09 feet lower than the 1951 low. The range of fluctuation during 1952 was 17.60 feet.

Well Description and Water-Level Measurements

Bureau County

16-9-9. R. E. Neff. 326 First St., Princeton. Dug unused water-table well in glacial drift, diameter 32 inches, depth 29 feet, cribbed with brick. Highest water level 2.94 below lsd, May 15, 1943; lowest 20.99 below lsd, Dec. 25, 1948, Dec. 17, 1949. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	7.71	Apr. 5	6.05	July 12	8.84	Oct. 18	18.99
12	6.81	12	6.40	Aug. 2	12.00	25	19.30
19	5.41	19	5.42	9	13.61	Nov. 1	20.00
26	6.11	26	6.00	23	13.49	8	20.32
Feb. 9	7.10	May 10	7.01	30	14.50	15	20.61
16	7.31	17	7.45	Sept. 6	15.29	22	20.68
23	8.19	25	8.18	13	16.40	29	20.35
Mar. 1	7.84	June 7	9.21	20	17.29	Dec. 6	20.40
8	8.34	14	3.08	27	18.00	13	20.50
15	5.71	21	6.39	Oct. 3	18.40	20	20.55
22	4.60	28	6.85	12	18.68	27	18.71
29	5.71	July 5	7.85				

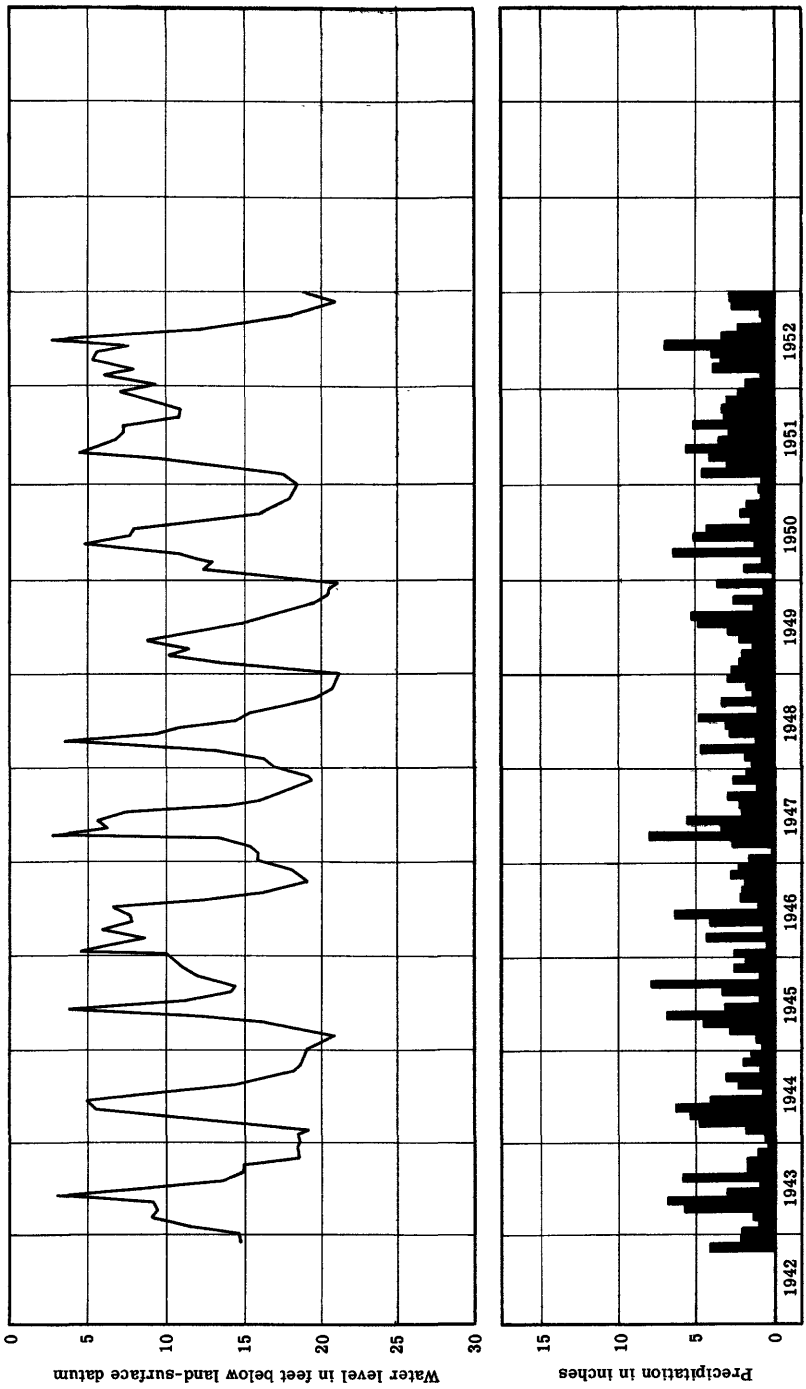

Figure 2.--Fluctuations of water level in well 16-9-9 at Princeton, Ill., and monthly precipitation at Tiskilwa, November 1942 to December 1952.

IOWA

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

Scope of Water-Level Program

The observation-well program in Iowa was continued in 1952 in cooperation with the State Geological Survey. Measurements were made in 148 wells, 20 of which were equipped with recording gages. During the year, 6 wells were dropped from the program, and 7 wells were added, making a total of 149 wells in 38 counties in the observation-well program at the end of the year. Figure 3 shows location of wells. The shallow observation wells in the Tarkio Creek Valley area of southwestern Iowa and northwestern Missouri, including parts of Montgomery and Page Counties, Iowa, and Atchison County, Missouri, constitute a unit in the Iowa measurement program. There are 18 wells in Page County and 5 wells in Montgomery County. Records of wells in the Missouri part of the area are given in the section of this report that deals with that State.

Precipitation

The average total precipitation over the State in 1952, as reported by the U. S. Weather Bureau, was 29.79 inches, 1.58 inches below normal. Throughout the State precipitation was somewhat above normal until the last of August. The month of September was unusually dry with average precipitation measuring 0.88 inch or 3.13 inches below normal. October precipitation of 0.02 inch was the least of record for any month in the 80 years for which statewide records were available. Rural water shortages developed in many south-central areas and in scattered localities elsewhere in the State, particularly the central and western portion. Several town water supplies became dangerously low. Heavy rains, beginning on the 16th of November, ended the drought of 75 days in which no useful amounts of precipitation were recorded. In December the precipitation was slightly above normal.

Interpretation of Water-Level Fluctuations

Water levels in shallow aquifers in Iowa fluctuate generally in response to variations in precipitation, pumping, and natural demands of vegetation. Ground-water levels in these aquifers at the beginning of 1952 stood at unusually high levels in most sections of the State as a result of above-normal precipitation in the previous year. Water levels began a downward trend at the start of the growing season in May and, accelerated by the drought of early fall, continued to decline until the middle of November. Recharge of these aquifers by rainfall in late November and December halted this downward trend, and at the end of the year water levels were generally higher than the low point reached in mid-November. Water-level fluctuations in well 68-38-7N1, shown in figure 4 , are representative of variations in depth-to-water with precipitation in the wells in the Tarkio Creek Valley area of southwestern Iowa. This well, an unused well 44 feet deep in Page County near Shenandoah, is used in this illustration because of continuity and length of record and its favorable location away from pumping influences. Monthly precipitation at Shenandoah is also shown on the graph. The fluctuation of the water level during the period of record in well 87-28-29N1, which is a shallow unused well in the southern part of Webster County near Harcourt, is shown in figure 5 . This well is 42 feet deep, taps water in the glacial drift, and is representative of several shallow observation wells and of many domestic farm wells which tap the same water-bearing bed. The monthly precipitation at Fort Dodge, shown also on the graph, correlates closely with the fluctuations of water level. Figure 6 shows the depth to the water table in well 84-6-20N1, an observation well 12 feet deep tapping water in glacial drift. Close correlation between precipitation, as recorded at the U. S. Weather Bureau station in Cedar Rapids, and the water-level fluctuations in this well is evident. Well 83-7-21K1 (fig. 7) is illustrative of artesian rock wells affected by seasonal withdrawals for industrial and air-conditioning purposes. This is an unused well about half a mile from heavily pumped areas of Cedar Rapids and completed at a depth of 156 feet in the upper part of dolomite of Silurian age, which is locally about 400 feet thick. Most wells in Cedar Rapids develop water supplies for air-conditioning and industrial use from these strata. In September 1951 a new well was constructed nearby. A pumping test made on it had a marked effect upon water levels in well 83-7-21K1. On December 31, 1951, the water level was 68.00 feet, which is the lowest measurement of record and 10.78 feet below its stage of December 31, 1943.

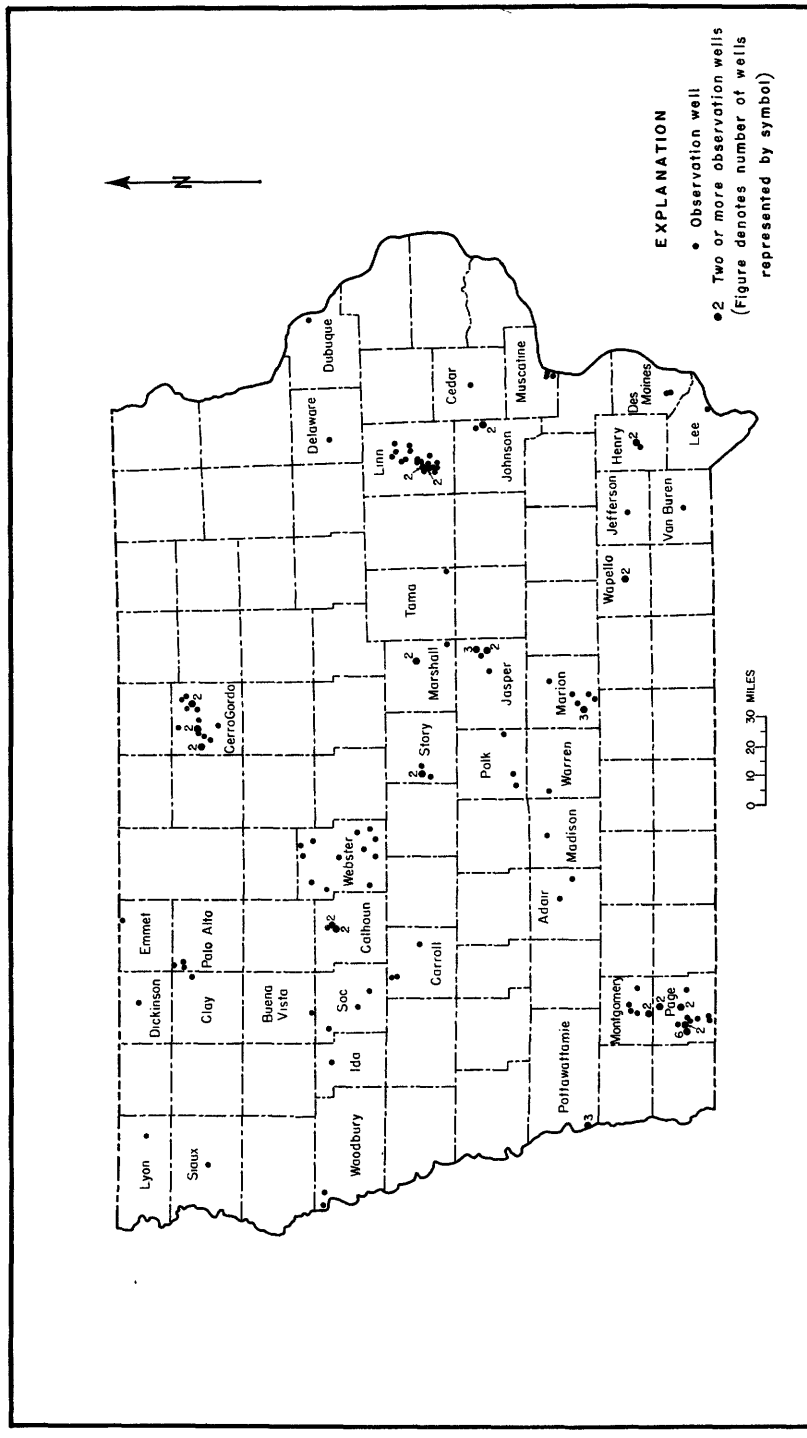

Figure 3.--Location of observation wells in Iowa, 1952.

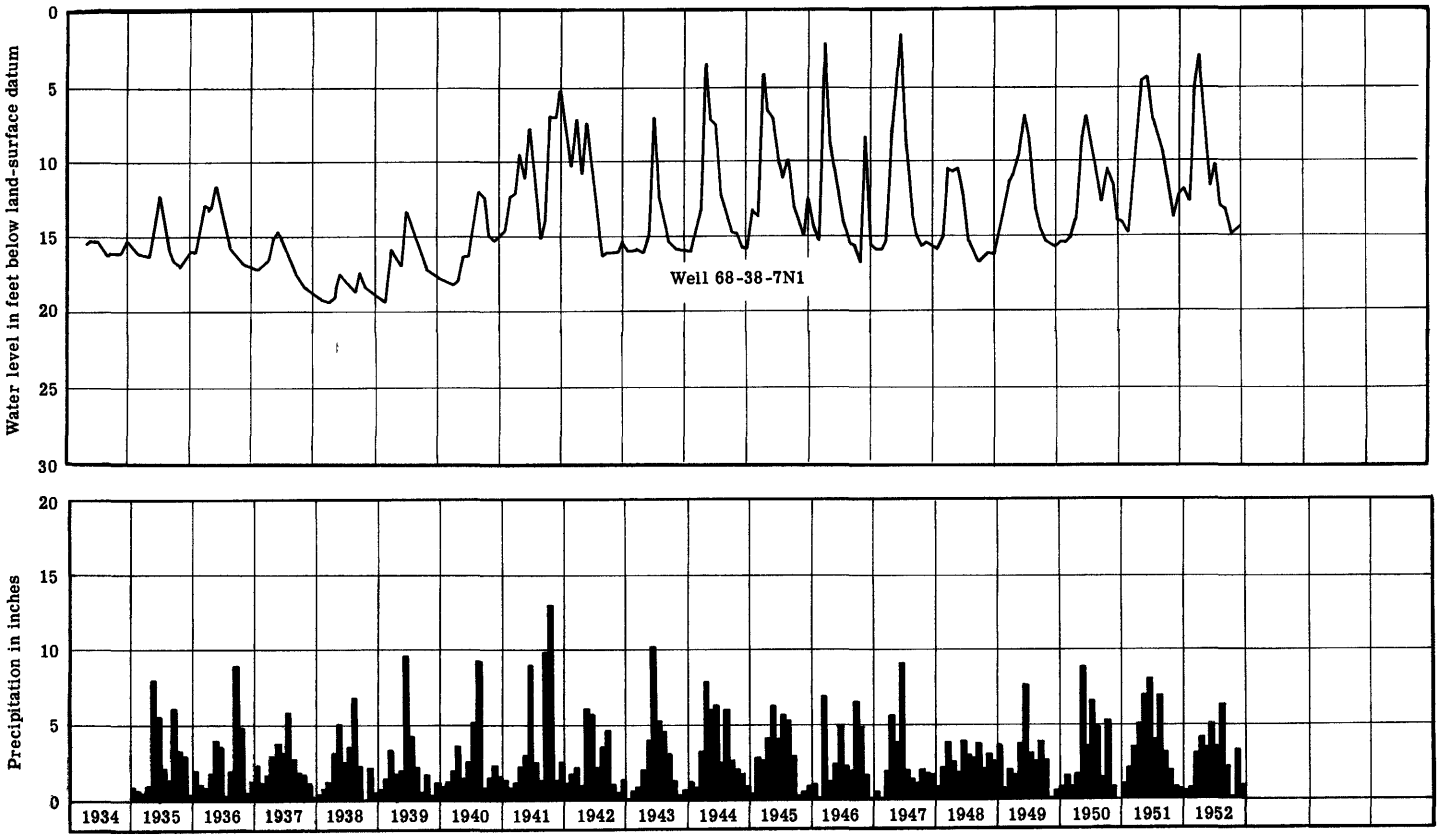

Figure 4. --Water level in well 68-38-7N1 and precipitation at Shenandoah, Tarkio Creek Valley, Iowa-Missouri, April 1934 to December 1952.

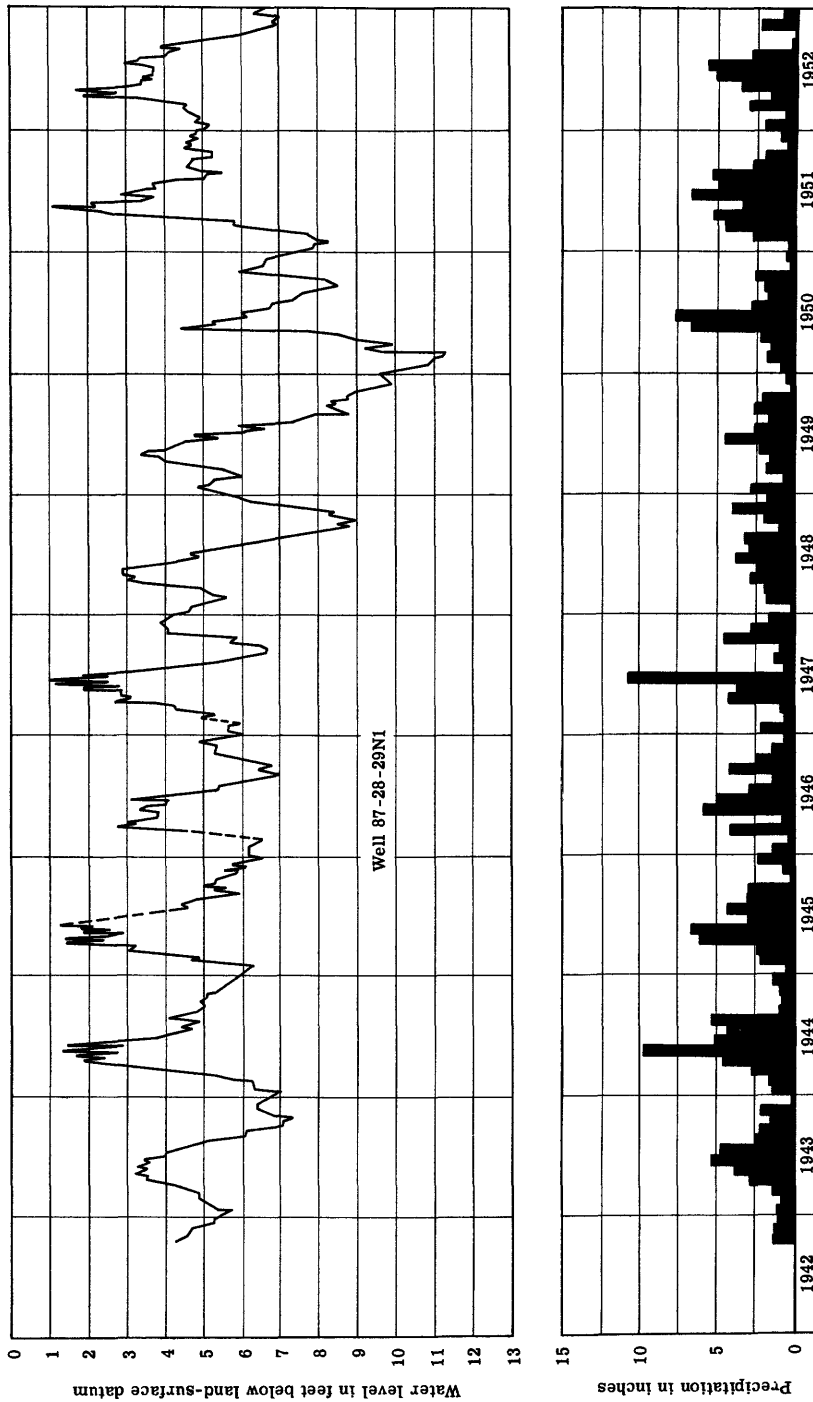

Figure 5.--Water level in well 87-28-29N1 near Harcourt and monthly precipitation at Fort Dodge, Iowa, October 1942 to December 1952.

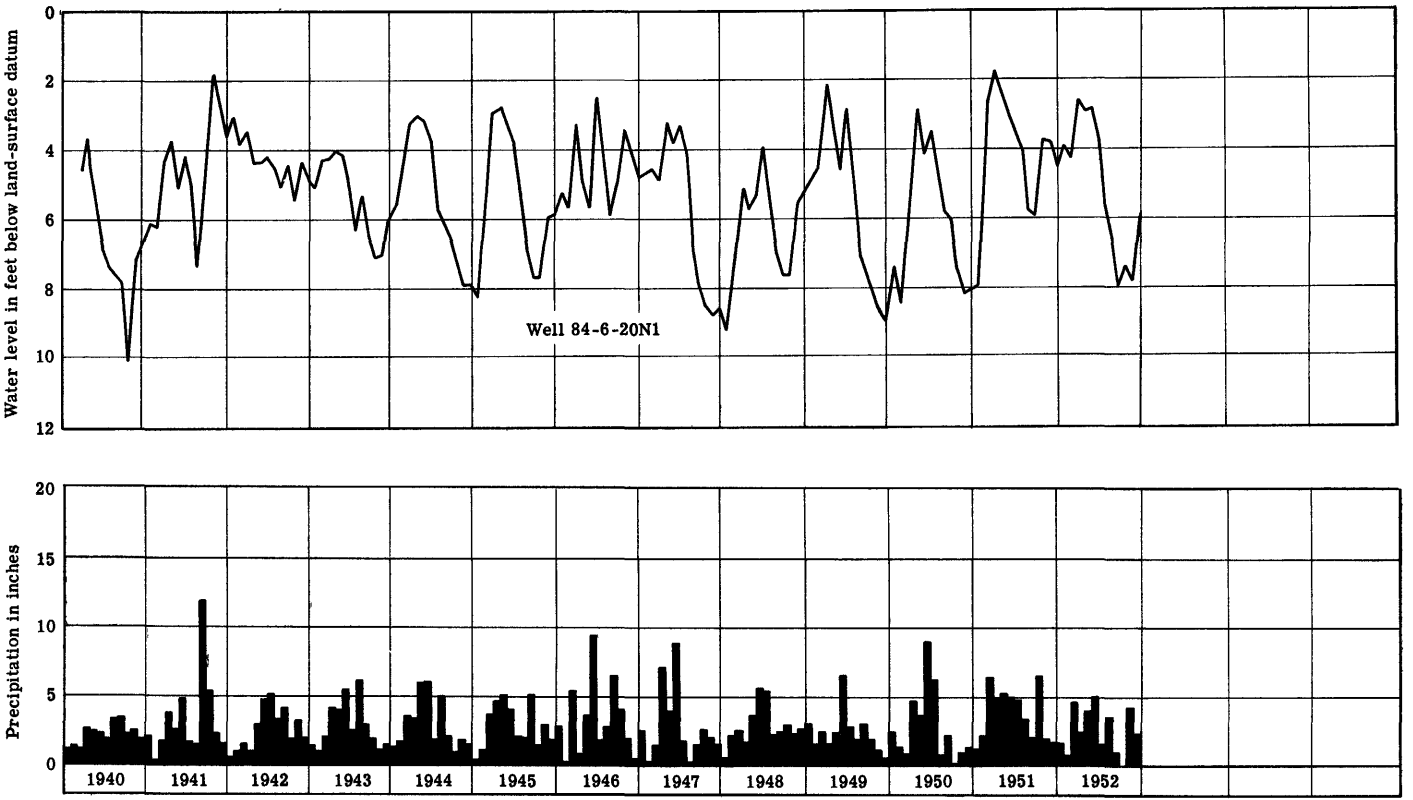

Figure 6.--Water level in well 84-6-20N1 near Marion and monthly precipitation at Cedar Rapids, Iowa, April 1940 to December 1952.

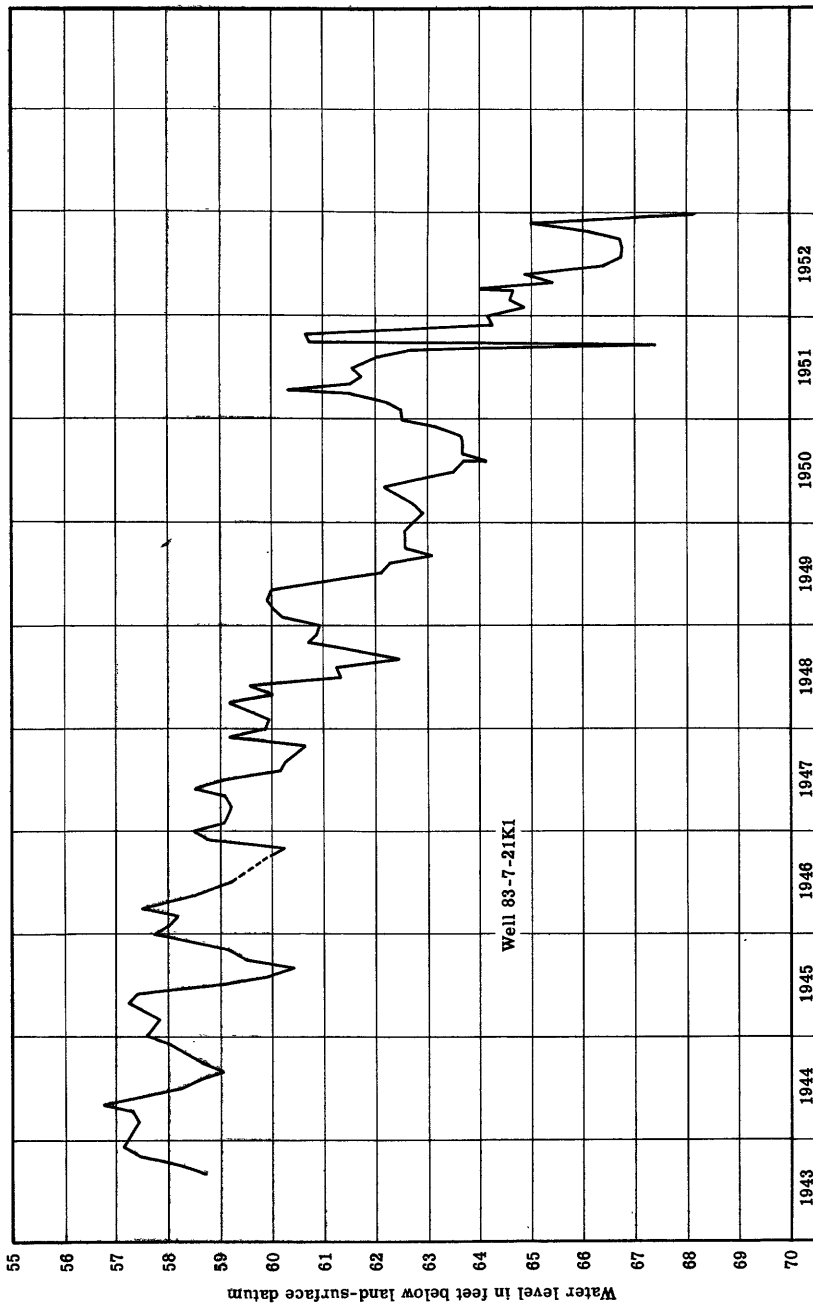

Figure 7. --Hydrograph of well 83-7-21K1 at Cedar Rapids, Linn County, Iowa, August 1943 to December 1952, showing fluctuations of water level caused by pumping in vicinity of Cedar Rapids.

Well-Numbering System

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

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

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

Well Descriptions and Water-Level Measurements

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

Adair County

76-31-29F1. Mutual Benefit Life Insurance Co. Dug unused water-table well in glacial drift, diameter 36 inches, depth 21 feet, cribbed with rock. Highest water level 3.96 below lsd, May 26, 1942; lowest 16.55 below lsd, Dec. 21, 1950. Records available: 1942-52. Jan. 29, 9.17; Apr. 23, 5.93; July 17, 8.40; Oct. 30, 13.47.

75-30-17E1. F. E. Robert. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 26 feet, lined with tile. Highest water level 0.18 above lsd, Mar. 23, 1943; lowest 2.60 below lsd, Sept. 8, 1945. Records available: 1942-52. Jan. 29, 1.10; Apr. 23, 0.01; July 17, 0.56.

Buena Vista County

90-37-34B1. Ed Zinn. Dug unused water-table well in glacial drift, diameter 36 inches, depth 29 feet. Highest water level 3.77 below lsd, Oct. 15, 1946; lowest 18.32 below lsd, Aug. 27, 1941. Records available: 1940-52. Jan. 9, 7.79; Apr. 29, 5.83; July 22, 7.09; Oct. 28, 10.64.

Calhoun County

89-32-28N1. Frank Laird. Drilled unused water-table well in glacial drift, diameter 15 inches, depth 11 feet, lined with tile. Highest water level 2.03 below lsd, May 1, 1947; lowest dry, Oct. 2, 1940, Aug. 27, 1941. Records available: 1940-52. Jan. 10, 3.86; Apr. 30, 3.13; July 23, 3.50; Oct. 29, 4.80.

89-32-33F1. State Conservation Commission. Drilled domestic water-table well in glacial drift, diameter 8 inches, depth 53 feet, lined with tile. Highest water level 5.33 below lsd, Apr. 30, 1952; lowest 20.35 below lsd, June 21, 1950. Records available: 1948-52. Jan. 10, 8.56; Apr. 30, 5.33; July 23, 8.48; Oct. 29, 13.43.

89-32-33N1. Ben Burns. Drilled domestic water-table well in glacial drift, diameter 8 inches, depth 30 feet, lined with tile. Highest water level 1.68 below lsd, Mar. 29, 1945; lowest 20.53 below lsd, Oct. 2, 1940. Records available: 1940-49. No measurement made in 1952.

88-33-1B1. Ben Burns. Drilled domestic water-table well in glacial drift, diameter 14 inches, depth 35 feet, lined with tile. Highest water level 7.16 below lsd, Apr. 27, 1948; lowest 17.12 below lsd, Dec. 17, 1942. Records available: 1940-50. No measurement made in 1952.

88-33-1D1. Bernard Kutz. Drilled unused water-table well in sand of Pleistocene age, diameter 14 inches, depth 105 feet, lined with tile. Highest water level 5.00 below lsd, Apr. 30, 1952; lowest 14.69 below lsd, Oct. 29, 1952. Records available: 1940-52. Jan. 10, 8.43; Apr. 30, 5.00; July 23, 7.77; Oct. 29, 14.69.

Carroll County

85-35-7N1. City of Breda. Drilled municipal artesian well in Dakota sandstone, diameter 10 to 6 inches, depth 340 feet, screen 320-340. Land-surface datum is about 1,362 feet above msl. Highest water level 187.70 below lsd, Mar. 25, 1948; lowest 220.32 below lsd, Oct. 28, 1952. Records available: 1942-52. Jan. 9, 188.52; Apr. 29, 220.19, pumping; July 22, 191.28; Oct. 28, 220.32, pumping.

85-35-18D1. City of Breda. Drilled unused artesian well in Dakota sandstone, diameter 9 inches, reported depth 350 feet. Land-surface datum is about 1,365 feet above msl. Highest water level 190.47 below lsd, Oct. 6, 1948; lowest 206.55 below lsd, May 27, 1941. Records available: 1940-52. Jan. 9, 191.11; Apr. 29, 192.23; July 22, 196.22; Oct. 28, 193.15.

84-34-25F1. City of Carroll test hole 1. Drilled observation artesian well in Dakota sandstone, diameter 8 inches, depth 120 feet, cased to 106. Highest water level 34.55 below lsd, Sept. 8, 1945; lowest 51.24 below lsd, July 28, 1941. Records available: 1939-49, 1952. May 7, 38.44; July 21, 47.33; Oct. 27, 45.03.

Cedar County

80-2-6D1. City of Tipton. Drilled unused artesian well in limestone of Ordovician and Silurian ages, diameter 8 inches, reported depth 1,000 feet, cased to 225. Land-surface datum is about 815 feet above msl. Water levels affected by pumping of nearby wells. Highest water level 53.5 below lsd, Mar. 24, 1952; lowest 120.6 below lsd, Apr. 3, 1952. Records available: 1949-52.

Daily highest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Sept.	Oct.
1	56.5	55.8	57.6	54.0	55.9	57.2	....	....	57.0
2	58.1	56.5	55.3	54.0	56.0	56.1	....	....	61.7
3	57.7	55.0	56.3	54.0	58.0	56.3	....	....	57.3
4	57.3	55.4	56.4	54.2	56.8	57.4	....	....	56.4
5	56.9	55.6	54.3	53.8	56.5	56.9	....	....	60.3
6	56.9	....	56.7	54.4	56.6	57.1	....	61.8	83.3
7	56.3	....	55.7	54.3	55.8	57.6	....	61.0	56.8
8	57.0	....	56.5	54.0	56.1	58.3	....	61.1	56.8
9	57.2	....	55.1	55.0	55.5	57.5	....	61.2	61.9
10	57.0	....	54.8	54.5	55.3	58.1	....	61.2	82.4
11	56.8	....	55.0	53.7	54.6	57.8	....	61.2	56.5
12	56.9	....	56.5	54.4	55.6	58.5	....	62.6	62.2
13	56.4	56.6	54.9	54.9	55.3	58.2	....	....	81.1
14	56.2	56.3	55.9	54.9	56.5	....	....	....	55.3
15	56.3	....	56.9	55.4	56.3	....	58.6	....	56.2
16	....	....	54.7	54.9	55.9	....	58.6	....	56.1
17	....	55.8	54.6	54.9	55.8	....	58.7	....	82.5
18	57.3	56.0	54.2	55.1	55.8	....	58.3	....	81.2
19	56.6	55.5	54.3	57.4	54.7	....	59.1	....	54.4
20	55.8	57.1	55.4	55.7	57.2	....	59.2	57.2	57.3
21	55.3	56.4	54.7	54.7	58.7	....	58.7	58.3	56.6
22	55.3	56.2	55.1	54.2	55.7	....	59.1	58.6	80.8
23	56.3	56.4	53.9	54.5	54.5	....	58.8	63.3	56.3
24	56.6	55.7	53.5	55.3	59.8	....	58.2	57.2	56.2
25	55.9	56.6	54.4	54.3	56.9	....	58.3	60.4	56.3
26	56.5	55.6	54.3	56.0	57.8	....	....	82.7	57.7
27	55.6	55.7	54.4	68.9	57.3	....	....	55.2	82.2
28	55.6	56.3	54.3	60.3	56.8	....	....	62.2	....
29	55.4	55.4	54.2	57.1	57.6	....	....	57.9	....
30	55.8		54.0	55.7	58.7	....	....	61.4	75.4
31	56.3		53.5		56.5		....		....

* No record for July, November, and December.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Sept.	Oct.
1	93.8	92.8	90.4	120.1	116.9	113.7	.....	.....	110.7
2	93.9	91.5	92.3	119.0	117.7	114.1	.....	.....	111.7
3	93.9	92.3	115.4	120.6	117.2	114.1	.....	.....	112.4
4	93.2	92.2	115.3	115.2	116.4	114.3	.....	90.0	112.8
5	93.3	91.9	116.0	115.0	116.7	114.4	.....	90.9	113.2
6	90.4	92.8	116.3	115.6	117.1	115.2	.....	90.1	113.2
7	93.9	92.5	115.9	115.1	116.4	115.2	.....	89.7	113.2
8	93.7	92.5	114.5	116.6	112.5	114.2	.....	.....	112.7
9	93.1	91.8	113.3	115.3	87.8	114.5	.....	90.8	112.7
10	93.8	91.7	114.4	115.0	115.6	115.8	.....	117.3	112.8

80-2-6D1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Sept.	Oct.
11	93.4	93.3	115.0	116.0	113.5	114.9	.....	.....	113.1
12	93.2	.....	115.6	90.0	87.0	115.2	.....	.....	113.2
13	92.8	.....	115.3	114.7	112.7	114.5	.....	.....	112.2
14	92.6	92.5	115.1	115.3	116.3	.....	.....	.....	112.4
15	.....	93.2	112.6	115.9	113.8	.....	88.5	.....	111.4
16	.....	92.5	114.7	114.7	115.3	.....	88.4	120.2	111.2
17	93.6	92.6	114.5	115.0	117.5	.....	88.6	118.0	111.4
18	91.6	92.2	114.2	117.1	115.9	.....	.....	119.5	111.5
19	91.9	91.9	114.3	112.2	116.5	.....	.....	114.8	108.2
20	92.0	91.8	113.4	115.5	117.2	.....	.....	113.3	112.2
21	92.3	92.3	114.7	114.7	114.2	.....	.....	113.1	112.0
22	92.6	91.1	112.5	114.7	120.1	.....	87.5	113.7	.....
23	93.3	92.1	113.8	114.8	113.8	.....	.....	113.9	109.6
24	.....	93.1	101.5	114.2	116.6	.....	.....	113.8	111.9
25	92.8	92.5	91.1	117.0	116.4	.....	114.0	114.2	112.5
26	92.2	91.9	91.1	116.7	115.0	.....	87.1	113.4	112.5
27	92.3	92.5	91.3	118.5	113.8	.....	88.4	111.4	.....
28	92.0	91.9	91.0	118.6	114.3	.....	114.8	111.2	.....
29	92.5	92.8	90.9	115.9	114.2	.....	115.7	111.7	.....
30	92.6		90.2	116.1	115.2	.....	.....	113.8	.....
31	92.7		114.6		114.2		.....		.....

* No record for July, November, and December.

Cerro Gordo County

97-21-9E1. E. H. Phillips. Drilled domestic and stock artesian well in limestone of Devonian age, diameter 5 inches, depth 206 feet, cased to 94. Land-surface datum is about 1,217 feet above msl. Highest water level 90.60 below lsd, Dec. 27, 1949; lowest 100.19 below lsd, July 19, 1946. Records available: 1941-52. Oct. 8, 96.36.

97-20-24H1. Mrs. Vinnie Shanks. Drilled domestic water-table well in glacial drift, diameter 36 to 18 inches, depth 79 feet, cribbed with rock to 17, lined with tile to 79. Land-surface datum is about 1,176 feet above msl. Highest water level 3.68 below lsd, June 28, 1951; lowest 25.28 below lsd, Sept. 28, 1950. Records available: 1941-52. Jan. 30, 8.97; May 1, 4.47; July 9, 6.01; Oct. 8, 9.03.

97-20-28L1. American Crystal Sugar Co. Drilled industrial artesian well in St. Peter and Jordan sandstones, diameter 20 to 12 inches, depth 1,347 feet, cased 0-241, 653-815. Land-surface datum is 1,162.54 feet above msl. Highest water level 148.25 below lsd, July 29, 1944; lowest 192.75 below lsd, July 9, 1952. Records available: 1943-52. July 9, 192.75.

97-19-30R1. E. Stebens. Dug unused water-table well in glacial sand, diameter 36 inches, depth 16 feet, cribbed with rock. Land-surface datum is about 1,157 feet above msl. Highest water level 5.43 below lsd, July 3, 1945; lowest 13.90 below lsd, June 24, 1943. Records available: 1941-52. Jan. 30, 10.10; May 1, 8.02; July 9, 7.66; Oct. 8, 10.95.

96-22-20C1. The Willow Inn. Dug unused water-table well in glacial drift, diameter 24 inches, depth 10 feet. Land-surface datum is about 1,232 feet above msl. Highest water level 1.14 below lsd, Mar. 25, 1942; lowest 8.26 below lsd, Oct. 12, 1948. Records available: 1940-52. Jan. 29, 4.97; May 1, 2.08; July 10, 3.60; Oct. 8, 5.28.

96-22-20L1. Boy Scouts of America. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 126 feet. Land-surface datum is about 1,249 feet above msl. Highest water level 29.65 below lsd, Mar. 25, 1942; lowest 40.68 below lsd, July 6, 1950. Records available: 1940-52. May 1, 34.74; July 10, 37.93; Oct. 8, 39.52.

96-22-25D2. U. S. Geol. Survey. Clear Lake State Park. Driven observation water-table well in glacial sand and gravel, diameter 1 inch, depth 9 feet. Land-surface datum is about 1,235 feet above msl. Highest water level 3.68 below lsd, July 3, 1945; lowest 8.18 below lsd, Oct. 12, 1948. Records available: 1940-52. Jan. 29, 7.13; May 1, 5.03; July 10, 5.38; Oct. 8, 7.18.

96-21-13E1. Mason City & Clear Lake Railway Co. Drilled unused water-table well, diameter 5 inches, depth 29 feet. Land-surface datum is about 1,168 feet above msl. Highest water level 1.73 below lsd, June 28, 1951; lowest 8.02 below lsd, Oct. 12, 1948. Records available: 1940-52. May 1, 3.47; July 10, 3.24; Oct. 8, 5.61.

96-21-17C1. Clear Lake Sand & Gravel Co. Drilled industrial water-table well in glacial sand, diameter 8 inches, depth 22 feet, cased with iron, sand point on bottom. Land-surface datum is about 1,203 feet above msl. Highest water level 13.13 below lsd, June 28, 1951; lowest 20.78 below lsd, Dec. 28, 1949. Records available: 1940-52. Jan. 29, 18.29; May 1, 18.98; July 10, 17.03; Oct. 8, 18.50.

96-21-17M1. Sam Kennedy. Dug unused water-table well in glacial drift, diameter 24 inches, depth 5 feet, cribbed with concrete blocks. Land-surface datum is about 1,204 feet above msl. Highest water level 0.51 below lsd, June 19, 1941; lowest dry, Oct. 8, 1952. Records available: 1940-52. Jan. 29, 2.54; May 1, 2.38; July 10, 1.13; Oct. 8, dry.

96-21-18H1. Sam Kennedy. Drilled domestic water-table well in glacial drift, diameter 12 inches, depth 14 feet. Land-surface datum is about 1,211 feet above msl. Highest water level 3.45 below lsd, July 3, 1945; lowest 12.04 below lsd, Dec. 28, 1949. Records available: 1940-50. No measurement made in 1952.

96-20-3L2. City of Mason City well 8. Drilled municipal artesian well in Jordan sandstone, diameter 20 to 10 inches, depth 1,225 feet, cased 0-99, 349-710. Land-surface datum is 1,098.3 feet above msl. Water levels affected by pumping of nearby wells. Highest water level 155.9 below lsd, Mar. 26, 1944; lowest 297.0 below lsd, Nov. 27, 1951. Records available: 1941-46, 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	236.0	Feb. 6	238.0	Mar. 11	241.0	Apr. 10	239.0
15	a277.0	12	a280.0	19	a280.0	18	a273.0
21	a277.0	26	a279.0	25	a279.0	28	a268.0
29	a277.0	Mar. 4	a279.0	Apr. 3	a267.0		

a Pumping.

96-20-3P1. Minneapolis & St. Louis Railroad Co. Drilled unused artesian well in St. Peter sandstone, diameter 12 to 10 inches, depth 805 feet, cased 0-30, 614-730. Land-surface datum is 1,120 feet above msl. Highest water level 32.91 below lsd, May 8, 1951; lowest 55.07 below lsd, Sept. 29, 1949. Records available: 1941-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44.05	44.28	42.59	40.63	39.02	.....	41.62	.....	.....	.....	45.43	45.87
2	43.93	44.11	42.51	40.43	39.12	.....	41.67	.....	.....	.....	45.57	46.04
3	43.99	44.04	.....	40.29	39.19	.....	41.85	.....	.....	.....	45.64	46.07
4	43.85	44.03	42.75	40.29	39.07	.....	41.90	.....	.....	.....	45.43	46.05
5	43.94	44.19	42.86	40.27	39.21	.....	41.88	.....	.....	.....	45.33	46.12
6	44.02	44.29	42.89	40.21	39.43	.....	41.88	.....	.....	44.74	45.49	46.01
7	43.82	44.15	42.88	40.10	39.30	.....	41.75	.....	.....	44.84	45.44	46.06
8	43.87	44.27	42.71	40.07	39.35	.....	41.28	.....	.....	44.69	45.42	45.98
9	44.16	44.20	42.59	40.22	.....	.....	41.01	.....	.....	44.84	45.49	46.21
10	44.35	43.74	42.57	40.49	.....	.....	40.87	.....	.....	44.88	45.42	46.29
11	44.15	43.54	42.89	40.31	.....	.....	40.91	.....	.....	44.83	45.40	46.11
12	44.33	43.21	42.62	40.17	.....	.....	40.95	.....	.....	44.74	45.46	46.46
13	44.10	43.05	42.86	40.08	.....	.....	40.85	.....	.....	44.81	45.43	46.44
14	43.84	43.00	42.96	40.18	.....	.....	40.83	.....	.....	45.02	45.46	46.36
15	44.35	42.92	42.90	40.22	.....	.....	40.80	.....	.....	44.95	45.67	46.26
16	44.08	42.86	42.81	40.12	.....	.....	40.81	.....	.....	45.08	45.61	46.37
17	44.25	42.80	42.45	39.97	.....	.....	.....	.....	.....	45.34	45.47	46.44
18	44.35	42.72	42.28	.....	.....	.....	.....	.....	.....	45.10	45.60	46.60
19	43.99	42.66	42.16	39.72	.....	41.42	.....	.....	.....	45.17	45.69	46.49
20	44.26	42.76	41.89	39.65	.....	41.30	.....	.....	.....	45.30	45.69	46.47
21	43.88	43.03	41.73	39.49	39.94	41.33	.....	.....	.....	45.16	45.87	46.49
22	43.85	43.00	41.28	39.68	40.05	41.27	.....	.....	.....	45.15	45.81	46.34
23	44.36	43.01	41.34	39.77	40.05	41.19	.....	.....	.....	45.25	45.80	46.47
24	44.30	43.08	41.36	39.81	40.14	41.22	.....	.....	.....	45.24	45.71	46.65
25	44.02	43.05	41.66	39.84	40.10	41.38	.....	.....	.....	45.27	45.61	46.62
26	44.22	43.03	42.53	38.00	40.08	41.61	.....	.....	.....	45.25	45.71	46.52
27	44.26	42.95	42.44	38.78	40.20	41.58	.....	.....	.....	45.28	45.96	46.68
28	44.27	42.88	42.38	38.81	.....	41.55	.....	.....	.....	45.50	45.97	46.43
29	44.35	42.76	41.98	38.94	.....	41.53	.....	.....	.....	45.40	45.93	46.33
30	44.24		41.26	38.99	.....	41.52	.....	.....	.....	45.26	46.10	46.60
31	44.21		40.77		.....		.....	.....		45.53		46.65

96-20-9J1. Glen Swartz. Drilled unused artesian well in limestone of Devonian age, diameter 10 inches, depth 195 feet, cased 0-19. Land-surface datum is about 1,117 feet above msl. Highest water level 3.85 below lsd, Apr. 17, 1951; lowest 12.47 below lsd, Feb. 6, 1951. Records available: 1950-52. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	11.12	Feb. 6	12.44	Mar. 12	10.89	Apr. 9	8.34
8	11.49	12	10.86	19	10.48	17	8.38
15	11.57	27	11.07	25	10.04	23	7.94
21	11.58	Mar. 4	11.08	Apr. 3	7.99	29	8.47
29	11.49						

96-20-16J1. City of Mason City well 11. Drilled municipal artesian well in Jordan sandstone, diameter 20 to 10 inches, depth 1,306 feet, cased 0-143, 713-900. Land-surface datum is about 1,168 feet above msl. Highest water level 162.23 below lsd, June 25, 1942; lowest 284.20 below lsd, Sept. 8, 1948. Records available: 1939-43, 1947-52.

Jan. 2	222.0	Jan. 29	218.00	Mar. 4	216.4	Apr. 3	216.2
8	219.9	Feb. 6	217.90	12	215.7	9	216.2
15	220.6	12	218.1	19	216.2	29	215.5
21	220.4	27	216.2	26	216.1		

95-22-3B1. Knut Olson. Drilled domestic and stock artesian well in limestone of Devonian age, diameter 4 inches, depth 134 feet. Land-surface datum is about 1,259 feet above msl. Highest water level 14.34 below lsd, July 3, 1945; lowest 20.50 below lsd, Dec. 28, 1949. Records available: 1941-52. Jan. 29, 16.26; May 1, 15.80; July 10, 15.80; Oct. 8, 17.50.

95-21-27Q1. Dave Blankenship. Drilled unused artesian well in limestone of Devonian age, diameter 5 inches, depth 114 feet. Land-surface datum is 1,172 feet above msl. Highest water level 15.80 below lsd, Mar. 25, 1942; lowest 26.30 below lsd, Oct. 13, 1948. Records available: 1941-52. Jan. 29, 20.55; May 1, 18.14; July 10, 18.37; Oct. 8, 22.39.

94-22-24J1. First National Bank. Thornton. Drilled unused water-table well in glacial drift, diameter 10 inches, depth 34 feet, lined with tile. Land-surface datum is about 1,191 feet above msl. Highest water level 9.50 below lsd, June 28, 1951; lowest 13.36 below lsd, Oct. 13, 1948. Records available: 1941-52. Jan. 29, 11.40. Measurement discontinued.

Clay County

96-35-3R1. Allis Wilson. Dug stock water-table well in glacial gravel, size 4 by 4 feet, depth 8 feet, cribbed with wood. Highest water level 2.53 below lsd, Oct. 11, 1946; lowest 6.75 below lsd, Oct. 2, 1940. Records available: 1940-52. Jan. 10, 4.00; Apr. 30, 3.63; July 22, 4.08; Oct. 29, 4.96.

Delaware County

89-5-29J1. City of Manchester well 2. Prospect and Union Aves. Drilled unused artesian well in dolomite of Silurian age, depth 197 feet, diameter 12 to 10 inches, cased 0-107. Land-surface datum is about 945 feet above msl. Water levels affected by pumping of nearby wells. Highest water level 13.5 below lsd, June 8, 1951; lowest 46.6 below lsd, Mar. 23, 1951. Records available: 1949-52.

Daily highest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	....	21.4	19.9	16.0	19.0	18.2	21.1	23.1	22.8
2	....	21.4	20.2	16.1	18.4	17.8	21.4	25.6	23.1
3	....	21.1	20.2	15.9	18.8	18.3	21.9	23.9	23.5
4	20.4	20.8	19.8	15.8	18.5	17.8	21.6	22.3	24.0
5	20.5	20.6	....	16.0	18.2	18.1	21.4	22.5	23.2
6	20.6	20.6	20.1	15.9	18.2	19.4	22.0	22.8	23.0
7	21.0	21.1	20.3	15.8	18.7	19.8	21.4	23.0	23.4
8	20.9	21.0	20.7	16.1	18.4	20.2	21.6	23.1	23.7
9	20.8	20.5	20.1	16.1	18.3	19.2	21.8	22.5	23.8
10	20.7	20.6	19.8	16.0	18.6	19.5	22.0	22.7	23.6
11	21.0	20.0	19.9	16.9	18.4	20.0	22.2	22.3	23.9
12	20.8	20.0	20.1	15.3	18.0	19.9	23.5	22.2	24.0
13	20.4	19.9	19.6	16.1	18.3	20.7	22.7	22.3	23.5
14	20.5	20.0	19.4	15.7	18.1	20.1	21.7	22.1	23.7
15	20.7	19.8	19.5	17.2	18.1	19.8	21.3	22.7	24.0

89-5-29J1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
16	20.3	20.0	19.0	16.3	18.7	19.6	21.4	22.7	23.6
17	19.9	19.9	18.5	16.7	18.9	20.0	21.4	22.5	23.7
18	21.1	19.8	18.3	16.2	18.9	20.1	21.1	22.6	23.8
19	20.0	19.9	17.9	16.3	18.6	20.8	21.7	22.6	23.9
20	20.1	19.6	18.1	15.5	19.3	20.5	21.4	22.1	23.7
21	19.5	20.4	17.9	16.1	18.7	20.0	21.3	22.8	....
22	19.4	20.3	18.3	16.1	18.6	20.0	21.2	23.3	....
23	20.0	19.9	17.5	15.8	18.8	19.6	22.1	22.5	....
24	20.7	19.9	17.6	16.0	18.1	20.2	21.7	22.4	....
25	20.1	19.7	17.5	17.8	17.7	20.0	21.5	22.5	....
26	20.7	19.7	17.3	17.8	17.5	20.8	21.2	22.3	....
27	21.8	19.6	17.2	17.8	17.9	21.6	24.1	24.3	....
28	21.7	19.7	17.1	17.3	18.0	20.7	22.6	23.2	....
29	20.8	19.9	17.0	18.2	17.7	21.2	22.3	23.2	....
30	21.5		16.8	18.5	18.1	20.4	22.8	23.0	....
31	20.7		16.2		18.3		22.7	22.9	

* No record for October, November, and December.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	....	36.7	35.2	30.1	33.9	32.7	37.4	38.4	38.6
2	....	36.7	35.0	30.1	33.7	33.3	37.4	39.4	39.4
3	....	36.0	35.1	29.9	33.1	33.5	37.5	38.3	39.3
4	36.0	36.6	35.3	29.9	33.3	30.1	37.4	37.5	39.4
5	36.0	36.5	35.3	30.8	33.2	34.1	35.9	39.3	39.1
6	35.8	36.6	35.5	30.6	34.3	34.5	36.5	38.3	39.3
7	35.6	36.7	36.7	30.8	33.7	35.0	36.8	38.2	40.0
8	35.6	35.9	35.6	29.7	33.4	35.2	37.1	38.7	40.1
9	36.2	36.6	35.3	....	34.0	34.9	37.9	39.2	40.1
10	35.9	35.9	34.1	30.0	33.8	36.0	38.6	38.0	40.8
11	36.0	33.8	36.2	31.5	33.4	34.9	38.6	38.3	41.1
12	35.7	34.5	34.1	29.5	33.5	36.4	39.4	37.9	40.4
13	36.0	34.6	34.2	30.5	32.7	35.2	38.8	37.7	40.1
14	35.1	35.6	34.4	31.8	32.3	35.2	38.5	39.0	40.8
15	35.2	35.8	34.7	31.2	33.1	35.1	37.5	39.1	40.0
16	34.8	34.9	34.3	30.8	33.5	35.1	37.7	38.8	40.1
17	....	34.9	34.8	31.0	34.1	35.5	38.0	38.4	40.7
18	34.9	35.0	34.7	30.3	33.8	36.8	38.1	38.6	40.0
19	35.8	34.4	35.2	29.5	34.2	36.9	38.1	38.4	39.6
20	34.9	35.8	....	30.7	34.2	35.7	37.5	38.6	38.6
21	33.8	35.9	33.1	29.0	32.9	35.6	37.0	38.9	....
22	34.9	34.7	32.1	30.5	32.6	35.2	37.5	38.9	....
23	35.8	35.4	32.3	31.3	32.7	35.4	38.2	38.8	....
24	35.2	35.0	32.2	30.6	32.5	36.1	37.9	38.5	....
25	36.2	33.5	32.2	32.2	32.9	36.8	38.4	38.4	....
26	36.0	34.4	32.6	32.6	32.2	36.6	39.0	38.3	....
27	36.6	34.1	31.6	32.3	32.6	36.4	39.0	39.2	....
28	36.5	35.2	32.4	32.6	31.7	37.0	38.8	39.5	....
29	36.1	35.5	32.4	33.3	32.3	36.2	38.1	39.5	....
30	36.6		31.3	33.7	33.0	37.1	38.5	39.2	....
31	36.1		....		32.7		38.5	38.7	

* No record for October, November, and December.

Des Moines County

69-3-6A1. Iowa Ordnance Plant well 3. Drilled unused artesian well in St. Peter sandstone, diameter 16 inches, depth 1,205 feet, cased 0-855. Land-surface datum is about 717 feet above msl. Highest water level 162.70 below lsd, Mar. 27, 1950; lowest 176.50 below lsd, Oct. 7, 1952. Records available: 1950-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	167.11	166.74	166.86	.....	166.95	166.92	170.23	174.59	174.95	176.03	.....	170.86
2	167.16	166.69	166.58	.....	166.99	166.74	170.87	174.58	175.02	176.38	.....	170.79
3	167.23	166.42	166.53	.....	167.11	.....	171.47	174.52	175.26	176.30	.....	170.65
4	166.72	166.47	166.80	.....	167.06	.....	172.05	174.60	175.27	176.25	.....	170.43
5	166.94	166.46	167.10	.....	166.98	166.83	172.44	174.82	175.24	176.33	.....	170.35

69-3-6A1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	167.07	166.75	167.16	.....	167.21	166.90	172.59	174.85	175.25	176.44	.....	170.17
7	166.81	166.61	167.14	.....	167.09	166.93	172.70	174.80	175.43	176.50	.....	170.07
8	166.48	166.52	.....	.....	167.12	166.84	172.96	174.58	175.42	176.37	.....	169.82
9	166.83	166.65	.....	.....	166.88	166.92	173.01	174.53	175.44	176.38	.....	169.91
10	167.24	166.42	.....	.....	167.03	166.90	173.01	174.61	175.46	176.45	174.05	170.00
11	166.91	166.75	.....	.....	166.95	166.84	173.17	174.51	175.55	176.30	173.83	169.80
12	166.94	166.62	.....	166.80	167.09	166.73	173.42	174.74	175.60	176.07	173.85	170.07
13	166.65	166.53	.....	166.65	167.13	166.77	173.52	174.75	175.65	176.14	173.72	169.99
14	166.36	166.78	166.83	166.94	166.72	166.81	173.54	174.77	175.76	176.35	173.65	169.90
15	166.86	166.78	166.92	167.09	166.84	166.82	173.70	174.63	175.83	176.29	173.97	169.83
16	166.75	166.66	166.95	167.20	166.90	166.70	173.73	174.81	175.76	.....	173.24	.....
17	166.53	166.76	166.72	167.10	167.01	166.97	173.86	174.96	175.63	176.46	173.14	.....
18	166.91	166.68	166.23	167.00	167.08	167.02	173.86	175.10	175.64	176.39	173.02	.....
19	166.14	166.47	166.58	166.92	166.99	167.14	173.93	175.04	175.95	176.18	173.87	.....
20	166.92	166.59	166.66	166.95	166.84	167.06	173.83	174.99	176.14	176.47	172.72	.....
21	166.60	166.91	166.87	166.92	166.86	167.15	173.94	175.02	176.21	176.32	172.44	.....
22	166.35	166.91	166.51	166.91	166.85	167.39	173.99	175.15	.....	176.07	172.09	.....
23	.....	166.85	166.78	.....	166.87	167.40	174.22	175.07	176.19	175.98	172.02	.....
24	.....	166.96	166.82	.....	166.79	167.42	174.36	174.99	176.21	.....	171.82	.....
25	.....	167.08	166.98	167.08	166.87	167.43	174.25	174.96	176.11	.....	171.05	.....
26	166.62	166.79	167.14	167.01	166.90	167.71	174.34	175.04	176.19	.....	171.15	.....
27	166.86	166.65	167.23	166.97	166.82	167.74	174.36	174.90	176.14	.....	171.40	.....
28	166.90	166.55	167.13	167.00	166.99	168.02	174.32	174.84	176.07	.....	171.45	.....
29	167.00	166.59	167.14	167.02	166.95	167.92	174.44	174.90	176.24	.....	171.14	.....
30	166.92		166.98	167.03	.....	169.25	174.46	174.88	176.18	.....	171.25	.....
31	166.76		166.76		.....		174.70	174.82		.....		.....

69-3-6R1. Iowa Ordnance Plant well 2. Drilled unused artesian well in limestone of Mississippian and Devonian age, diameter 19 inches, depth about 675 feet, cased 0-75. Land-surface datum is about 699 feet above msl. Highest water level 78.45 below lsd, June 25, 1952; lowest 83.19 below lsd, Apr. 6, 1950. Records available: 1950-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	80.31	80.05	79.79	79.36	79.11	78.82	79.16	80.29	80.60	80.80	.....	.....
2	80.54	80.05	79.70	79.46	79.09	78.78	79.27	80.18	80.66	81.00	.....	79.62
3	80.64	79.84	79.61	79.45	.....	78.68	79.39	80.13	80.84	81.07	.....	79.61
4	80.39	79.78	79.64	79.43	.....	78.76	79.63	80.08	80.88	80.95	.....	79.47
5	80.34	79.78	80.00	79.49	79.02	78.68	79.78	80.22	80.88	81.00	.....	79.43
6	80.42	79.98	80.13	79.59	79.11	78.69	79.82	80.29	80.87	81.10	.....	79.37
7	80.36	79.98	80.17	79.58	79.12	78.71	79.81	80.28	80.98	81.20	.....	79.25
8	79.99	79.77	.....	79.46	79.03	78.64	79.89	80.15	80.98	81.14	.....	79.14
9	80.14	79.95	.....	79.37	78.87	78.66	79.93	80.09	80.97	81.09	.....	79.18
10	80.45	79.78	.....	79.57	78.91	78.64	79.90	80.38	80.97	81.16	.....	79.28
11	80.41	79.88	.....	79.58	78.90	78.65	79.91	80.50	80.98	81.09	80.38	79.27
12	80.33	79.88	.....	79.29	78.94	78.53	80.06	80.65	80.94	80.91	80.37	79.36
13	80.18	79.80	.....	79.04	.....	78.54	80.09	80.73	80.91	80.91	80.31	79.42
14	79.99	79.89	.....	79.18	.....	78.56	80.05	80.66	80.91	81.05	80.18	79.39
15	80.04	79.98	79.67	79.41	78.80	78.59	80.08	80.57	80.99	81.08	80.26	79.37
16	80.18	79.92	79.71	79.54	78.89	78.48	80.09	80.54	80.90	.....	80.22	79.32
17	79.92	79.90	79.61	79.52	78.98	78.58	80.14	80.68	80.72	81.11	80.06	79.23
18	60.16	79.91	79.24	79.43	79.05	78.62	80.14	80.77	80.66	81.21	79.98	79.41
19	79.83	79.75	79.20	79.33	78.99	78.65	80.15	80.75	80.85	81.07	79.98	79.38
20	80.09	79.73	79.37	79.29	78.86	78.61	80.04	80.67	81.00	81.31	79.95	79.11
21	80.15	79.92	79.54	79.26	78.82	78.50	80.01	80.68	81.08	81.36	79.92	79.24
22	79.79	80.04	79.32	79.20	78.78	78.56	80.00	80.85	81.05	81.21	79.85	79.12
23	80.15	79.98	79.34	79.25	78.76	78.56	80.07	80.88	81.08	81.12	79.63	.....
24	80.39	79.98	79.42	79.30	78.71	78.51	80.20	80.85	81.10	.....	79.84	.....
25	80.05	80.09	.....	79.29	78.73	78.45	80.13	80.82	81.05	.....	.....	.....
26	79.92	79.93	.....	79.24	78.80	78.56	80.12	80.80	81.04	.....	.....	.....
27	80.13	79.79	.....	79.16	78.78	78.65	80.16	80.77	81.05	.....	.....	.....
28	80.19	79.57	.....	79.16	78.87	78.73	80.07	80.75	80.92	.....	.....	.....
29	80.27	79.61	79.59	79.16	78.90	78.72	80.18	80.73	80.97	.....	.....	.....
30	80.26		79.50	79.17	78.73	78.95	80.15	80.70	80.97	.....	.....	79.02
31	80.13		79.30		78.66		80.30	80.61		.....		79.06

Dickinson County

99-36-6G1. Charles Miller. Drilled unused water-table well in glacial drift, diameter 16 inches, depth 34 feet, lined with tile. Highest water level 0.56 above lsd, June 30, 1945; lowest 6.50 below lsd, Dec. 20, 1940. Records available: 1940-52. Apr. 29, 0.38; July 22, 1.34; Oct. 29, 2.92.

Dubuque County

89-3E-7Q1. City of Dubuque well 2. Drilled unused artesian well in sandstone of Cambrian age, diameter 8 inches, depth 1,306 feet, cased to 1,000. Land-surface datum is about 611 feet above msl. Water levels affected by pumping of nearby wells. Highest water level 17.17 below lsd, Apr. 21, 1947; lowest 130.50 below lsd, Aug. 12, 1952. Records available: 1947-52.

Daily highest water level from recorder graph*

Day	Jan.	Feb.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	.....	75.00	.....	68.30	.....	70.40	77.30	.....	70.30
2	.....	72.80	.....	56.90	.....	73.20	61.30	.....	76.50
3	.....	68.00	.....	64.20	.....	79.80	64.70	66.70	61.80
4	.....	68.00	.....	63.40	.....	66.20	65.00	64.30	55.60
5	.....	61.60	.....	.....	.....	68.50	65.00	74.00	55.20
6	.....	64.40	.....	65.60	.....	67.70	.....	61.00	.....
7	.....	58.40	.....	72.80	.....	69.70	.....	66.10	.....
8	.....	64.40	.....	77.70	.....	69.40	.....	63.10	72.70
9	.....	.....	.....	61.70	.....	68.70	.....	65.70	75.50
10	.....	.....	.....	67.70	.....	75.80	.....	67.50	74.80
11	.....	.....	.....	71.20	.....	74.70	.....	66.50	63.00
12	.....	.....	.....	70.50	.....	64.10	.....	74.50	63.00
13	.....	.....	.....	68.30	.....	.....	.....	61.70	.....
14	.....	.....	67.00	73.80	.....	76.20	.....	63.30	.....
15	.....	.....	64.10	82.10	.....	.....	.....	64.10	.....
16	.....	.....	67.10	74.00	.....	.....	.....	60.00	.....
17	.....	.....	69.00	70.60	.....	74.00	.....	69.80	.....
18	.....	.....	72.70	74.80	.....	63.40	.....	64.30	.....
19	68.90	.....	63.60	73.80	.....	77.00	.....	73.70	.....
20	71.60	.....	64.50	76.00	.....	78.00	.....	61.20	.....
21	66.00	.....	66.40	69.00	.....	73.50	.....	62.70	.....
22	59.40	.....	70.00	71.20	82.00	74.00	.....	63.00	.....
23	61.80	.....	.....	70.80	77.50	78.80	.....	63.80	.....
24	61.20	.....	.....	67.20	76.00	75.10	.....	65.70	.....
25	59.80	.....	72.80	70.90	69.60	61.20	.....	67.80	.....
26	65.50	.....	59.40	.....	76.20	65.60	.....	76.20	.....
27	67.00	.....	63.50	.....	81.20	66.10	.....	63.10	.....
28	64.30	.....	62.70	.....	84.70	69.80	.....	65.70	.....
29	63.40	.....	64.70	.....	70.20	69.10	.....	64.50	.....
30	62.10		72.30	.....	70.90	70.70	.....	61.50	.....
31	67.40		62.90		71.50	78.50		66.90	

* No record for March, April, and December.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	.....	116.40	.....	90.90	.....	105.80	102.60	.....	115.00
2	.....	122.30	.....	96.10	.....	110.00	102.50	.....	106.00
3	.....	108.70	.....	.....	.....	115.20	105.30	106.20	90.60
4	.....	113.50	.....	.....	.....	107.50	106.00	107.40	92.90
5	.....	112.00	.....	.....	.....	109.30	106.50	104.20	99.30
6	.....	120.10	.....	108.80	.....	108.50	.....	101.80	.....
7	.....	114.40	.....	113.40	.....	109.70	.....	105.00	.....
8	.....	118.70	.....	110.50	.....	112.30	.....	99.30	104.00
9	.....	.....	.....	99.30	.....	111.90	.....	100.70	107.50
10	.....	.....	.....	109.00	.....	107.20	.....	107.70	102.00
11	.....	.....	.....	111.80	.....	107.40	.....	106.00	99.80
12	.....	.....	.....	110.60	.....	130.50	.....	104.00	97.30
13	.....	.....	.....	109.50	.....	.....	.....	100.90	.....
14	.....	.....	107.50	114.60	.....	.....	.....	100.00	.....
15	.....	.....	103.40	112.20	.....	.....	.....	104.70	.....
16	.....	.....	107.40	110.00	.....	.....	.....	104.00	.....
17	.....	.....	110.60	107.50	.....	109.00	.....	109.50	.....
18	103.40	.....	103.00	113.30	.....	114.60	.....	103.80	.....
19	110.10	.....	102.80	114.20	.....	105.50	.....	102.10	.....
20	110.10	.....	101.60	113.60	.....	108.60	.....	99.20	.....

89-3E-7Q1--Continued.

Day	Jan.	Feb.	May	June	July	Aug.	Sept.	Oct.	Nov.
21	105.90	.....	108.60	111.20	106.20	114.00	.....	103.40	.....
22	106.60	.....	.....	106.40	113.90	108.50	.....	98.60	.....
23	108.60	.....	.....	102.60	117.50	104.80	.....	100.70	.....
24	108.00	.....	.....	.....	111.40	104.80	.....	108.20	.....
25	107.70	.....	.....	113.50	112.50	107.50	.....	104.30	.....
26	105.40	.....	96.50	.....	106.50	109.30	.....	101.40	.....
27	102.40	.....	.....	.....	112.20	109.60	.....	103.70	.....
28	108.40	.....	99.50	.....	118.20	109.10	.....	105.20	.....
29	109.40	.....	.....	.....	110.20	113.40	.....	100.00	.....
30	111.40		.....	.....	106.80	111.00	.....	99.60	.....
31	.....		98.50		113.00	113.70		107.50	

* No record for March, April, and December.

Emmet County

100-32-11R1. Okamanpedan State Park. Drilled artesian well in Dakota sandstone, diameter 6 inches, depth 277 feet. Land-surface datum is about 1,233 feet above msl. Highest water level 59.60 below lsd, Dec. 19, 1946; lowest 64.80 below lsd, Mar. 28, 1945. Records available: 1939-52. Jan. 10, 63.96; Apr. 30, 63.70; July 23, 63.82; Oct. 29, 64.24.

Henry County

71-6-9B1. City of Mount Pleasant well 2. Drilled municipal artesian well in Jordan sandstone, diameter 10 to 6 inches, depth 1,820 feet, cased to 678. Land-surface datum is about 732 feet above msl. Water levels affected by pumping of nearby well. Highest water level 132.40 below lsd, Sept. 5, 1945; lowest 187.20 below lsd, Oct. 23, 1946. Records available: 1945-52. Jan. 31, 150.34; Apr. 24, 149.02; July 10, 150.95; Oct. 28, 151.27.

71-6-9B2. City of Mount Pleasant well 4. Drilled municipal artesian well in limestone of St. Lawrence formation, diameter 20 to 19 inches, depth 1,860 feet, cased to 623. Land-surface datum is about 732 feet above msl. Water levels affected by pumping of nearby well. Highest water level 132.00 below lsd, May 5, 1946; lowest 167.50 below lsd, Apr. 30, 1946. Records available: 1946-50. No measurement made in 1952.

71-6-9M1. City of Mount Pleasant well 3. Drilled municipal artesian well in Jordan sandstone, diameter 16 to 8 inches, depth 1,802 feet, cement plug 1,794 to 1,802, cased to 1,689. Land-surface datum is about 671 feet above msl. Water levels affected by pumping of nearby well. Highest water level 71.60 below lsd, Dec. 31, 1945; lowest 188.35 below lsd, Sept. 5, 1945. Records available: 1945-50, 1952. Jan. 31, 81.99; Apr. 24, 82.65; July 10, 83.07; Oct. 28, 82.70.

Ida County

89-40-35D1. City of Holstein well 3. Drilled municipal artesian well in Dakota sandstone, diameter 16 to 10 inches, reported depth 645 feet, cased to 549, screen 545-645. Land-surface datum is about 1,454 feet above msl. Highest water level 317.90 below lsd, Oct. 24, 1945; lowest 332.85 below lsd, Mar. 25, 1948. Records available: 1939, 1945, 1948-50. No measurement made in 1952.

Jasper County

80-18-31C1. P. W. Beukema. Dug unused water-table well in glacial drift, diameter 36 inches, depth 37 feet, cribbed with brick. Highest water level 2.67 below lsd, June 10, 1947; lowest 27.15 below lsd, Dec. 18, 1948. Records available: 1940-52. Jan. 29, 14.37; Apr. 22, 11.19; July 17, 14.37; Oct. 30, 18.81.

80-17-17K2. State Conservation Commission test hole 19. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 7 inches, depth 122 feet, cased to 27. Land-surface datum is about 903 feet above msl. Highest water level 45.68 below lsd, Aug. 31, 1952; lowest 59.38 below lsd, Aug. 11, 1950. Records available: 1950-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.12	55.69	55.40	.....	54.02	.....	49.37	46.78	45.91	48.82	50.69	51.55
2	55.99	55.50	55.19	.....	54.03	.....	49.28	46.76	45.98	49.06	50.97	51.66
3	56.00	55.50	55.27	54.57	54.01	.....	49.30	46.62	46.20	48.88	51.06	51.64
4	55.68	55.55	.....	54.61	53.86	.....	49.19	46.74	46.14	49.06	50.77	51.62
5	55.85	55.61	.....	54.65	53.82	.....	49.05	46.80	46.20	49.19	50.89	51.69

80-17-17K2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	55.96	55.69	.....	54.65	53.92	.....	48.83	46.72	46.43	49.38	51.11	51.46
7	.....	55.42	.....	54.53	53.63	.....	48.82	46.57	46.49	49.46	51.08	51.63
8	.....	55.59	.....	54.38	53.73	.....	48.77	46.57	46.52	49.36	51.03	51.50
9	.....	55.46	.....	54.60	53.56	.....	48.56	46.50	46.66	49.54	51.21	51.77
10	.....	55.35	.....	54.78	53.66	.....	48.41	46.46	46.78	49.58	51.22	51.82
11	.....	55.56	.....	54.45	53.49	.....	48.42	46.43	46.92	49.52	51.12	51.56
12	.....	55.39	.....	54.35	53.58	.....	48.36	46.47	46.94	49.56	51.20	51.93
13	.....	55.41	.....	54.35	53.50	50.91	48.22	46.33	47.03	49.73	51.15	51.87
14	.....	55.62	.....	54.62	53.08	50.94	48.04	46.25	47.29	49.94	51.15	51.79
15	.....	55.52	.....	54.68	53.34	50.72	48.04	46.10	47.34	49.79	51.35	51.76
16	.....	55.41	.....	54.66	53.34	50.60	47.90	46.26	47.32	49.85	51.38	51.77
17	55.78	55.50	.....	54.58	53.32	50.66	47.89	46.26	47.39	50.20	51.35	51.82
18	55.86	.....	.....	54.46	53.24	50.54	47.80	46.24	47.56	50.00	51.43	51.99
19	55.40	.....	.....	54.40	53.11	50.56	47.70	46.06	47.83	50.18	.....	.....
20	55.99	.....	54.75	54.45	.....	50.30	47.47	46.02	47.97	50.44	.....	.....
21	55.43	.....	54.84	54.35	.....	50.30	47.54	46.15	48.09	50.31	51.58	.....
22	55.55	55.42	54.44	.....	.....	50.22	47.42	46.18	48.14	50.24	51.56	.....
23	55.98	55.37	54.70	.....	.....	50.01	47.59	.....	48.24	50.39	51.66	.....
24	55.72	55.46	54.70	.....	.....	.....	47.46	45.97	48.26	50.34	51.57	.....
25	55.40	55.45	54.74	.....	.....	.....	47.18	45.91	48.32	50.37	51.16	.....
26	55.66	55.24	54.80	.....	.....	.....	47.30	45.79	48.51	.....	51.64	.....
27	55.70	55.16	54.73	.....	.....	.....	47.11	45.76	48.44	.....	51.82	.....
28	55.73	55.26	54.65	54.18	.....	49.70	47.11	45.83	48.51	.....	51.79	.....
29	55.76	55.30	54.59	54.18	.....	49.62	47.02	45.78	48.76	.....	51.70	.....
30	55.62		54.52	54.13	.....	49.50	47.03	45.71	48.66	.....	51.80	.....
31	55.57		.....		.....		47.03	45.68		50.76		.....

80-17-17L4. State Conservation Commission test hole 4. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 7 inches, depth 85 feet, cased to 32. Land-surface datum is about 852 feet above msl. Highest water level 2.80 above lsd, June 29, 1952; lowest 9.40 below lsd, Oct. 20, 1950. Records available: 1950-52.

Daily noon water level, above and below lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-4.57	-3.51	-3.78	....	-1.36	....	....	....	....	-1.88	-2.80	-2.40
2	4.51	3.40	3.59	-2.29	1.36	....	....	....	....	2.14	3.03	2.46
3	4.52	3.39	....	2.32	1.30	....	....	....	....	2.02	3.11	2.41
4	4.20	3.47	....	2.41	1.16	....	....	....	....	2.12	....	2.39
5	4.34	3.52	....	2.49	1.12	....	....	....	+2.60	2.20	....	2.40
6	4.45	3.68	....	2.57	1.18	....	....	....	2.23	2.33	....	2.27
7	....	3.58	....	2.50	.95	....	....	....	1.93	2.37	....	2.35
8	....	3.63	....	2.40	.98	....	....	....	1.67	2.28	....	2.22
9	....	3.63	....	2.60	.78	....	....	....	1.18	2.37	....	2.29
10	....	3.49	....	2.80	.80	....	....	....	.79	2.41	....	2.32
11	....	3.68	....	2.60	.65	....	....	....	.57	2.33	....	2.13
12	....	3.57	....	2.45	.70	+1.35	....	....	.39	2.32	....	2.40
13	....	3.59	....	2.35	.63	1.36	....	....	+.20	2.44	....	2.36
14	....	3.77	....	2.53	.34	1.51	....	....	-.08	2.58	....	2.31
15	....	3.73	....	2.62	.52	1.57	....	....	.52	2.48	....	2.30
16	....	3.63	....	2.65	.48	1.69	....	....	.67	2.51	....	2.29
17	3.77	....	....	2.62	.44	1.67	....	....	.75	2.73	....	2.32
18	3.93	....	....	2.52	-.40	1.79	....	....	.92	2.61	....	2.46
19	3.19	....	....	2.54	....	1.77	....	....	1.18	2.67	....	2.28
20	3.58	....	1.85	2.55	....	2.04	....	....	1.32	2.88	....	2.18
21	2.98	....	2.10	2.44	....	2.22	....	....	1.40	2.75	2.20	2.21
22	3.15	3.73	1.71	....	....	2.25	....	....	1.43	2.65	2.71	2.04
23	3.51	3.69	2.03	....	....	2.39	....	....	1.51	2.75	2.75	2.12
24	3.55	3.76	2.13	....	....	2.47	....	....	1.55	2.69	2.69	2.25
25	3.34	3.78	2.22	....	....	2.54	....	....	1.57	2.69	2.36	2.22
26	3.54	3.60	2.28	....	....	2.45	....	....	1.70	2.75	2.42	2.13
27	3.71	3.53	....	....	....	2.67	....	....	1.70	2.83	2.59	2.25
28	3.75	3.58	....	1.56	....	2.76	....	....	1.69	2.96	2.60	2.09
29	3.82	3.64	....	1.52	....	....	....	....	1.90	2.85	2.45	1.96
30	3.73		....	1.45	....	....	....	....	1.84	2.66	2.60	2.16
31	3.66		....		....		....	....		2.83		2.18

80-17-17M2. State Conservation Commission test hole 31. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 7 inches, depth 189 feet, cased to 108. Land-surface datum is about 954 feet above msl. Highest water level 103.21 below lsd, Oct. 16, 1952; lowest 109.01 below lsd, Nov. 3, 1950. Records available: 1950-52.

80-17-17M2--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	107.48	107.02	106.96	.....	106.24	.....	105.31	104.47	103.77	103.55	103.60	103.97
2	107.45	106.82	.....	106.61	106.29	.....	105.24	104.42	103.82	103.95	103.90	104.01
3	107.43	106.71	.....	106.60	106.35	.....	105.34	104.27	104.01	103.66	104.21	103.94
4	106.86	106.81	.....	106.67	106.19	.....	105.36	104.39	103.92	103.72	103.67	103.86
5	107.04	.....	.....	106.74	106.13	.....	105.27	104.55	103.84	103.78	103.48	103.92
6	107.22	.....	.....	106.78	106.37	.....	105.08	104.53	103.98	103.94	103.94	103.64
7	.....	106.90	.....	106.59	106.05	.....	105.12	104.39	103.96	103.99	103.94	103.78
8	.....	106.97	.....	106.33	106.19	.....	.....	104.18	103.88	103.74	103.74	103.56
9	.....	106.96	.....	.....	106.04	.....	105.05	104.27	103.86	103.82	103.94	103.88
10	.....	106.71	.....	.....	106.25	.....	104.90	104.26	103.85	103.82	103.97	103.95
11	.....	107.06	.....	106.56	106.12	.....	104.82	104.25	103.85	103.59	103.74	103.92
12	.....	106.84	.....	106.26	106.32	105.49	104.75	104.37	103.74	103.44	103.78	104.16
13	.....	106.84	.....	106.17	106.35	105.52	104.81	104.27	103.67	103.57	103.60	103.90
14	.....	107.19	.....	106.57	105.80	105.66	104.93	104.15	103.81	103.87	103.63	103.96
15	.....	107.11	.....	106.74	106.12	105.54	104.93	103.97	103.77	103.23	103.67	.....
16	.....	.....	.....	106.78	106.26	105.39	104.82	104.17	103.56	103.21	103.72	.....
17	106.90	.....	.....	106.68	.....	105.62	104.87	104.25	103.42	104.00	.....	.....
18	107.20	.....	.....	106.50	.....	105.56	104.83	104.30	103.50	103.76	.....	.....
19	106.49	.....	.....	106.36	.....	105.70	104.79	104.11	103.79	103.80	.....	.....
20	107.40	.....	106.65	.....	.....	105.42	104.53	104.03	103.91	104.21	103.95	.....
21	106.82	.....	106.88	.....	105.96	105.45	104.68	104.21	103.98	103.99	104.10	.....
22	106.67	107.10	106.28	.....	105.98	105.44	104.63	104.38	103.90	103.74	104.11	.....
23	107.48	107.00	106.58	.....	105.99	.....	104.91	104.28	103.90	103.80	104.22	.....
24	107.38	107.09	106.65	.....	105.99	.....	104.90	104.18	103.81	103.61	104.10	.....
25	.....	107.13	106.77	.....	106.06	.....	104.61	104.12	103.74	103.57	103.45	.....
26	.....	106.75	106.89	.....	106.06	.....	104.79	103.97	103.85	103.56	103.80	.....
27	.....	106.58	106.88	.....	106.02	.....	104.64	103.90	103.67	103.90	.....	.....
28	107.22	106.61	.....	106.33	106.16	105.38	104.65	103.94	103.52	104.00	.....	.....
29	107.28	106.71	.....	106.36	106.03	105.40	104.59	103.88	103.78	103.63	.....	.....
30	107.06		.....	106.35	105.69	105.37	104.61	103.73	103.58	.....	.....	.....
31	106.86		.....		105.89		104.73	103.59		103.62		.....

80-17-20E1. State Conservation Commission test hole A-17. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 5 inches, depth 110 feet, cased to 104. Land-surface datum is about 887 feet above msl. Highest water level 47.63 below lsd, Apr. 28, 1952; lowest 50.84 below lsd, Dec. 14, 1950. Records available: 1948-52. Jan. 28, 48.99; Apr. 28, 47.63.

80-17-28D1. State Conservation Commission test hole A-2. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 5 inches, depth 55 feet, cased to 50. Land-surface datum is about 836 feet above msl. Highest water level 1.45 below lsd, June 28, 1952; lowest 6.89 below lsd, Aug. 24, 1948. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	1.69	June 28	1.45	Aug. 12	3.42	Sept. 24	4.02
Apr. 28	1.92	July 18	2.90	26	3.46	Nov. 21	3.87
June 12	2.38	30	3.43				

80-17-28D2. State Conservation Commission test hole A-11. Driven observation water-table well in alluvial sand, diameter 1¼ inches, depth 14 feet, screen 12-14. Land-surface datum is about 836 feet above msl. Highest water level 1.82 below lsd, Jan. 17, 1952; lowest 5.88 below lsd, Dec. 14, 1950. Records available: 1948-52.

Jan. 17	1.82	June 12	2.22	July 30	3.18	Sept. 24	3.82
Apr. 28	1.84	July 18	2.68	Aug. 26	3.30	Nov. 21	3.68

Jefferson County

72-10-25A1. City of Fairfield well 1. Drilled unused artesian well in glacial sand and gravel, diameter 6 inches, depth 150 feet. Land-surface datum is about 723 feet above msl. Highest water level 14.02 below lsd, Apr. 24, 1952; lowest 44.16 below lsd, Feb. 20, 1949. Records available: 1949-52. Apr. 24, 14.02; Oct. 28, 14.12.

72-10-26A1. Parsons College. Fairfield. Dug unused water-table well in glacial drift, diameter 36 inches, depth 70 feet, cribbed with brick. Highest water level 14.94 below lsd, Apr. 23, 1944; lowest 42.80 below lsd, Sept. 9, 1945. Records available: 1942-52. Jan. 30, 24.95; Apr. 24, 22.76; July 7, 25.50. Measurement discontinued.

Johnson County

80-5-9K3. U. S. Geol. Survey. Frank Miller. Morse. Driven observation water-table well in glacial sand, diameter 1¼ inches, depth 15 feet, screen 13-15. Highest water level 1.97 below lsd, Apr. 7, 1951; lowest 8.41 below lsd, Nov. 4, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	5.85	Apr. 4	4.29	July 5	5.56	Oct. 3	8.12
12	6.32	13	4.28	12	6.23	11	8.10
19	3.05	18	4.43	19	5.41	17	8.22
25	4.06	27	3.92	25	6.50	25	8.17
Feb. 2	4.95	May 3	4.73	Aug. 3	7.02	Nov. 2	8.08
8	5.47	10	3.78	8	6.76	8	7.98
16	5.42	16	4.97	16	6.90	14	7.88
24	5.55	23	2.20	24	7.16	22	5.44
Mar. 1	4.79	30	4.49	30	7.05	28	5.34
7	5.22	June 7	5.50	Sept. 6	7.59	Dec. 6	5.95
15	2.30	14	4.00	13	6.79	12	5.96
21	2.79	21	4.49	19	7.80	20	4.65
29	3.62	27	3.97	27	8.04	28	4.86

80-5-22M1. Chicago, Rock Island & Pacific Railway. Dug unused water-table well in glacial drift, diameter 4 feet, depth 19 feet, cribbed with brick. Highest water level 5.91 below lsd, May 24, 25, 1952; lowest 18.63 below lsd, Dec. 28-30, 1949. Records available: 1941-52.

Daily noon water level from recorder graph*

Day	Jan.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	13.15	.....	7.92	8.25	10.23	13.60	16.13	17.21
2	13.23	.....	8.27	8.48	10.34	13.78	16.18	17.28
3	13.16	.....	8.63	8.94	10.44	13.96	16.25	17.31
4	12.98	.....	8.86	9.16	10.59	14.12	16.30	17.32
5	12.86	.....	9.02	9.34	10.72	14.24	16.33	17.36
6	12.89	.....	9.30	9.57	10.84	14.36	16.39	17.41
7	12.92	.....	9.44	9.71	10.93	14.42	16.47	17.45
8	12.76	.....	9.33	9.86	11.06	14.47	16.51	17.45
9	12.87	.....	9.19	9.71	11.19	14.49	16.55	17.48
10	13.08	.....	9.03	9.51	11.31	14.56	16.60	17.50
11	13.12	.....	8.87	9.54	11.43	14.65	16.66	17.50
12	13.10	.....	8.90	9.56	11.61	14.74	16.70	17.50
13	13.08	.....	9.03	9.72	11.79	14.86	16.74	17.53
14	13.03	.....	9.03	9.86	11.94	14.96	16.77	17.57
15	12.85	.....	9.17	9.44	12.06	15.04	16.82	17.60
16	12.46	.....	9.37	9.24	12.16	15.10	16.84	17.60
17	11.90	.....	9.50	9.36	12.22	15.21	16.83	17.63
18	11.70	.....	9.60	9.56	12.31	15.31	16.85	17.65
19	.....	.....	9.64	9.74	12.31	15.42	16.91	17.65
20	.....	.....	9.67	9.92	12.21	15.49	16.95	17.70
21	.....	.....	9.75	10.01	12.12	15.53	16.99	17.72
22	.....	8.71	9.80	9.77	12.17	15.61	17.00	17.71
23	.....	8.30	7.93	9.57	12.25	15.72	17.03	17.72
24	.....	7.36	5.91	9.51	12.39	15.77	17.05	17.73
25	.....	6.55	5.91	9.56	12.52	15.81	17.07	17.73
26	.....	6.31	5.91	9.72	12.59	15.86	17.10	17.74
27	.....	6.39	5.95	9.96	12.74	15.91	17.12	17.75
28	.....	6.75	6.34	9.99	12.87	15.94	17.13	17.78
29	.....	7.18	6.82	10.01	13.01	16.04	17.18	17.80
30	.....	7.59	7.22	10.10	13.19	16.05	17.20	17.77
31	.....		7.70		13.37	16.07		17.77

* No record for February, March, November, and December.

80-5-22M2. Chicago, Rock Island & Pacific Railway. Drilled unused artesian well, diameter 5 inches, depth 82 feet. Highest water level 8.15 below lsd, Apr. 21, 1952; lowest 20.21 below lsd, Aug. 31, 1948. Records available: 1941-52. Jan. 18, 15.03; Apr. 21, 8.15; May 15, 14.27; June 6, 14.35; Aug. 29, 16.20.

Lee County

67-5-14L1. U. S. Geol. Survey. Driven observation water-table well in alluvial sand, diameter 1¼ inches, depth 13 feet, screen 11-13. Land-surface datum is about 529 feet above msl. Highest water level 6.50 below lsd, Apr. 24, 1952; lowest 8.25 below lsd, Oct. 28, 1952. Records available: 1950-52. Jan. 31, 7.72; Apr. 24, 6.50; July 2, 7.06; Oct. 28, 8.25.

Linn County

85-6-19J1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 9 feet, perforations 3-9. Highest water level 3.02 below lsd, Apr. 25, 1945; lowest 6.94 below lsd, Aug. 29, 1941. Records available: 1940-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	5.02	May 27	5.07	Aug. 28	5.70	Dec. 5	6.38
Mar. 27	4.87	June 30	5.36	Sept. 29	6.49	30	5.42
Apr. 29	5.14	July 30	6.41	Oct. 31	5.92		

85-6-26D2. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 14 feet, perforations 9-14. Highest water level 0.21 below lsd, Apr. 26, 1951; lowest 8.11 below lsd, Dec. 2, 1947. Records available: 1940-52.

Jan. 29	3.03	Apr. 29	1.99	July 30	4.97	Oct. 31	7.17
Feb. 27	2.41	May 27	1.84	Aug. 28	5.55	Dec. 5	5.63
Mar. 27	.78	June 30	3.33	Sept. 29	6.62	30	4.50

85-6-29B1. Earl Balderson. Drilled unused artesian well in glacial sand, diameter 5 inches, depth 147 feet. Highest water level 56.67 below lsd, June 27, 1947; lowest 64.95 below lsd, Nov. 13, 1940. Records available: 1940-52.

Jan. 29	60.16	Apr. 29	58.44	July 30	60.48	Oct. 31	62.76
Feb. 27	59.80	May 27	58.24	Aug. 28	61.05	Dec. 5	63.35
Mar. 27	59.28	June 30	58.71	Sept. 29	62.03	30	63.28

84-7-11R1. Clifford Burns. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 29 feet, lined with tile. Highest water level 2.82 below lsd, Apr. 26, 1951; lowest 10.06 below lsd, Dec. 28, 1949. Records available: 1948-52.

Jan. 29	4.28	Apr. 29	3.23	July 30	6.55	Oct. 31	9.05
Feb. 27	4.02	May 27	3.64	Aug. 28	7.20	Dec. 5	7.44
Mar. 27	2.92	June 30	4.45	Sept. 29	8.66	30	6.66

84-7-13E2. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 17 feet, perforations 12-17. Highest water level 1.56 below lsd, Mar. 29, 1951; lowest 12.03 below lsd, Sept. 30, 1948. Records available: 1940-52.

Jan. 29	2.49	Apr. 29	2.36	July 30	5.48	Oct. 31	9.71
Feb. 27	2.37	May 27	2.30	Aug. 28	5.92	Dec. 5	7.58
Mar. 27	2.03	June 30	3.53	Sept. 29	8.09	30	6.92

84-6-20N1. U. S. Geol. Survey. H. W. Wiggins. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 12 feet, perforations 6-11. Highest water level 1.68 below lsd, Mar. 29, 1951; lowest 10.50 below lsd, Oct. 17, 1940. Records available: 1940-52.

Jan. 29	3.83	Apr. 29	2.85	July 30	5.64	Oct. 31	7.29
Feb. 27	4.20	May 27	2.78	Aug. 28	6.57	Dec. 5	7.67
Mar. 27	2.53	June 30	3.63	Sept. 29	7.86	30	5.84

84-6-22F1. Joseph Sinaika. Dug unused water-table well in glacial drift, diameter 30 inches, depth 11 feet, cribbed with rock. Highest water level 2.61 below lsd, Apr. 26, 1951; lowest 11.00 below lsd, Oct. 14, 1940. Records available: 1940-52.

Jan. 29	3.92	Apr. 29	3.21	July 30	6.12	Oct. 31	9.03
Feb. 27	4.49	May 27	3.67	Aug. 28	6.75	Dec. 5	8.29
Mar. 27	2.98	June 30	4.86	Sept. 29	7.93	30	7.94

83-7-1B1. City of Marion. Drilled public-supply artesian well in dolomite of Silurian age, diameter 12 inches, depth 437 feet, cased to 128. Land-surface datum is 787.52 feet above msl. Highest water level 3.48 below lsd, Apr. 28, 1947; lowest 11.81 below lsd, Jan. 31, 1950. Records available: 1941-50. No measurement made in 1952.

83-7-2P1. Mr. Hellenbeck. Drilled unused water-table well in limestone, diameter 6 inches, depth 52 feet. Highest water level 23.66 below lsd, Apr. 28, 1947; lowest 33.10 below lsd, Aug. 30, 1945. Records available: 1940-52.

Jan. 29	28.76	Apr. 29	27.49	July 30	30.89	Oct. 31	32.04
Feb. 27	30.19	May 27	28.61	Aug. 28	31.36	Dec. 5	31.98
Mar. 27	25.05	June 30	29.80	Sept. 29	31.78	30	31.73

83-7-16D1. City of Cedar Rapids. Shaver Park. Drilled city park artesian well in limestone, diameter 5 inches, depth 127 feet. Highest water level 81.80 below lsd, June 27, 1947; lowest 93.66 below lsd, Dec. 31, 1948. Records available: 1940-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	85.01	Apr. 29	85.88	July 30	87.25	Oct. 31	89.08
Feb. 27	85.32	May 27	86.14	Aug. 28	87.89	Dec. 30	88.59
Mar. 27	84.98	June 30	85.08	Sept. 29	88.76		

83-7-16J1. City of Cedar Rapids. Daniels Park. Drilled city park artesian well in limestone, diameter 5 inches, depth 163 feet. Highest water level 29.24 below lsd, May 31, 1944; lowest 40.85 below lsd, Dec. 31, 1948. Records available: 1940-44, 1948-52.

Jan. 29	32.60	Apr. 29	32.61	July 30	32.47	Oct. 31	33.29
Feb. 27	33.18	May 27	32.14	Aug. 28	32.22	Dec. 5	33.09
Mar. 27	34.29	June 30	31.80	Sept. 29	32.95		

83-7-17L1. City of Cedar Rapids. Ellis Park. Drilled unused artesian well in limestone, diameter 5 inches, depth 98 feet. Highest water level 15.00 below lsd, June 30, 1946; lowest 21.86 below lsd, Dec. 28, 1949. Records available: 1940-52.

Jan. 29	20.24	Apr. 29	19.28	July 30	21.07	Dec. 5	20.71
Feb. 27	20.18	May 27	19.62	Aug. 28	20.90	30	20.81
Mar. 27	19.13	June 30	20.13	Oct. 31	20.78		

83-7-21K1. Wapsi Valley Creamery. Drilled unused artesian well in dolomite of Silurian age, diameter 8 to 7 inches, depth 156 feet, cased to 105. Water levels affected by nearby pumping wells. Highest water level 56.76 below lsd, Apr. 23, 1944; lowest 68.00 below lsd, Dec. 31, 1952. Records available: 1943-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64.26	.....	.....	64.90	.....	64.95	66.27	66.73	66.20	66.87	66.12	65.45
2	64.71	65.10	64.58	64.88	.....	64.97	66.35	66.75	66.33	66.81	65.34	65.58
3	64.84	65.09	64.95	64.88	.....	.....	66.45	66.61	66.51	66.70	66.01	.....
4	64.82	65.14	65.18	64.89	65.43	.....	65.75	66.52	66.50	66.65	65.98	65.64
5	64.92	65.20	65.19	64.22	65.55	.....	66.12	66.53	66.59	66.57	66.07	65.72
6	64.98	65.23	65.24	64.05	65.62	.....	66.22	66.47	66.75	66.57	66.11	65.66
7	64.97	65.17	65.26	64.02	65.30	.....	66.23	66.47	66.57	66.57	66.14	.....
8	65.19	65.27	65.78	64.20	65.15	65.70	66.26	66.55	66.49	.....	66.11	.....
9	65.17	65.24	64.53	64.37	65.03	65.25	.....	66.19	66.73	.....	66.04	.....
10	65.30	65.14	64.77	64.35	64.97	65.25	66.21	65.90	66.91	.....	66.02	.....
11	65.13	65.18	64.91	64.29	64.31	65.36	66.46	66.40	66.98	.....	66.04	.....
12	65.18	65.21	.....	64.32	64.73	65.50	66.45	66.52	67.03	66.37	66.07	.....
13	65.07	65.21	.....	64.11	64.93	65.75	66.29	66.48	67.09	66.40	66.03	65.72
14	65.02	65.22	.....	64.09	64.93	65.77	66.31	66.58	67.01	66.39	66.05	65.64
15	65.21	65.17	.....	64.24	64.99	65.58	66.37	66.75	66.87	66.28	66.06	65.70
16	65.08	64.57	64.32	64.26	64.97	65.63	66.41	66.75	66.87	66.25	66.05	65.75
17	65.08	64.45	64.75	64.29	64.93	65.75	66.60	66.59	66.94	66.26	65.91	67.86
18	65.08	.....	64.91	64.35	64.96	65.90	66.62	66.55	66.98	66.15	62.90	67.82
19	64.92	.....	64.94	64.35	64.84	.....	66.67	66.68	66.80	66.10	64.93	67.70
20	64.91	.....	64.94	64.38	64.71	.....	66.50	66.78	66.69	66.11	62.59	67.53
21	64.81	.....	64.97	64.37	65.05	.....	66.52	66.82	66.57	66.11	65.67	67.56
22	64.91	.....	64.25	64.55	65.12	65.55	66.68	66.78	66.49	65.87	65.63	67.53
23	65.00	.....	64.24	64.64	64.92	65.55	.....	66.60	66.52	66.10	65.67	67.65
24	64.99	64.89	64.65	.....	64.98	65.87	66.78	66.47	66.49	66.09	65.63	67.71
25	64.97	64.97	64.83	.....	65.05	65.99	66.73	66.46	66.51	66.14	65.43	67.19
26	65.00	.....	64.86	.....	65.08	66.19	66.86	66.66	66.63	66.09	65.54	67.39
27	64.95	.....	64.83	.....	65.23	66.12	66.70	66.78	66.57	66.11	65.04	67.80
28	64.68	.....	64.90	.....	65.28	66.13	66.73	66.86	66.01	66.12	65.43	67.78
29	64.88	.....	64.31	.....	65.15	66.19	66.73	66.96	66.68	66.08	65.04	67.78
30	.....		64.15	.....	64.60	66.41	66.80	66.95	66.72	66.06	64.99	67.88
31	.....		64.66		64.87		66.73	66.75		66.14		68.00

83-7-21L1. City of Cedar Rapids. Drilled unused artesian well, diameter 10 inches, reported depth 1,450 feet. Land-surface datum is about 733 feet above msl. Highest water level 20.92 below lsd, Apr. 15, 1940; lowest 81.65 below lsd, Aug. 9, 1950. Records available: 1940-52.

83-7-21L1--Continued.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	58.98	66.26	64.13	64.43	.....	67.65	65.35	.....	.....	73.60	64.75	59.55
2	58.00	66.33	59.50	64.34	.....	68.00	65.60	.....	.....	72.90	53.90	62.35
3	63.42	66.25	58.70	63.91	.....	69.75	64.95	.....	.....	72.00	59.30	62.55
4	63.80	66.61	64.35	63.35	69.60	70.80	61.60	.....	.....	71.10	63.10	63.10
5	64.38	66.76	64.65	58.83	69.95	70.70	60.95	.....	.....	70.05	64.00	63.60
6	64.35	67.03	64.80	57.24	70.45	72.85	76.40	.....	.....	69.90	64.40	63.20
7	64.02	66.54	65.30	56.57	69.15	74.05	74.70	.....	.....	69.95	65.15	.....
8	65.78	66.55	62.70	58.13	67.10	.....	75.75	.....	.....	.....	64.65	.....
9	65.40	66.78	.....	58.61	66.35	.....	74.60	.....	.....	.....	.....	.....
10	66.12	65.76	.....	58.90	66.05	.....	.....	.....	.....	.....	.....	.....
11	65.78	65.26	.....	58.85	62.95	.....	.....	.....	.....	69.90	.....	.....
12	66.45	66.29	.....	59.05	59.20	.....	.....	.....	.....	68.75	.....	.....
13	65.52	66.30	.....	57.40	65.70	.....	.....	.....	.....	68.35	.....	.....
14	64.95	66.06	.....	56.90	65.60	.....	.....	.....	.....	68.20	.....	63.40
15	66.55	65.73	.....	58.85	66.50	.....	.....	.....	.....	67.30	.....	63.20
16	65.73	63.58	58.35	59.25	65.70	.....	.....	.....	.....	66.55	64.19	63.70
17	65.76	57.45	57.75	59.25	65.70	.....	.....	.....	.....	66.00	63.55	64.05
18	66.15	58.59	63.80	63.30	65.90	.....	.....	.....	.....	65.60	64.50	66.10
19	65.88	64.40	64.10	63.20	64.95	.....	.....	.....	.....	65.00	63.05	66.35
20	64.87	64.45	64.45	.....	62.65	.....	.....	.....	.....	64.15	63.45	66.50
21	64.30	64.97	64.10	.....	67.10	.....	.....	.....	.....	64.80	63.55	65.50
22	64.99	64.88	61.00	.....	67.80	.....	.....	.....	.....	57.95	63.50	64.90
23	66.15	64.61	58.65	.....	68.15	.....	.....	.....	.....	65.05	63.65	65.95
24	66.18	59.39	57.50	.....	69.10	.....	.....	.....	.....	65.00	62.95	65.20
25	65.47	58.55	63.52	.....	69.80	.....	.....	.....	.....	65.65	58.97	62.20
26	65.69	64.39	63.88	.....	68.55	.....	.....	.....	.....	65.10	58.35	59.50
27	65.30	64.99	63.61	.....	70.55	.....	.....	.....	.....	64.55	58.70	66.15
28	64.80	64.92	63.80	.....	71.00	.....	.....	.....	.....	64.60	58.10	65.63
29	63.85	65.06	62.06	.....	69.85	64.70	.....	.....	.....	64.80	58.85	64.79
30	65.34		58.78	.....	67.00	63.55	.....	.....	.....	64.45	58.55	65.54
31	65.40		58.18		66.25		.....	.....		64.40		65.33

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	68.37	66.95	67.08	.....	69.85	69.20	.....	.....	75.25	66.95	64.35
2	66.58	68.37	66.00	66.44	.....	70.65	69.55	.....	.....	74.15	66.15	64.85
3	66.65	67.65	66.10	66.69	74.80	72.55	69.80	.....	.....	73.20	66.25	64.95
4	66.64	68.55	67.05	66.68	72.40	73.45	65.90	.....	.....	72.10	66.15	65.50
5	67.05	68.83	66.65	64.06	75.00	73.85	80.35	.....	.....	71.25	66.50	65.95
6	66.50	68.59	67.55	62.32	74.10	75.60	79.40	.....	.....	71.45	66.80	65.05
7	67.70	68.61	67.50	63.56	71.40	77.60	80.15	.....	.....	71.10	66.85	.....
8	68.10	68.92	65.70	63.96	70.35	.....	79.40	.....	.....	.....	.....	.....
9	67.91	68.65	.....	64.57	69.10	.....	79.40	.....	.....	.....	.....	.....
10	68.33	67.98	.....	64.65	67.60	.....	.....	.....	.....	.....	.....	.....
11	68.05	68.11	.....	64.38	66.40	.....	.....	.....	.....	70.70	.....	.....
12	68.10	68.33	.....	64.32	68.10	.....	.....	.....	.....	69.95	.....	.....
13	67.38	67.85	.....	62.90	69.30	.....	.....	.....	.....	70.00	.....	.....
14	67.83	67.65	.....	64.25	70.10	.....	.....	.....	.....	69.35	.....	64.95
15	68.36	67.77	64.30	64.35	70.15	.....	.....	.....	.....	68.50	.....	65.70
16	67.74	64.92	63.45	64.65	68.80	.....	.....	.....	.....	68.30	65.90	65.60
17	67.96	64.25	66.35	65.65	68.60	.....	.....	.....	.....	68.30	66.37	67.65
18	68.09	66.28	66.40	65.60	68.35	.....	.....	.....	.....	67.25	65.63	68.00
19	67.89	66.49	66.65	66.80	67.75	.....	.....	.....	.....	66.95	65.41	70.05
20	67.20	66.90	67.30	.....	69.00	.....	.....	.....	.....	66.95	65.27	70.00
21	67.19	66.87	67.25	.....	70.30	.....	.....	.....	.....	67.05	66.07	67.15
22	67.85	66.80	64.06	.....	70.85	.....	.....	.....	.....	67.00	66.15	67.10
23	68.67	66.60	63.60	.....	72.00	.....	.....	.....	.....	67.15	65.20	67.85
24	67.73	65.91	65.69	.....	73.10	.....	.....	.....	.....	67.50	65.35	67.40
25	67.29	66.33	66.03	.....	72.00	.....	.....	.....	.....	67.70	64.85	65.20
26	67.59	66.90	66.35	.....	73.15	.....	.....	.....	.....	66.80	65.85	66.45
27	66.73	67.05	66.58	.....	73.75	.....	.....	.....	.....	67.15	64.60	67.36
28	66.57	66.81	66.33	.....	72.45	69.20	.....	.....	.....	66.90	64.50	66.88
29	67.12	67.22	63.80	.....	71.50	68.30	.....	.....	.....	66.25	63.60	67.16
30	67.70		63.20	.....	70.30	68.75	.....	.....	75.60	66.35	63.05	67.43
31	67.75		66.69		68.85		.....	.....		67.00		71.00

83-7-21P1. Kresge Co. Drilled artesian well in dolomite of Silurian age. Highest water level 38.98 below lsd, Feb. 23, 1942; lowest 84.20 below lsd, May 28, 1948. Records available: 1941-52. Jan. 29, 71.88; Feb. 27, 72.01; Mar. 27, 70.20; Dec. 30, 73.89.

83-7-23G1. City of Cedar Rapids. Bever Park. Drilled city park artesian well, diameter 5 inches, depth 81 feet. Highest water level 1.04 below lsd, June 30, 1952; lowest 4.68 below lsd, Sept. 23, 1940, Aug. 19, 1941. Records available: 1940-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	1.91	Apr. 29	1.27	July 30	1.77	Dec. 5	2.37
Feb. 27	1.39	May 27	1.39	Sept. 29	2.76	30	3.37
Mar. 27	1.23	June 30	1.04	Oct. 31	2.48		

83-7-24A1. John Zrudsky. Drilled unused artesian well in limestone, diameter 4 inches, depth 96 feet. Highest water level 23.56 below lsd, June 27, 1947; lowest 34.50 below lsd, July 30, 1943. Records available: 1940-52.

Jan. 29	27.24	Apr. 29	25.60	July 30	29.46	Oct. 31	29.42
Feb. 27	27.94	May 27	26.27	Aug. 28	29.32	Dec. 5	29.53
Mar. 27	25.72	June 30	26.98	Sept. 29	29.02	30	29.84

83-7-32G1. Floyd Felter. 22d Ave. SW. and 11th St. SW. Drilled unused artesian well in limestone, diameter 5 inches, depth 282 feet. Highest water level 75.88 below lsd, Jan. 26, 1942; lowest 89.47 below lsd, Sept. 29, 1952. Records available: 1940-52.

Jan. 29	84.39	Apr. 29	84.18	July 30	87.21	Oct. 31	88.68
Feb. 27	85.23	May 27	84.78	Aug. 28	89.24	Dec. 5	87.01
Mar. 27	84.89	June 30	86.59	Sept. 29	89.47	30	87.29

83-7-33F1. Hedges Co. Realtors. 22d Ave. SW. and K St. SW. Drilled unused artesian well in limestone, diameter 5 inches, depth 107 feet. Highest water level 67.58 below lsd, Aug. 28, 1947; lowest 75.95 below lsd, Mar. 31, 1949. Records available: 1940-52.

Jan. 29	71.45	Apr. 29	71.08	July 30	70.77	Oct. 31	71.41
Feb. 27	71.45	May 27	70.77	Aug. 28	70.94	Dec. 5	71.58
Mar. 27	71.40	June 30	70.66	Sept. 29	71.21	30	72.76

83-6-30B1. Dale Katz. Drilled unused artesian well, diameter 6 inches, depth 77 feet. Highest water level 44.26 below lsd, June 27, 1947; lowest 53.30 below lsd, June 30, 1942. Records available: 1940-52.

Jan. 29	49.36	Apr. 29	48.01	July 30	49.59	Oct. 31	50.61
Feb. 27	49.48	May 27	48.46	Aug. 28	49.92	Dec. 5	50.87
Mar. 27	48.68	June 30	48.63	Sept. 29	50.40	30	50.88

82-7-3A2. Central Iowa Power Cooperative well 2. Drilled industrial artesian well in dolomite of Silurian age, diameter 12 inches, depth 446 feet, cased to 105. Land-surface datum is about 722 feet above msl. Highest water level 21.48 below lsd, May 31, 1950; lowest 43.50 below lsd, Sept. 29, 1952. Records available: 1950-52.

Jan. 29	40.44	Apr. 29	33.77	Sept. 29	43.50	Dec. 5	37.24
Feb. 27	37.25	May 27	37.55	Oct. 31	40.22	30	41.20
Mar. 27	33.07						

Lyon County

99-44-26R1. State of Iowa. Drilled unused water-table well in glacial drift, diameter 20 inches, depth 38 feet, lined with tile. Highest water level 0.50 below lsd, June 26, 1951; lowest 9.74 below lsd, Oct. 24, 1940. Records available: 1940-43, 1947-52. Jan. 9, 1.81; Apr. 29, 1.18; July 22, 3.24; Oct. 29, 5.27.

Madison County

75-28-2B1. Glen Newton. Drilled unused water-table well in glacial drift, diameter 24 inches, depth 32 feet, cribbed with rock. Highest water level 9.93 below lsd, Oct. 23, 1946; lowest 20.59 below lsd, Oct. 1, 1943. Records available: 1940-52. Jan. 29, 14.70; Apr. 23, 13.35; July 17, 14.84; Oct. 30, 14.70.

Marion County

76-19-5N1. City of Knoxville well 4. Drilled unused water-table well in alluvial sand and gravel, diameter 40 to 24 inches, depth 47 feet. Water levels affected by nearby pumping wells. Land-surface datum is 720 feet above msl. Highest water level 2.70 below lsd, June 8, 1951; lowest 21.65 below lsd, Feb. 7, 1950. Records available: 1949-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	16.47	14.78	.....	.....	13.00	.....	13.06	.....	.....	18.68	19.46
2	.....	16.56	14.78	.....	.....	12.89	.....	13.23	.....	.....	18.65	19.46
3	.....	16.28	14.82	.....	.....	12.60	.....	.....	.....	.....	18.62	19.27
4	.....	16.16	14.76	.....	.....	12.55	.....	.....	.....	.....	18.68	19.20
5	.....	16.03	14.81	.....	.....	12.66	.....	.....	.....	.....	18.67	19.20
6	.....	15.93	14.86	.....	.....	12.72	.....	.....	.....	.....	18.66	19.06
7	.....	15.83	14.90	.....	.....	13.20	.....	.....	.....	.....	18.63	19.10
8	.....	15.75	14.95	.....	.....	13.39	.....	.....	.....	.....	18.59	19.11
9	.....	15.67	15.05	.....	.....	13.48	.....	.....	.....	.....	18.52	19.02
10	.....	15.59	15.09	.....	.....	13.51	.....	.....	.....	.....	18.50	19.02
11	.....	15.51	15.00	.....	.....	13.52	.....	.....	.....	.....	18.48	19.29
12	.....	15.46	14.79	.....	.....	13.78	10.46	.....	.....	.....	18.46	19.13
13	.....	15.44	14.45	.....	.....	13.95	10.14	.....	.....	.....	18.44	19.02
14	.....	15.47	13.95	.....	.....	13.95	9.98	.....	.....	.....	18.41	19.07
15	.....	15.44	13.43	.....	.....	14.40	10.00	.....	.....	.....	18.38	19.10
16	.....	15.40	12.86	.....	.....	14.71	9.88	.....	.....	.....	18.30	19.02
17	.....	15.34	12.36	.....	.....	14.84	10.12	.....	.....	.....	18.44	19.02
18	.....	15.25	11.95	.....	.....	14.89	10.28	.....	.....	.....	18.62	18.96
19	.....	15.09	11.72	.....	.....	14.93	10.52	.....	.....	.....	18.74	18.94
20	.....	14.95	11.90	.....	.....	14.86	10.55	.....	.....	.....	18.84	18.90
21	.....	14.84	12.22	.....	.....	14.89	10.67	.....	.....	.....	18.92	18.89
22	.....	14.74	12.46	.....	12.99	15.11	10.92	.....	.....	.....	18.97	18.98
23	.....	14.67	12.61	.....	12.94	11.19	11.05	.....	.....	.....	19.05	18.90
24	.....	14.69	12.28	.....	13.30	.....	11.40	.....	.....	.....	19.11	18.71
25	.....	14.65	12.15	.....	13.08	.....	11.69	.....	.....	.....	19.14	18.85
26	.....	14.65	12.01	.....	12.87	.....	12.03	.....	.....	18.90	19.18	18.71
27	.....	14.63	12.08	.....	12.81	.....	12.30	.....	.....	18.88	19.29	19.04
28	.....	14.69	12.16	.....	12.77	.....	12.46	.....	.....	18.84	19.36	19.01
29	.....	14.70	12.15	.....	12.60	.....	12.48	.....	.....	18.81	19.43	18.95
30	16.44		.....	.....	12.80	.....	12.62	.....	.....	18.76	19.39	19.03
31	16.46		.....		12.75		12.86	.....		18.73		19.05

75-20-22H1. Union Central Life Insurance Co. Dug unused water-table well in glacial drift, diameter 5 feet, depth 15 feet, cribbed with brick. Highest water level 1.60 below lsd, June 21, 1945; lowest 13.07 below lsd, Feb. 10, 1941. Records available: 1940-52. Jan. 30, 3.96; Apr. 23, 1.99; July 17, 3.35.

75-20-31C2. Miss Amanda Elliot. Drilled unused water-table well in glacial drift, diameter 15 inches, depth 29 feet, lined with tile. Highest water level 2.31 below lsd, June 11, 1947; lowest 22.61 below lsd, Sept. 13, 1951. Records available: 1940-52. Jan. 30, 8.41; Apr. 23, 7.20; July 17, 8.67; Oct. 29, 22.48.

74-21-11F1. Town of Melcher test well 5. Drilled observation artesian well in glacial sand and gravel, diameter 6 inches, depth 101 feet. Land-surface datum is 931.6 feet above msl. Water levels affected by nearby pumping well. Highest water level 32.91 below lsd, June 17, 1945; lowest 87.96 below lsd, Oct. 24, 1948. Records available: 1945-46, 1948-52. Jan. 29, 79.53; Apr. 23, 80.86; July 17, 81.86; Oct. 29, 82.55.

74-21-11K1. Town of Melcher test well 3. Drilled observation artesian well in glacial sand and gravel, diameter 6 inches, depth 119 feet, cased to 76. Water levels affected by nearby pumping well. Land-surface datum is 942.8 feet above msl. Highest water level 46.03 below lsd, July 14, 1945; lowest 108.85 below lsd, Dec. 4, 6, 7, 1949. Records available: 1945-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	99.65	100.80	100.35	105.05	102.90	104.30	106.80	106.50	106.15	107.00	106.95
2	.....	98.75	98.85	101.30	105.45	102.15	104.75	106.75	106.35	106.25	107.10	106.75
3	.....	99.80	98.00	100.70	104.75	103.75	105.45	106.75	106.45	106.30	107.05	107.00
4	.....	100.90	98.20	100.20	104.35	103.20	105.90	106.85	106.50	106.35	107.00	107.05
5	.....	101.30	97.40	100.85	104.85	102.55	105.65	106.75	106.45	106.45	107.05	107.10

74-21-11K1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	101.70	97.00	103.45	103.95	103.45	105.00	106.65	106.45	106.45	107.15	107.05
7	.....	100.45	99.25	104.15	103.30	102.20	103.80	107.00	106.35	106.35	107.15	106.85
8	.....	100.45	100.00	103.15	104.45	100.65	102.05	106.85	106.05	106.30	107.15	106.75
9	.....	97.85	98.95	104.00	103.70	100.00	101.40	106.75	106.00	106.25	107.25	106.70
10	.....	98.75	97.15	104.80	103.20	101.35	105.15	106.75	106.05	106.25	107.25	106.70
11	.....	98.15	96.90	103.85	104.55	101.85	106.50	106.85	106.00	106.25	107.25	106.65
12	.....	99.20	98.60	103.35	104.80	102.60	106.90	106.75	106.00	106.30	107.25	106.60
13	.....	99.40	99.05	104.10	104.65	103.20	107.05	106.65	106.00	106.30	107.35	106.55
14	.....	98.90	100.35	105.05	104.95	103.90	107.30	106.65	106.15	106.40	107.20	106.50
15	.....	99.00	99.95	105.35	105.30	103.00	107.60	106.60	106.15	106.40	107.10	106.55
16	.....	97.45	101.85	105.30	105.40	101.40	107.45	106.60	106.25	106.35	106.95	106.50
17	.....	97.75	101.00	104.65	105.40	100.90	107.35	106.65	106.25	106.35	107.20	106.35
18	.....	100.10	101.35	104.10	105.65	101.95	107.25	106.70	106.20	106.35	107.30	106.35
19	.....	99.25	101.65	104.15	105.55	102.65	106.75	106.65	106.25	106.40	107.25	106.45
20	.....	100.15	101.20	102.25	105.40	103.20	106.75	106.75	106.35	106.65	107.30	106.55
21	.....	99.95	100.55	101.55	105.45	103.60	106.55	106.75	106.50	106.70	107.30	106.65
22	.....	99.30	101.05	103.55	104.95	103.80	106.75	106.80	106.50	106.70	107.30	106.80
23	.....	98.90	100.90	103.60	104.70	103.00	106.70	106.80	106.45	106.80	107.30	106.80
24	.....	100.35	102.45	102.85	105.15	101.00	106.50	106.95	106.40	106.65	107.20	106.95
25	.....	98.95	101.70	103.55	104.95	99.55	106.45	106.85	106.35	.....	107.05	107.10
26	.....	97.55	102.00	103.55	104.65	98.60	107.10	106.70	106.40	.....	107.10	106.90
27	.....	100.95	101.65	104.15	104.90	103.05	106.85	106.60	106.30	.....	107.05	106.55
28	.....	100.30	101.50	105.15	105.05	103.80	107.55	106.70	106.35	.....	107.00	106.40
29	.....	101.20	101.35	104.85	103.75	104.55	107.35	106.55	106.25	.....	107.10	106.10
30	98.85		103.05	104.55	102.00	103.80	107.15	106.50	106.15	106.95	107.00	105.85
31	98.15		101.10		101.60		106.95	106.40		107.05		105.55

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	100.80	103.15	103.95	106.75	104.80	105.75	107.65	107.15	107.25	107.80	107.60
2	.....	101.70	100.80	104.65	106.80	105.50	106.35	107.60	107.25	107.35	107.80	107.45
3	.....	103.70	101.65	102.80	105.70	105.60	106.75	107.65	107.30	107.25	107.85	107.65
4	.....	104.25	99.50	104.40	106.15	105.20	106.55	107.60	107.30	107.35	107.80	107.75
5	.....	104.30	99.45	103.95	106.35	105.35	106.40	107.55	107.30	107.45	107.75	107.75
6	.....	104.80	102.20	105.65	105.25	105.40	105.90	107.70	107.30	107.35	107.85	107.85
7	.....	102.90	103.35	106.20	105.85	104.30	105.00	107.80	107.20	107.25	107.90	107.40
8	.....	98.95	103.65	105.65	106.15	102.20	103.80	107.60	106.35	107.25	107.90	107.40
9	.....	102.50	101.35	106.15	105.05	103.95	105.15	107.60	106.85	107.25	107.90	107.35
10	.....	100.85	98.95	106.65	106.05	104.20	106.50	107.65	106.85	107.20	107.95	107.25
11	.....	102.15	102.10	105.55	106.25	104.80	106.90	107.60	106.80	107.25	107.90	107.15
12	.....	103.45	101.75	105.95	106.05	105.15	107.05	107.55	106.85	107.30	107.90	107.10
13	.....	101.35	103.25	106.20	106.35	105.40	107.45	107.45	107.10	107.30	107.90	107.10
14	.....	103.30	104.05	106.80	106.60	105.85	107.60	107.45	107.15	107.35	107.75	107.05
15	.....	101.25	102.85	106.80	106.80	104.95	107.80	107.40	107.30	107.35	107.70	107.10
16	.....	101.00	104.75	106.55	106.75	103.00	107.80	107.45	107.25	107.15	107.60	107.15
17	.....	100.40	104.65	105.65	106.95	104.40	107.85	107.45	107.30	107.35	107.80	107.15
18	.....	103.25	104.05	106.50	106.90	104.85	107.90	107.60	107.20	107.20	107.90	107.25
19	.....	103.05	104.85	105.40	106.75	105.20	107.40	107.55	107.30	107.35	107.95	107.15
20	.....	103.95	103.05	104.15	106.80	105.40	107.65	107.60	107.40	107.45	107.90	107.35
21	.....	102.05	104.40	105.40	106.75	105.90	107.60	107.65	107.50	107.55	107.85	107.40
22	.....	103.15	104.35	105.90	105.70	105.35	107.60	107.65	107.35	107.65	107.90	107.60
23	.....	100.85	103.35	105.00	106.35	105.05	107.55	107.70	107.35	107.65	107.90	107.65
24	.....	104.05	104.90	105.65	106.75	103.00	107.30	107.60	107.35	107.70	107.90	107.65
25	.....	101.35	104.75	105.55	105.80	101.00	107.55	107.65	107.30	.....	107.75	107.80
26	.....	102.25	104.55	105.95	106.25	103.05	107.80	107.45	107.35	.....	107.75	107.75
27	.....	104.15	104.40	106.35	106.30	105.65	107.75	107.45	107.30	.....	107.65	107.00
28	.....	104.10	104.90	106.65	106.30	106.45	107.95	107.35	107.35	.....	107.75	106.80
29	.....	104.80	104.75	105.85	105.25	105.95	108.00	107.35	107.20	.....	107.80	106.40
30	101.10		105.60	106.35	103.75	105.75	107.75	107.30	107.15	107.75	107.75	106.10
31	100.30		103.05		105.60		107.70	107.25		107.80		105.85

74-21-11K2. Town of Melcher. Drilled unused water-table well in glacial drift, diameter 18 inches, depth 25 feet, lined with tile. Highest water level 1.70 below lsd, Mar. 27, 1952; lowest 13.90 below lsd, Nov. 3, 1950. Records available: 1950-52.

74-21-11K2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	6.50	Apr. 3	2.60	July 3	7.02	Oct. 2	11.79
10	5.90	10	2.50	10	8.12	9	12.79
17	5.30	17	1.80	17	8.28	16	12.70
24	5.20	23	1.96	24	8.72	23	12.49
31	5.40	May 1	2.86	31	9.86	30	12.33
Feb. 7	5.30	8	4.14	Aug. 7	10.89	Nov. 6	12.19
14	5.20	15	4.06	14	10.33	13	12.09
21	5.40	22	3.96	21	9.98	20	8.75
28	4.70	29	4.40	28	10.62	27	8.43
Mar. 6	4.10	June 5	5.17	Sept. 4	10.86	Dec. 4	7.66
13	4.20	12	6.44	11	11.46	11	7.14
20	2.10	19	8.35	18	11.92	18	7.00
27	1.70	26	5.47	25	12.22	25	6.76

74-20-22C1. Grant DeWitt. Dug unused water-table well in glacial drift, diameter 4½ feet, depth 32 feet, cribbed with brick. Highest water level 2.60 below lsd, Apr. 23, 1947; lowest 25.18 below lsd, Dec. 21, 1950. Records available: 1942-52. Jan. 29, 11.36; Oct. 29, 15.90.

74-20-33D1. T. V. Beebout. Drilled unused water-table well in glacial drift, diameter 24 inches, depth 29 feet, cribbed with brick. Highest water level 2.18 below lsd, Apr. 23, 1947; lowest 27.39 below lsd, Apr. 16, 1940. Records available: 1940-52. Jan. 29, 12.50; Apr. 22, 9.73; July 17, 6.42; Oct. 29, 10.98.

Marshall County

84-18-22H1. City of Marshalltown. Jetted observation artesian well in glacial sand and gravel of Pleistocene age, diameter 3 inches, depth 225 feet, cased to 225. Highest water level 4.97 below lsd, Oct. 1, 1951; lowest 15.40 below lsd, Aug. 6, 1949. Records available: 1949-52. Oct. 27, 5.27.

84-18-24Q1. City of Marshalltown. Drilled unused artesian well in glacial sand and gravel of Pleistocene age, diameter 8 inches, depth 200 feet, cased to 190, screen 190-200. Land-surface datum is about 871 feet above msl. Highest water level 4.92 below lsd, July 13, 1951; lowest 15.43 below lsd, Dec. 21, 1950. Records available: 1949-52. Jan. 8, 7.29; Apr. 22, 5.38; Apr. 28, 5.45; July 21, 6.54; Oct. 27, 8.90.

82-17-24D1. Town of Gilman. Drilled observation water-table well in sand and gravel, diameter 2 inches, depth 23 feet, slotted pipe 18-23. Water levels affected by nearby pumping well. Highest water level 1.41 below lsd, Apr. 22, 1952; lowest 9.55 below lsd, Aug. 21, 1952. Records available: 1952.

Feb. 22	3.15	Aug. 8	5.30	Sept. 9	7.75	Oct. 11	5.75
Apr. 22	1.41	15	6.00	18	5.85	Nov. 1	5.80
July 31	4.25	21	9.55	Oct. 4	7.55	Dec. 2	4.30

Montgomery County

71-36-6J1. Donald Templeton. Drilled observation water-table well in glacial drift, diameter 1¼ inches, depth 38 feet, screen 36-38. Highest water level 2.52 below lsd, May 31, 1951; lowest 30.99 below lsd, Apr. 26, 1950. Records available: 1950-52.

Jan. 28	14.91	May 28	14.03	July 23	14.26	Sept. 23	14.96
Feb. 27	15.10	June 30	14.11	Aug. 22	14.72	Nov. 7	15.30
Apr. 25	14.25						

Tarkio Creek Valley

72-38-24P1. O. A. Milner. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 25 feet. Highest water level 1.46 below lsd, May 31, 1951; lowest 16.36 below lsd, Apr. 5, 1938. Records available: 1937-52. Jan. 28, 8.00; Feb. 27, 9.28; Mar. 27, 6.00; Apr. 25, 2.20.

72-37-29C1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 40 feet. Highest water level 4.70 below lsd, June 24, 1947; lowest 34.64 below lsd, May 18, 1938. Records available: 1937-52.

72-37-29C1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	15.95	Apr. 25	9.32	July 23	13.73	Nov. 7	19.52
Feb. 27	16.98	May 28	11.20	Aug. 22	15.98	Dec. 11	17.27
Mar. 27	11.38	June 30	11.30	Sept. 23	17.76		

71-38-11R1. E. F. Holquist. Dug unused water-table well in glacial drift, diameter 36 inches, depth 28 feet, cribbed with brick. Highest water level 2.28 below lsd, Apr. 25, 1952; lowest 25.15 below lsd, Jan. 26, 1944. Records available: 1934-52.

Jan. 28	15.42	May 28	6.37	July 23	13.46	Sept. 23	19.48
Feb. 27	16.60	June 30	10.98	Aug. 22	15.47	Nov. 7	22.25
Apr. 25	2.28						

71-38-35B1. Mr. Mainquist. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 18 feet. Highest water level 0.34 below lsd, Apr. 27, 1951; lowest 15.98 below lsd, Nov. 7, 1952. Records available: 1937-52.

Jan. 28	11.20	May 28	1.57	July 23	7.87	Sept. 23	13.32
Feb. 27	12.08	June 30	7.02	Aug. 22	11.95	Nov. 7	15.98
Apr. 25	2.80						

71-38-35E1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 29 feet. Highest water level 0.35 below lsd, June 27, 1951; lowest 22.67 below lsd, May 3, 1938. Records available: 1937-52.

Jan. 28	0.38	May 28	0.80	Aug. 22	3.54	Nov. 7	6.80
Feb. 27	5.85	June 30	1.40	Sept. 23	6.00	Dec. 11	4.96
Apr. 25	.65	July 23	3.00				

Muscatine County

76-2-10J1. Grain Processing Corp. Driven observation water-table well in alluvial sand, diameter 1 inch, depth 45 feet, screen 43-45. Water levels affected by nearby pumping well. Highest water level 7.34 below lsd, June 19, 1950; lowest 15.20 below lsd, Dec. 20, 1950, Jan. 11, 1952. Records available: 1949-52. Jan. 11, 15.20; July 15, 12.93; Oct. 28, 14.27.

76-2-14D1. City of Muscatine test well 4. Drilled observation water-table well in alluvial sand, diameter 2 inches, depth 39 feet. Water levels affected by nearby pumping wells. Highest water level 4.15 below lsd, July 9, 1943; lowest 14.38 below lsd, Dec. 20, 1950. Records available: 1939-52. Jan. 11, 11.69; July 15, 11.21; Oct. 28, 13.50.

76-2-15A1. City of Muscatine test well 5. Drilled observation water-table well in alluvial sand, diameter 2 inches, depth 32 feet. Water levels affected by nearby pumping wells. Highest water level 3.06 below lsd, July 19, 1943; lowest 14.06 below lsd, Oct. 28, 1952. Records available: 1940-52. Jan. 11, 11.96; July 15, 12.13; Oct. 28, 14.06.

Page County

69-36-31A1. Shulze Baking Co. Dug unused water-table well in glacial drift of Pleistocene age, diameter 30 inches, depth 13 feet, cribbed with brick. Highest water level 2.44 below lsd, May 1, 1951; lowest 11.15 below lsd, Nov. 3, 1952. Records available: 1950-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.85	8.46	.....	6.61	6.48	7.14	7.90	9.13	.....	10.55	11.05	.....
2	8.90	8.43	8.82	6.69	6.59	7.13	7.96	9.27	.....	10.64	11.08	.....
3	8.92	8.41	8.77	6.69	6.70	.....	8.11	9.22	.....	10.65	11.15	.....
4	.....	8.48	8.93	6.80	6.74	.....	.....	9.32	.....	.....	11.08	9.91
5	.....	8.49	8.98	6.89	6.81	7.38	8.28	9.42	.....	.....	11.04	9.82
6	.....	8.58	9.00	6.93	.....	7.49	8.34	9.45	.....	.....	11.11	9.70
7	.....	8.57	9.00	6.89	6.92	7.57	8.29	9.49	9.36	.....	11.14	9.69
8	.....	8.62	8.85	.....	7.05	7.61	8.26	9.28	9.43	.....	.....	9.57
9	.....	8.64	8.55	6.44	7.04	7.67	8.36	9.36	9.51	.....	.....	9.49
10	.....	8.63	6.50	6.57	7.16	7.73	8.44	.....	9.57	.....	.....	.....
11	.....	8.70	6.02	6.62	7.15	7.79	8.55	8.37	9.63	.....	.....	.....
12	.....	8.66	5.32	6.60	7.24	7.88	8.66	8.73	9.69	10.89	11.14	9.47
13	.....	8.54	5.07	5.93	7.27	7.97	8.39	8.88	.....	10.92	11.10	.....
14	.....	8.64	5.36	6.24	7.21	8.09	7.45	8.89	.....	10.96	11.08	.....
15	7.90	.....	5.67	6.39	7.33	8.13	7.87	8.86	.....	10.97	11.14	.....

69-36-31A1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	7.84	8.68	5.80	6.49	6.56	8.21	8.03	9.05	.....	10.96	11.14	.....
17	7.82	8.72	5.71	6.51	6.44	8.33	8.19	8.09	.....	11.01	9.30	.....
18	7.97	8.69	5.35	6.31	6.86	8.39	8.23	.....	.....	11.03	9.77	.....
19	.....	8.63	5.31	6.45	7.00	8.12	8.31	8.42	10.02	.....	.....	.....
20	.....	8.74	5.55	6.56	7.06	8.17	8.39	8.59	10.05	11.05	.....	.....
21	.....	8.82	5.76	5.93	7.11	7.83	8.52	8.27	10.09	11.04	.....	.....
22	.....	8.82	5.49	5.32	6.44	7.41	8.63	8.51	10.13	11.02	.....	.....
23	.....	8.83	.....	5.14	5.52	7.68	8.77	8.64	10.17	11.03	10.35	.....
24	.....	8.86	.....	5.34	6.00	7.87	8.86	8.74	10.21	11.02	10.37	.....
25	8.05	8.91	5.96	5.56	6.28	.....	8.91	8.82	.....	11.01	10.01	.....
26	8.20	8.85	6.09	5.74	6.47	.....	9.03	8.80	10.30	11.03	9.97	.....
27	8.31	8.83	6.18	5.91	6.66	6.71	9.09	8.90	10.34	.....	10.08	.....
28	8.35	8.85	6.21	6.11	6.82	7.27	9.17	9.01	10.38	.....	10.10	.....
29	8.40	8.89	6.27	6.29	6.86	.....	9.22	8.78	10.46	.....	10.07	.....
30	8.40		6.30	6.41	6.87	.....	9.26	8.86	10.51	.....	.....	.....
31	8.39		6.40		7.04		9.35	8.94		.....		.....

Tarkio Creek Valley

70-37-17J1. R. Palmquist. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 40 feet, lined with tile. Highest water level 11.12 below lsd, Mar. 30, 1942; lowest 27.59 below lsd, Nov. 27, 1945. Records available: 1934-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	22.68	Apr. 25	13.59	July 23	21.50	Nov. 7	24.74
Feb. 27	23.34	May 28	19.28	Aug. 22	23.08	Dec. 11	23.70
Mar. 27	15.17	June 30	19.24	Sept. 23	22.34		

70-37-17R1. R. Palmquist. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 26 feet, lined with tile. Highest water level 0.78 below lsd, Apr. 25, 1952; lowest 11.32 below lsd, Aug. 29, 1942. Records available: 1934-52.

Jan. 28	5.40	Apr. 25	0.78	July 23	6.55	Nov. 7	8.34
Feb. 27	6.60	May 28	2.87	Aug. 22	7.30	Dec. 11	7.30
Mar. 27	.85	June 30	5.90	Sept. 23	6.00		

69-39-35B1. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 6 inches, depth 30 feet. Highest water level 2.79 below lsd, Apr. 25, 1944; lowest 22.22 below lsd, Dec. 22, 1948. Records available: 1937-52.

Jan. 24	11.50	Apr. 24	4.49	Aug. 15	9.29	Nov. 5	14.44
Feb. 25	12.63	May 26	6.09	Sept. 22	12.50	Dec. 9	13.60
Mar. 24	5.82	June 26	8.42				

69-39-35B2. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 27 feet. Highest water level 1.52 below lsd, Apr. 25, 1944; lowest 21.57 below lsd, Nov. 22, 1948. Records available: 1937-52.

Jan. 24	12.60	Apr. 24	7.95	Aug. 15	11.84	Nov. 5	15.22
Feb. 25	13.41	May 26	7.80	Sept. 22	14.74	Dec. 9	14.10
Mar. 24	9.78	June 26	10.66				

69-39-35D1. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 33 feet. Highest water level 6.92 below lsd, May 29, 1951; lowest 31.73 below lsd, Feb. 26, 1940. Records available: 1938-52.

Jan. 24	13.70	Apr. 24	10.84	July 28	14.69	Nov. 5	18.70
Feb. 25	19.31	May 26	11.27	Aug. 15	15.32	Dec. 9	18.50
Mar. 24	8.50	June 26	14.20	Sept. 22	17.03		

69-39-35D2. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 28 feet. Highest water level 4.17 below lsd, June 25, 1951; lowest 32.19 below lsd, Feb. 26, 1940. Records available: 1938-52.

Jan. 24	14.35	Apr. 24	9.32	July 28	14.60	Nov. 5	18.08
Feb. 25	15.14	May 26	10.90	Aug. 15	15.37	Dec. 9	18.15
Mar. 24	9.18	June 26	13.08	Sept. 22	16.70		

69-39-35D4. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 27 feet. Highest water level 2.82 below lsd, June 25, 1951; lowest 24.28 below lsd, Feb. 26, 1940. Records available: 1938-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	7.60	Apr. 24	6.70	July 28	10.00	Nov. 5	12.64
Feb. 25	10.80	May 26	6.10	Aug. 15	10.25	Dec. 9	12.51
Mar. 24	3.92	June 26	8.35	Sept. 22	11.50		

69-39-35D5. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 25 feet. Highest water level 1.08 below lsd, Apr. 20, 1951; lowest 19.16 below lsd, Feb. 26, 1940. Records available: 1938-52.

Jan. 24	4.50	Apr. 24	1.50	July 28	9.24	Nov. 5	8.27
Feb. 25	6.47	May 26	2.17	Aug. 15	6.87	Dec. 9	7.60
Mar. 24	1.28	June 26	3.43	Sept. 22	8.08		

69-38-18N1. T. Slickerveer. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 50 feet, lined with tile. Highest water level 0.24 below lsd, July 18, 1951; lowest 9.74 below lsd, Feb. 15, 1939. Records available: 1934-52.

Jan. 24	0.26	Apr. 24	0.62	July 23	2.54	Oct. 10	2.69
Feb. 25	2.84	May 26	1.40	Aug. 15	2.80	Nov. 5	3.00
Mar. 27	.96	June 26	1.28	Sept. 22	2.37	Dec. 9	2.04

69-38-30G1. John Snyder. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 20 feet. Highest water level 1.16 below lsd, Apr. 25, 1944; lowest 13.44 below lsd, Nov. 25, 1941. Records available: 1937-52.

Jan. 24	6.52	Apr. 24	1.54	Aug. 15	6.73	Nov. 5	7.06
Feb. 25	4.64	July 23	6.50	Sept. 22	6.98	Dec. 17	6.10

69-38-30H1. John Snyder. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 24 feet. Highest water level 0.49 below lsd, Mar. 26, 1946; lowest 9.79 below lsd, Jan. 30, 1941. Records available: 1937-52.

Jan. 24	5.14	May 26	2.09	Aug. 15	6.25	Nov. 5	8.81
Feb. 25	5.20	June 26	5.07	Sept. 22	6.77	Dec. 17	5.86
Apr. 24	.70	July 23	4.38	Oct. 10	6.88		

69-38-34B1. Mr. Burton. Drilled observation water-table well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 35 feet, screen 33-35. Highest water level 6.85 below lsd, June 27, 1951; lowest 36.02 below lsd, Jan. 25, 1938. Records available: 1937-52.

Jan. 28	19.40	Apr. 25	10.07	July 23	17.18	Nov. 7	25.10
Feb. 27	24.70	May 28	13.99	Aug. 22	18.18	Dec. 11	25.10
Mar. 27	13.45	June 30	15.62	Sept. 23	21.60		

69-37-20M1. Amil Windhorst. Dug unused water-table well in glacial drift, diameter 36 inches, depth 63 feet, cribbed with brick. Highest water level 5.03 below lsd, June 27, 1951; lowest 46.54 below lsd, Oct. 22, 1948. Records available: 1934-52.

Jan. 28	19.33	Apr. 25	9.07	July 23	17.42	Nov. 7	21.30
Feb. 27	22.19	May 28	12.13	Aug. 22	17.60	Dec. 11	22.95
Mar. 27	15.18	June 30	13.50	Sept. 23	19.76		

69-37-20M2. Amil Windhorst. Drilled domestic water-table well in glacial drift, diameter 12 inches, depth 58 feet, lined with tile. Highest water level 4.39 below lsd, June 27, 1951; lowest 53.66 below lsd, Dec. 30, 1943. Records available: 1934-46, 1949-52.

Jan. 28	14.58	Apr. 25	12.70	July 23	14.70	Nov. 7	18.60
Feb. 27	17.10	May 28	10.38	Aug. 22	15.49	Dec. 11	19.33
Mar. 27	10.45	June 30	11.80	Sept. 23	17.30		

68-38-7N1. John Toft. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 44 feet, lined with tile. Highest water level 1.44 below lsd, June 23, 1947; lowest 19.44 below lsd, Mar. 28, 1938. Records available: 1934-52.

Jan. 24	11.90	Apr. 24	2.76	July 23	10.20	Oct. 10	14.78
Feb. 25	12.60	May 26	6.54	Aug. 15	12.89	Nov. 5	16.04
Mar. 24	5.39	June 26	11.60	Sept. 22	13.28	Dec. 17	14.18

68-38-29P1. Metropolitan Life Insurance Co. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 18 feet. Highest water level 4.82 below lsd, Mar. 27, 1942; lowest 15.44 below lsd, June 22, 1948. Records available: 1937-52.

68-38-29P1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	11.80	Apr. 24	6.34	July 28	12.00	Sept. 22	12.95
Feb. 25	12.20	May 26	9.78	Aug. 15	13.40	Nov. 5	12.45
Mar. 24	8.80	June 26	12.00				

67-38-20Q1. Albert Nordholm. Dug unused water-table well in glacial drift, diameter 36 inches, depth 20 feet, cribbed with brick. Highest water level 9.88 below lsd, June 23, 1947; lowest 21.05 below lsd, Aug. 25, 1948. Records available: 1934-52.

Jan. 24	15.60	Apr. 24	11.20	July 28	15.70	Nov. 5	17.75
Feb. 25	20.20	May 26	13.19	Aug. 15	16.60	Dec. 9	17.40
Mar. 24	12.75	June 26	15.07	Sept. 22	16.97		

67-38-21C1. Metropolitan Life Insurance Co. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 29 feet, lined with tile. Highest water level 0.00, Apr. 24, 1952; lowest 11.22 below lsd, Sept. 24, 1941. Records available: 1934-52.

Jan. 24	3.88	Apr. 24	0.00	July 28	7.19	Sept. 22	5.28
Feb. 25	4.60	May 26	5.34	Aug. 15	7.14	Nov. 5	4.92
Mar. 24	2.75	June 26	2.97				

Palo Alto County

97-34-29N1. J. D. Westergard. Drilled unused water-table well in glacial drift, diameter 20 inches, depth 8 feet, lined with tile. Highest water level 0.13 below lsd, Mar. 28, 1945; lowest 5.50 below lsd, Oct. 3, 1940. Records available: 1940-52. Apr. 30, 0.81; July 23, 0.59; Oct. 29, 0.70.

97-34-30Q1. Norman Broadwell. Dug domestic water-table well in glacial drift, diameter 48 to 18 inches, depth 25 feet, cribbed with rock. Highest water level 16.14 below lsd, July 23, 1944; lowest 19.46 below lsd, Oct. 2, 1940. Records available: 1940 45, 1948-52. Apr. 30, 16.22; July 23, 16.66; Oct. 29, 18.34.

96-34-6J1. Electric Park. Drilled park water-table well in glacial drift, diameter 18 inches, depth 20 feet, lined with tile. Highest water level 3.10 above lsd, Mar. 29, 1944; lowest 3.11 below lsd, July 23, 1952. Records available: 1940-52. Jan. 10, -0.28; Apr. 30, +0.98; July 23, -3.11; Oct. 29, -2.08.

Polk County

79-22-22A1. J. G. Reed. Dug unused water-table well in glacial drift, diameter 36 inches, depth 39 feet, cribbed with drain tile. Highest water level 2.23 below lsd, Mar. 31, 1942; lowest 8.55 below lsd, Dec. 22, 1950. Records available: 1940-52. Jan. 29, 4.24; Apr. 22, 3.60; July 17, 4.14; Oct. 30, 5.68.

78-25-10N1. City of West Des Moines. Drilled unused water-table well in alluvial sand and gravel, diameter 12 inches, depth 24 feet. Water levels affected by nearby pumping wells. Highest water level 9.20 below lsd, July 8, 1952; lowest 18.60 below lsd, Jan. 3, 1952. Records available: 1951-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.51	17.57	16.94	13.99	13.68	13.17	11.10	12.95	10.73	13.90	14.90	15.75
2	18.50	.....	16.74	13.83	13.98	12.85	11.35	12.90	10.62	13.95	15.10	15.40
3	18.60	17.23	16.54	13.77	13.96	13.45	11.40	12.95	10.95	13.60	15.52	15.55
4	17.80	17.43	16.71	14.01	14.07	13.40	11.55	13.00	11.08	13.55	15.22	15.70
5	17.60	17.67	16.58	14.15	14.02	13.26	11.30	13.05	11.15	13.40	15.30	15.55
6	17.50	17.65	16.60	13.97	14.20	13.40	11.50	12.75	11.00	13.30	15.40	15.52
7	17.35	17.29	16.58	13.66	13.97	13.60	9.90	13.10	11.00	13.75	15.25	15.60
8	17.45	17.15	16.48	13.62	14.10	13.40	9.20	13.30	11.40	13.85	15.23	15.55
9	17.61	17.05	16.27	13.88	13.90	13.70	9.40	13.25	11.60	14.10	15.07	15.80
10	17.67	16.94	16.07	13.83	14.02	13.60	9.90	13.35	11.65	14.40	15.40	15.65
11	17.67	17.10	15.86	13.82	13.44	14.00	10.25	13.45	11.50	13.35	15.38	15.50
12	17.69	17.06	15.58	13.76	13.72	14.10	10.35	13.70	11.95	13.99	15.51	15.72
13	17.51	17.10	15.34	13.56	13.65	14.10	10.65	13.65	12.05	14.18	15.47	15.67
14	17.35	17.26	15.43	13.85	13.80	14.20	10.70	13.65	12.15	14.35	15.30	15.92
15	17.94	17.17	15.36	14.05	13.97	13.65	10.90	13.40	12.30	14.01	15.17	15.87

78-25-10N1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	18.05	17.32	15.28	13.94	14.09	14.00	10.75	13.40	12.45	13.95	15.30	15.83
17	.....	16.93	15.48	13.99	13.95	14.25	11.10	13.40	12.05	14.20	15.58	15.65
18	17.84	16.81	15.29	14.08	13.68	14.50	11.10	13.55	12.45	14.40	15.60	15.62
19	17.52	16.93	15.27	13.83	13.97	14.55	11.50	13.45	12.60	14.05	15.62	15.87
20	17.57	16.97	14.95	13.53	13.93	14.70	11.40	13.55	12.50	14.40	15.62	15.70
21	17.46	16.78	14.67	13.74	14.01	14.55	11.55	.....	12.50	14.50	15.71	15.87
22	17.46	16.92	14.75	13.91	13.68	14.50	.....	.....	12.75	14.55	15.55	15.87
23	17.72	16.79	14.41	13.78	12.98	14.15	.....	13.60	12.80	14.65	15.62	15.90
24	17.63	17.02	14.17	13.68	12.93	14.35	.....	13.75	12.90	14.70	15.70	16.02
25	17.50	17.14	14.18	13.26	12.86	14.00	.....	13.80	13.00	14.75	15.45	16.00
26	17.61	17.18	14.42	13.64	12.91	14.20	.....	13.65	13.20	14.94	15.35	15.80
27	17.68	17.12	14.35	13.91	12.97	11.85	11.95	13.80	13.20	15.03	15.65	16.00
28	17.45	16.67	14.40	13.91	12.95	11.00	12.45	13.95	12.95	15.07	15.58	15.85
29	17.45	16.75	14.50	13.58	12.89	11.10	12.55	10.70	13.45	15.01	15.30	15.90
30	17.40		14.15	13.91	12.89	11.15	12.75	10.35	13.90	14.85	15.77	16.10
31	17.65		14.14		12.93		12.90	10.39		14.95		16.10

78-24-4P1. S. S. Kresge Co. 7th and Locust Sts., Des Moines. Drilled unused water-table well in alluvial sand and gravel, diameter 12 inches, depth 58 feet. Highest water level 26.41 below lsd, June 10, 1947; lowest 32.35 below lsd, June 22, 1949. Records available: 1943-52. Jan. 29, 28.59; Apr. 22, 28.51; July 17, 31.06; Oct. 30, 30.58.

Pottawattamie County

74-44-13J1. U. S. Geol. Survey. Lake Manawa. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 13 feet, screen 11-13. Highest water level 3.00 below lsd, May 2, 1951; lowest 8.82 below lsd, Dec. 11, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	8.40	Apr. 28	5.11	July 16	6.98	Sept. 30	7.14
18	8.23	May 6	5.52	Aug. 1	7.70	Oct. 17	8.59
Feb. 4	8.42	20	5.91	15	7.43	Nov. 3	8.78
20	8.52	June 9	6.36	Sept. 2	7.31	19	8.45
Mar. 5	8.61	24	6.92	17	8.11	Dec. 11	8.82
25	7.95						

74-44-16M1. U. S. Corps of Engineers. Levee relief well near South Omaha bridge. Drilled well in alluvium, diameter 6 inches, depth 37 feet, wooden screen. Highest water level 1.10 above lsd, May 2, 1951; lowest 7.06 below lsd, Dec. 11, 1952. Records available: 1951-52.

Jan. 2	-5.70	Mar. 25	-4.25	Aug. 1	-4.03	Oct. 17	-5.97
18	5.82	May 20	+.70	15	3.71	Nov. 3	6.07
Feb. 4	5.78	June 9	-.36	28	4.05	19	6.28
20	5.39	24	1.06	Sept. 17	4.95	Dec. 11	7.06
Mar. 5	4.44	July 16	2.00	30	5.60		

74-44-18E1. U. S. Geol. Survey. NE. cor. of Manawa Park. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 16 feet, screen 14-16. Highest water level 0.45 below lsd, May 2, 1951; lowest 7.04 below lsd, Nov. 19, 1952. Records available: 1950-52.

Jan. 2	6.62	Apr. 28	2.86	July 16	5.09	Sept. 30	6.48
18	6.28	May 6	3.54	Aug. 1	5.67	Oct. 17	6.81
Feb. 4	6.56	20	3.82	15	5.50	Nov. 3	7.01
20	6.69	June 9	4.57	Sept. 2	5.35	19	7.04
Mar. 5	6.80	24	5.04	17	6.17	Dec. 11	7.02
25	5.77						

Sac County

89-38-26A2. City of Schaller. Drilled public supply artesian well in Dakota sandstone, diameter 10 to 8 inches, depth 352 feet, cased to 352, perforations 304-352. Highest water level 209.92 below lsd, Oct. 7, 1948; lowest 225.02 below lsd, May 2, 1947. Records available: 1940-52. Jan. 9, 219.77; Apr. 29, 220.80; July 22, 220.35; Oct. 28, 221.18.

87-37-21A1. Wayne Ogren. Dug unused water-table well in glacial drift, diameter 5 feet, depth 13 feet, cribbed with brick. Highest water level 3.72 below lsd, Apr. 29, 1952; lowest 10.42 below lsd, Oct. 7, 1948. Records available: 1942-52. Apr. 29, 3.72; July 22, 5.72.

86-36-2C1. John Christian. Drilled unused water-table well in glacial drift, diameter 20 inches, depth 20 feet, lined with tile. Highest water level 0.85 below lsd, Dec. 31, 1945; lowest 11.60 below lsd, Oct. 7, 1948. Records available: 1940-52. Jan. 9, 3.44; Apr. 29, 1.25; July 22, 3.27. Measurement discontinued.

86-36-4N1. State Conservation Commission. Dug unused water-table well in glacial drift, diameter 36 inches, depth 9 feet, cribbed with concrete blocks. Highest water level 2.48 below lsd, June 28, 1945; lowest 6.57 below lsd, Oct. 7, 1948. Records available: 1940-52. Jan. 9, 6.35; Apr. 29, 3.78; July 22, 4.61; Oct. 28, 5.88.

Sioux County

95-45-5A1. City of Sioux Center. Drilled unused artesian well in Dakota sandstone, diameter 5 inches, depth 456 feet. Land-surface datum is about 1,454 feet above msl. Highest water level 266.94 below lsd, Sept. 8, 1945; lowest 269.09 below lsd, July 14, 1948. Records available: 1939-45, 1948-49, 1952. July 22, 268.24.

Story County

83-24-2Q1. City of Ames. Drilled unused artesian well in glacial sand and gravel, diameter 20 inches, depth 110 feet. Land-surface datum is about 925 feet above msl. Water levels affected by nearby pumping well. Highest water level 39.84 below lsd, June 3, 1951; lowest 59.30 below lsd, June 1, 1948. Records available: 1947-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	47.33	47.93	44.99	52.52	47.57	.....	49.1	49.0	.....	.....	.....
2	.....	46.97	47.71	44.81	52.54	47.65	.....	49.1	49.0	.....	.....	.....
3	.....	46.76	47.76	44.78	49.13	53.04	.....	48.7	49.3	.....	.....	.....
4	.....	47.74	47.91	45.21	47.45	53.22	.....	48.2	49.2	.....	.....	.....
5	.....	46.90	48.09	45.31	52.65	53.21	.....	53.4	49.2	.....	.....	.....
6	.....	46.95	47.90	45.35	52.81	53.32	.....	48.6	49.7	.....	.....	.....
7	.....	46.90	48.10	45.52	47.74	49.24	.....	48.8	49.2	.....	.....	.....
8	.....	47.03	47.97	45.64	52.85	53.57	.....	49.3	49.2	.....	.....	.....
9	48.51	47.03	48.04	46.21	47.34	48.38	.....	49.2	52.3	.....	.....	.....
10	48.65	47.08	47.72	46.12	47.60	.....	.....	48.7	49.3	.....	.....	.....
11	48.65	46.93	47.27	46.16	47.40	.....	.....	53.4	49.8	.....	.....	.....
12	48.75	47.06	46.87	46.11	47.42	.....	.....	48.7	49.3	.....	.....	.....
13	48.41	46.99	46.28	45.99	47.63	.....	.....	53.7	51.1	.....	.....	.....
14	48.28	47.34	46.38	46.04	52.82	.....	.....	49.2	49.3	.....	.....	.....
15	48.36	47.49	46.21	45.98	53.00	.....	.....	53.9	49.4	.....	.....	.....
16	48.20	47.24	46.22	46.11	48.01	.....	.....	49.5	54.4	.....	.....	.....
17	48.18	47.28	46.43	46.03	48.22	.....	.....	54.0	49.6	.....	.....	50.8
18	48.08	47.21	46.44	51.48	48.02	.....	.....	49.1	52.6	.....	.....	50.7
19	47.67	47.32	45.99	51.70	47.80	.....	.....	54.0	49.5	.....	.....	50.4
20	47.42	47.28	45.48	46.30	53.09	.....	.....	54.1	49.8	.....	.....	50.3
21	47.29	47.78	45.23	46.28	53.19	.....	.....	54.1	49.8	.....	.....	50.3
22	47.38	47.84	44.91	47.76	47.86	.....	53.1	54.1	49.6	.....	.....	50.3
23	47.46	47.70	44.99	46.65	48.25	.....	51.6	49.1	51.2	.....	.....	50.5
24	47.42	47.54	45.21	51.92	47.39	.....	48.4	49.1	49.6	.....	.....	50.2
25	47.16	47.65	45.43	47.10	47.46	.....	48.5	48.9	53.0	.....	.....	50.1
26	47.27	47.61	45.57	46.59	52.71	.....	53.4	54.1	49.7	.....	.....	50.1
27	47.15	47.80	45.60	47.05	47.49	.....	53.6	49.2	54.7	.....	.....	50.1
28	47.13	47.90	45.63	46.84	47.70	.....	53.5	54.2	49.8	.....	.....	50.0
29	47.32	47.72	45.72	52.24	52.86	.....	53.5	49.6	54.8	.....	.....	50.0
30	47.31		45.48	52.54	47.80	.....	53.6	54.2	.....	.....	.....	50.2
31	47.27		44.94		47.40		53.7	49.4		.....		50.2

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	52.79	53.28	50.35	52.87	53.08	.....	54.1	54.2	.....	.....	.....
2	.....	52.57	53.27	50.30	55.17	53.08	.....	54.0	54.2	.....	.....	.....
3	.....	52.40	53.30	50.45	55.46	53.52	.....	53.7	54.2	.....	.....	.....
4	.....	52.28	53.40	50.70	52.92	53.47	.....	53.7	54.3	.....	.....	.....
5	.....	52.48	53.43	50.88	53.21	53.72	.....	53.7	54.6	.....	.....	.....
6	.....	52.48	53.44	50.95	53.09	56.65	.....	53.9	54.5	.....	.....	.....
7	.....	52.48	53.46	51.12	52.89	56.72	.....	53.9	54.5	.....	.....	.....
8	.....	52.58	53.44	51.28	53.00	56.45	.....	54.0	54.5	.....	.....	.....
9	54.04	52.58	53.42	51.52	52.89	55.32	.....	54.0	54.9	.....	.....	.....
10	54.05	52.50	53.35	51.56	52.82	.....	.....	54.0	54.9	.....	.....	.....

83-24-2Q1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	54.02	52.46	52.64	51.57	52.83	.....	.....	54.0	55.0	.....	.....	.....
12	54.03	52.51	52.43	51.56	52.82	.....	.....	53.9	54.8	.....	.....	.....
13	53.99	52.55	52.00	51.57	52.86	.....	.....	54.2	55.0	.....	.....	.....
14	53.87	52.62	51.62	51.55	53.12	.....	.....	54.1	54.6	.....	.....	.....
15	53.84	52.65	51.68	51.54	53.21	.....	.....	54.5	54.4	.....	.....	.....
16	53.72	52.72	51.71	51.47	53.11	.....	.....	54.3	54.8	.....	.....	55.5
17	53.57	52.74	53.19	51.50	53.10	.....	.....	54.3	54.7	.....	.....	55.5
18	53.56	52.76	51.82	51.80	53.11	.....	.....	54.3	54.6	.....	.....	55.5
19	53.42	52.86	51.48	51.88	53.09	.....	.....	54.7	54.6	.....	.....	55.5
20	53.11	52.94	50.90	51.94	53.39	.....	.....	54.6	54.6	.....	.....	55.4
21	52.87	53.00	50.68	51.80	53.33	.....	.....	54.6	54.7	.....	.....	55.4
22	53.01	53.05	50.60	51.92	53.22	.....	55.8	54.4	54.6	.....	.....	55.3
23	53.02	53.10	50.75	51.96	53.12	.....	54.9	54.3	54.8	.....	.....	55.4
24	52.97	53.11	50.96	52.12	52.76	.....	53.5	54.4	54.7	.....	.....	55.3
25	52.76	53.12	51.08	52.15	52.87	.....	53.7	54.3	54.9	.....	.....	55.2
26	52.75	53.11	51.18	52.10	53.02	.....	55.0	54.5	54.8	.....	.....	55.2
27	52.78	53.14	51.19	52.36	52.88	.....	54.8	54.6	55.0	.....	.....	55.2
28	52.77	53.22	51.20	52.28	52.86	.....	53.9	56.2	55.0	.....	.....	55.1
29	52.80	53.24	51.14	55.55	53.09	.....	54.1	56.1	54.9	.....	.....	55.2
30	52.80		50.95	53.96	53.10	.....	54.2	54.8	.....	.....	.....	55.2
31	52.81		50.70		53.08		54.2	54.5		.....		55.3

83-24-4Q1. Iowa State College. Ames. Drilled unused artesian well in Jordan sandstone, diameter 12 to 5 inches, depth 2,250 feet, cased to 1,970. Highest water level 39.19 below lsd, May 13, 1942; lowest 46.33 below lsd, Sept. 18, 1950. Records available: 1939-52. Jan. 8, 41.34; Apr. 28, 40.41; July 21, 43.64; Oct. 27, 43.19.

83-24-4R1. Iowa State College. Ames. Dug unused water-table well in glacial drift, diameter 36 inches, depth 33 feet, cribbed with brick. Highest water level 6.31 below lsd, Apr. 25, 1947; lowest 25.34 below lsd, Apr. 2, 1951. Records available: 1942-52. Jan. 8, 16.36; Apr. 28, 7.20; July 21, 11.77; Oct. 27, 15.91.

83-24-20J1. Agricultural Engineering Experiment Station. Dug unused water-table well in glacial drift, diameter 36 inches, depth 38 feet, cribbed with brick. Highest water level 5.90 below lsd, May 31, 1944; lowest 26.09 below lsd, July 14, 1939. Records available: 1939-52. Jan. 8, 10.97; Apr. 28, 7.26; July 21, 13.03; Oct. 27, 14.33.

Tama County

82-13-13R1. City of Belle Plaine. Drilled observation water-table well in alluvial sand and gravel, diameter 8 inches, depth 29 feet. Highest water level 4.00 below lsd, Apr. 25, 1947; lowest 13.44 below lsd, July 13, 1945. Records available: 1945-49. No measurement made in 1952.

Van Buren County

69-10-36F1. City of Keosauqua. Drilled observation artesian well in limestone of Mississippian age, diameter 10 to 8 inches, depth 485 feet, cased to 178. Land-surface datum is 582 feet above msl. Highest water level 19.80 below lsd, June 19, 1950; lowest 22.70 below lsd, Mar. 16, 1951. Records available: 1949-52. Jan. 31, 20.77; Apr. 24, 20.04; July 7, 20.03; Oct. 28, 21.40.

Wapello County

72-14-25C1. City of Ottumwa. Driven observation water-table well in sand and gravel, diameter $1\frac{1}{4}$ inches, depth 17 feet, screen 15-17. Highest water level 0.08 above lsd, June 6, 1951; lowest 4.80 below lsd, Jan. 30, 1952. Records available: 1951-52. Jan. 30, 4.80; Apr. 23, 0.75; Oct. 29, 5.81.

72-14-24Q1. Iowa Geol. Survey. Driven observation water-table well in sand and gravel, diameter $1\frac{1}{4}$ inches, depth 23 feet, screen 21-23. Highest water level 4.03 below lsd, June 6, 1951; lowest 7.00 below lsd, Oct. 29, 1952. Records available: 1951-52. Jan. 30, 6.67; Apr. 23, 4.65; Oct. 29, 7.00.

Warren County

76-25-8Q1. Iowa State College. Dug domestic water-table well in glacial drift, diameter 36 inches, depth 30 feet, cribbed with rock. Highest water level 3.95 below lsd, Jan. 4, 1946; lowest 27.47 below lsd, Oct. 5, 1950. Records available: 1940-52. Jan. 29, 12.46; Apr. 23, 6.72; July 17, 11.59; Oct. 30, 12.76.

Webster County

90-30-26A1. County of Webster. Clare. Drilled domestic water-table well in glacial sand, depth 37 feet, lined with tile. Highest water level 4.91 below lsd, June 27, 1951; lowest 26.19 below lsd, Dec. 29, 1945. Records available: 1942-52. Jan. 10, 8.98; Apr. 30, 5.85; July 23, 7.64; Oct. 29, 12.96.

90-28-1B1. Ed Askland. Drilled stock water-table well in glacial drift, diameter 18 inches, depth 43 feet, lined with tile. Land-surface datum is about 1,155 feet above msl. Highest water level 2.44 below lsd, Apr. 30, 1952; lowest 15.70 below lsd, Dec. 22, 1949. Records available: 1942-43, 1945-52. Jan. 10, 4.17; Apr. 30, 2.44; July 23, 2.84; Oct. 29, 8.56.

90-28-8Q1. S. E. Hovey. Drilled domestic water-table well in glacial drift, depth 32 feet, lined with tile. Land-surface datum is about 1,130 feet above msl. Highest water level 4.66 below lsd, June 28, 1951; lowest 11.02 below lsd, Oct. 11, 1948. Records available: 1942-52. Jan. 10, 7.57; May 1, 6.99; July 23, 6.21; Oct. 29, 8.89.

90-27-31N1. C. S. Knudson. Drilled unused water-table well in glacial drift, diameter 15 inches, depth 53 feet, lined with tile. Land-surface datum is about 1,125 feet above msl. Highest water level 4.08 below lsd, June 28, 1951; lowest 13.90 below lsd, Dec. 17, 1948. Records available: 1942-43, 1948-52. Jan. 10, 6.48; May 1, 4.57; July 23, 4.14; Oct. 29, 7.79.

89-30-23R1. Johnson Township Consolidated School. Barnum. Drilled unused artesian well in sandstone, diameter 4 inches, depth 203 feet, cased to bottom. Highest water level 30.86 below lsd, July 2, 1945; lowest 35.36 below lsd, June 22, 1950. Records available: 1942-45, 1947-52. Jan. 10, 33.05; Apr. 30, 32.82; July 23, 32.75; Oct. 29, 33.16.

88-29-11C1. C. F. Madson. Drilled domestic water-table well in glacial drift, diameter 14 inches, depth 55 feet, lined with tile. Land-surface datum is about 1,130 feet above msl. Highest water level 3.65 below lsd, Apr. 4, 1951; lowest 13.02 below lsd, Oct. 11, 1948. Records available: 1942-52. Jan. 11, 7.27; Apr. 30, 4.49; July 23, 5.28; Oct. 30, 8.62.

87-30-30R1. School District No. 9. Drilled unused water-table well in glacial drift, diameter 14 inches, depth 42 feet, lined with tile. Highest water level 2.47 below lsd, Apr. 4, 1951; lowest 11.01 below lsd, Dec. 19, 1947. Records available: 1942-51. Measurement discontinued.

87-28-29N1. Grant Spangler. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 42 feet, lined with tile. Land-surface datum is about 1,165 feet above msl. Highest water level 1.04 below lsd, June 13, 1947; lowest 11.39 below lsd, Mar. 2, 1950. Records available: 1942-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.18	4.95	4.57	2.22	3.05	3.52	3.66	4.00	4.01	5.63	6.68	6.97
2	5.24	4.88	4.51	2.36	3.15	3.57	3.58	3.93	4.12	5.73	6.77	6.94
3	5.25	4.85	4.53	2.50	3.22	3.55	3.65	3.97	4.22	5.73	6.86	6.94
4	5.20	4.85	4.58	2.60	3.22	3.62	3.62	3.87	4.04	5.78	6.77	6.93
5	5.22	4.82	4.62	2.76	3.28	3.63	3.66	3.92	4.00	5.84	6.72	6.92
6	5.26	4.84	4.62	2.79	3.34	3.69	3.70	4.02	4.19	5.92	6.85	6.88
7	5.21	4.79	4.62	2.78	3.42	3.67	2.97	4.07	4.31	5.97	6.89	6.86
8	5.20	4.81	4.54	2.80	3.38	3.68	3.02	3.97	4.40	5.97	6.81	6.80
9	5.31	4.78	4.50	2.92	3.35	3.63	3.23	3.93	4.48	6.02	6.88	6.55
10	5.39	4.71	4.50	2.87	3.18	3.67	3.37	4.02	4.57	6.07	6.90	6.36
11	5.32	4.72	4.49	2.41	3.17	3.67	3.42	4.15	4.65	6.06	6.85	6.21
12	5.38	4.62	4.36	2.03	3.19	3.72	3.41	4.22	4.72	6.08	6.89	6.31
13	5.30	4.58	4.28	1.82	3.29	3.69	3.47	4.24	4.77	6.15	6.88	6.32
14	5.26	4.60	4.22	1.78	3.40	3.70	3.30	4.22	4.87	6.22	6.88	6.33
15	5.19	4.58	4.16	2.08	3.38	3.65	3.30	4.15	4.91	6.23	6.94	6.33
16	4.97	4.55	4.14	2.28	3.52	3.60	3.32	4.03	4.94	6.25	6.96	6.36
17	....	4.55	4.06	2.38	3.55	3.67	3.37	4.03	4.98	6.35	6.96	6.41
18	....	4.53	4.00	2.42	3.60	3.74	3.50	4.18	5.04	6.37	6.80	6.49
19	....	4.48	3.85	2.47	3.65	3.78	3.48	4.26	5.13	6.38	6.81	6.49
20	....	4.52	3.45	2.56	3.67	3.78	3.45	4.36	5.18	6.47	6.79	6.48
21	....	4.61	3.42	2.60	3.62	3.72	3.45	4.44	5.23	6.47	6.80	6.52
22	....	4.60	3.36	2.56	3.60	3.70	3.56	4.47	5.27	6.44	6.85	6.50
23	....	4.58	3.45	2.25	3.62	3.73	3.68	4.52	5.32	6.47	6.87	6.53
24	....	4.60	3.52	2.19	2.72	3.77	3.72	4.57	5.34	6.47	6.87	6.60
25	....	4.61	3.58	....	3.00	3.75	3.77	4.62	5.38	6.46	6.81	6.62

87-28-29N1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	....	4.53	3.60	....	3.18	3.80	3.82	4.63	5.44	6.50	6.72	6.61
27	....	4.51	3.50	....	3.27	3.47	3.85	4.66	5.45	6.54	6.78	6.66
28	....	4.51	2.81	....	3.35	3.46	3.94	4.42	5.47	6.62	6.85	6.62
29	....	4.52	2.36	....	3.42	3.58	4.00	3.94	5.57	6.62	6.90	6.59
30	....		1.90	3.00	3.45	3.59	4.07	3.78	5.58	6.57	6.95	6.65
31	....		1.91		3.44		4.03	3.88		6.64		6.68

87-27-18M1. J. B. Marsh. Drilled stock artesian well in sandstone of Pennsylvanian age, diameter 6 to 3 inches, depth 356 feet, cased 0-356, open bottom. Land-surface datum is about 1,110 feet above msl. Highest water level 122.05 below lsd, Dec. 16, 1944; lowest 137.66 below lsd, Mar. 31, 1949. Records available: 1942-52. Jan. 11, 126.45; Apr. 30, 126.06; July 23, 128.30; Oct. 30, 128.62.

86-30-5C1. E. C. Monson. Drilled stock artesian well in sandstone of Pennsylvanian age, diameter 6 inches, reported depth 225 feet, cased to 214. Highest water level 55.67 below lsd, Apr. 28, 1946; lowest 63.00 below lsd, Jan. 11, 1952. Records available: 1942-52. Jan. 11, 63.00; Oct. 30, 61.11.

86-29-14A1. F. E. Castenson. Drilled unused water-table well in glacial sand, diameter 12 inches, depth 39 feet, lined with tile. Land-surface datum is about 1,150 feet above msl. Highest water level 3.02 below lsd, June 22, 1950; lowest 9.73 below lsd, Oct. 11, 1948. Records available: 1942-52. Oct. 30, 8.32.

86-28-14H1. Town of Dayton. Drilled municipal artesian well in limestone of Devonian age, diameter 13 to 8 inches, depth 1,240 feet, cased 0-505, 770-966. Land-surface datum is about 1,120 feet above msl. Highest water level 69.93 below lsd, Nov. 17, 1942; lowest 147.40 below lsd, Apr. 28, Oct. 9, 1946. Records available: 1942-48, 1952. Jan. 11, 143.00, pumping.

86-27-4D1. A. B. Davis. Drilled domestic and stock artesian well in sandstone of Pennsylvanian age, diameter 5 inches, depth 225 feet, reported cased to 200. Land-surface datum is about 1,105 feet above msl. Highest water level 104.52 below lsd, Apr. 28, 1946; lowest 109.29 below lsd, Mar. 31, 1949. Records available: 1942-52. Jan. 11, 105.69; Apr. 30, 105.60.

Woodbury County

89-48-23B1. Sioux City. Riverside Blvd. and Hornick Ave. Drilled unused artesian well in Dakota sandstone, diameter 12 to 10 inches, depth 260 feet, cased to 227. Land-surface datum is about 1,102 feet above msl. Highest water level 9.25 below lsd, Apr. 11, 1952; lowest 16.26 below lsd, Feb. 1, 2, 1950. Records available: 1939-44, 1949-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.95	14.58	14.58	12.80	.....	.....	.....	.....	15.05	.....	.....	.....
2	14.92	14.44	14.57	12.43	.....	.....	12.15	.....	15.10	.....	.....	.....
3	14.92	14.43	14.62	11.81	.....	.....	.....	.....	15.14	.....	.....	.....
4	14.87	14.38	14.79	11.43	.....	12.74	.....	.....	15.18	.....	.....	.....
5	14.89	14.39	14.77	11.20	.....	.....	.....	14.77	15.20	.....	.....	.....
6	14.86	14.38	14.77	11.12	.....	.....	.....	14.80	15.28	.....	.....	.....
7	14.80	14.35	14.77	10.79	10.32	.....	.....	14.78	15.26	.....	.....	.....
8	14.86	14.43	14.74	10.46	.....	.....	.....	14.86	15.28	15.64	.....	.....
9	14.96	14.35	14.75	10.22	.....	.....	12.80	14.83	15.33	15.67	.....	.....
10	14.96	14.31	14.78	9.76	.....	.....	.....	14.88	15.37	15.67	.....	.....
11	14.91	14.25	14.77	9.25	.....	.....	.....	14.92	15.38	15.66	.....	.....
12	14.95	14.18	14.57	.....	.....	12.42	.....	.....	15.38	15.62	.....	.....
13	14.88	14.09	14.37	.....	.....	.....	.....	14.92	.....	15.63	.....	.....
14	14.80	13.97	14.37	.....	.....	.....	.....	14.93	.....	15.66	.....	.....
15	14.97	13.88	14.40	.....	.....	.....	.....	14.97	.....	15.64	.....	.....
16	14.90	13.83	14.40	.....	.....	.....	12.02	14.96	15.43	15.61	.....	.....
17	14.95	13.82	14.27	.....	.....	.....	.....	14.98	15.43	15.62	.....	.....
18	14.93	13.83	14.23	.....	.....	12.31	.....	14.99	15.45	15.64	.....	.....
19	14.62	13.87	14.09	.....	.....	.....	.....	15.02	15.47	15.63	.....	.....
20	14.54	14.14	13.95	.....	.....	.....	.....	15.03	15.47	15.63	.....	.....
21	14.45	14.32	13.86	.....	12.74	.....	.....	15.08	15.46	.....	.....	.....
22	14.61	14.36	13.68	.....	.....	.....	14.40	15.11	15.45	.....	.....	.....
23	14.60	14.39	13.70	.....	.....	.....	14.41	15.11	15.44	.....	.....	.....
24	14.47	14.47	13.77	.....	.....	.....	14.39	15.12	15.47	.....	.....	.....
25	14.39	14.52	13.93	.....	.....	12.22	14.35	15.07	15.48	.....	.....	.....

89-48-23B1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	14.46	14.52	14.17	.....	.....	.....	14.62	15.08	.....	.....	.....	.....
27	14.47	14.55	14.22	.....	.....	.....	.....	15.13	.....	.....	.....	.....
28	14.53	14.53	14.22	.....	12.81	.....	.....	15.14	.....	15.69	.....	.....
29	14.54	14.61	14.05	10.19	.....	.....	.....	15.07	.....	.....	.....	.....
30	14.53		13.37	.....	.....	.....	.....	14.92	.....	.....	.....	.....
31	14.54		13.03		.....		.....	14.98		.....		.....

89-47-22B2. Sioux City. 2600 Hawkeye Drive. Drilled unused artesian well in Dakota sandstone, diameter 26 to 16 inches, depth 343 feet, perforations 148-343. Land-surface datum is about 1,108 feet above msl. Water levels affected by pumping of nearby wells. Highest water level 11.63 below lsd, Apr. 16, 1952; lowest 29.40 below lsd, Aug. 27, 1949. Records available: 1949-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.45	16.92	18.35	16.79	13.86	15.56	17.85	17.25	16.38	15.90	16.67	17.08
2	17.55	16.89	17.81	16.36	13.70	15.37	18.06	17.20	16.48	16.42	17.03	17.12
3	17.92	17.59	18.32	16.39	14.85	15.38	17.16	16.67	16.22	15.83	17.39	18.11
4	18.84	17.38	19.33	16.34	14.47	15.09	17.36	16.63	16.91	15.71	17.08	18.40
5	18.86	16.75	19.67	15.45	15.05	15.14	16.46	16.79	16.99	15.63	17.19	18.41
6	17.57	16.66	19.77	15.36	15.80	16.16	15.89	16.66	17.65	15.77	17.51	18.13
7	17.14	16.67	19.75	16.28	15.78	16.76	15.87	17.20	17.34	16.57	17.11	17.33
8	17.85	17.33	19.53	15.97	14.94	16.89	15.35	16.44	17.10	16.04	17.12	16.94
9	18.16	17.44	18.42	15.51	14.64	16.24	15.93	16.90	17.38	16.59	17.19	17.78
10	18.93	18.18	18.03	15.24	13.80	16.64	16.89	17.33	17.32	16.72	17.15	18.27
11	18.91	17.37	18.17	14.07	13.45	16.75	17.34	17.04	18.27	16.42	18.25	18.93
12	19.20	16.81	17.71	13.19	13.40	17.52	17.63	16.67	18.62	16.90	18.14	19.51
13	17.99	16.70	17.84	13.46	13.88	18.60	16.44	17.06	18.13	17.07	17.96	19.72
14	17.76	16.63	18.23	14.06	13.85	17.68	15.45	17.62	17.51	17.10	18.02	18.89
15	18.78	17.37	18.08	12.06	14.44	16.68	15.37	17.88	17.11	16.91	18.06	18.45
16	18.99	16.86	17.14	11.63	14.35	17.48	16.36	17.55	16.75	16.79	18.16	19.07
17	19.04	16.91	17.19	12.41	15.21	16.99	17.20	16.95	16.63	16.98	16.79	18.92
18	18.23	17.08	17.24	12.66	15.04	17.44	17.66	16.87	16.62	16.82	16.87	18.99
19	18.13	17.06	18.22	12.72	14.94	18.40	17.87	16.83	16.57	16.48	17.50	18.99
20	18.61	16.85	18.60	12.43	15.20	17.01	17.62	17.28	15.84	16.30	17.91	19.13
21	18.00	16.86	18.46	12.27	15.36	16.42	17.17	17.38	15.48	16.07	18.08	19.22
22	18.69	16.89	17.66	12.04	15.12	15.44	17.60	17.20	15.39	15.68	18.22	19.37
23	18.69	17.60	17.17	12.31	14.92	15.41	16.83	16.58	16.10	15.60	17.87	18.67
24	17.99	18.61	17.01	12.51	14.77	16.05	16.22	16.70	15.93	16.80	17.64	18.37
25	17.91	18.18	17.78	12.54	14.70	16.87	17.09	16.49	16.52	17.13	17.61	18.33
26	18.42	18.55	18.50	12.56	14.76	17.10	17.88	16.47	16.58	17.30	18.64	19.34
27	18.25	18.70	18.97	12.21	14.80	16.54	17.83	17.28	15.79	17.34	18.87	19.29
28	18.12	18.79	18.33	12.49	15.39	17.10	18.08	17.65	15.86	16.85	18.56	19.30
29	18.15	18.91	17.90	13.22	15.47	16.70	18.05	16.87	15.87	16.29	18.59	19.57
30	18.01		16.76	13.55	14.91	16.20	17.55	16.67	15.72	16.01	17.78	19.38
31	17.44		16.26		14.68		17.72	16.81		16.08		19.30

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.64	17.68	19.18	17.09	13.50	16.18	18.59	18.21	16.83	16.43	17.07	17.78
2	18.22	17.93	18.55	17.05	14.85	16.18	18.71	18.03	17.11	16.66	17.39	18.15
3	19.10	18.25	19.33	16.49	15.53	15.51	18.10	18.03	17.36	16.48	17.66	18.42
4	19.23	18.40	19.70	16.43	15.56	15.37	18.13	16.97	17.67	16.48	17.63	18.71
5	19.03	17.38	19.82	16.36	15.80	16.16	17.36	17.03	17.96	16.42	18.72	18.70
6	19.03	16.81	19.90	16.37	16.07	16.81	16.46	17.22	18.22	16.56	18.60	18.42
7	17.86	17.37	19.89	16.40	16.10	17.07	16.34	17.43	18.00	16.68	18.37	18.31
8	18.38	17.50	19.82	16.45	15.78	17.11	16.35	17.64	18.18	16.76	17.22	17.78
9	18.94	18.29	19.60	16.45	14.94	17.07	16.89	17.59	18.07	16.75	17.28	18.27
10	19.04	18.43	18.42	15.81	14.95	17.25	17.34	17.70	18.27	16.84	18.64	18.93
11	19.24	18.50	18.34	15.24	13.80	17.52	17.63	17.47	18.62	16.91	18.56	19.52
12	19.28	17.37	18.23	14.07	14.30	18.60	17.70	17.40	19.02	17.10	18.28	19.76
13	19.25	17.32	18.27	14.90	14.25	19.36	17.70	17.62	18.76	18.08	18.15	19.88
14	18.78	17.80	18.36	15.03	15.08	19.26	16.44	17.88	18.55	17.92	18.26	19.87
15	19.16	18.12	18.42	14.06	15.24	17.90	17.11	18.42	17.51	17.10	18.26	19.20
16	19.18	17.37	18.08	12.41	15.46	17.96	17.20	18.20	17.35	17.02	18.25	19.34
17	19.38	17.84	17.46	12.71	15.53	17.80	17.66	17.55	17.12	17.16	18.18	19.11
18	19.45	17.97	18.22	12.82	15.21	19.14	16.92	17.02	17.16	17.07	18.06	19.13
19	19.67	17.77	18.98	13.41	15.78	19.17	18.04	17.75	17.27	16.95	18.10	19.26
20	19.53	17.42	19.23	13.41	15.81	18.40	17.93	18.05	16.52	16.60	18.08	19.22

89-47-22B2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	18.69	17.66	19.23	12.47	15.94	17.30	17.80	17.80	15.84	16.37	18.36	19.81
22	19.67	17.62	18.95	12.39	15.96	16.42	17.95	17.42	17.01	16.15	18.44	20.02
23	19.67	18.61	17.66	12.52	15.24	16.75	17.86	17.19	16.95	16.79	18.22	19.37
24	19.38	19.18	18.03	12.66	15.07	17.58	17.09	16.96	16.52	17.13	17.87	18.67
25	19.11	18.71	18.50	12.70	14.95	17.93	18.30	16.85	16.73	17.30	18.64	19.82
26	18.97	18.78	19.00	13.04	14.99	17.94	18.52	17.76	16.82	17.42	19.41	19.84
27	18.54	18.80	19.08	13.00	15.90	17.53	18.46	18.35	16.57	18.04	19.55	19.36
28	18.96	18.94	19.04	13.22	15.99	17.60	18.62	18.13	16.58	18.04	18.87	19.79
29	18.95	19.12	18.33	13.55	16.01	17.37	18.26	18.08	16.57	16.85	18.91	20.11
30	18.20		17.91	13.74	15.98	18.51	18.18	17.38	16.48	16.29	18.91	19.61
31	18.54		16.79		15.56		18.22	17.26		16.82		19.47

KANSAS

By Betty J. Mason and W. W. Wilson

Scope of Water-Level Program

The observation-well program in Kansas was continued in 1952 in cooperation with the State Geological Survey, the Division of Water Resources of the State Board of Agriculture, and the Division of Sanitation of the State Board of Health. The city of Wichita cooperated in Harvey, McPherson, and Sedgwick Counties. Also, an observation-well program was continued in the Missouri Basin in cooperation with the U. S. Bureau of Reclamation. A total of 350 wells was measured in 1952 as a part of the Missouri Basin program, 96 of which are included in this report. Figures 8, 9, 10, and 11 show the location of observation wells in Kansas.

Five reports in regard to ground-water investigations were published by the State Geological Survey of Kansas: Bulletin 94, Ground-water resources of Pawnee Valley, by V. C. Fishel; Bulletin 95, Geology and ground-water resources of Lincoln County, by D. W. Berry; Bulletin 96, part 5, Geology and ground-water resources of the Kansas River between Lawrence and Topeka, by S. N. Davis and W. A. Carlson; Bulletin 98, Geology and ground-water resources of North Fork Solomon River in Mitchell, Osborne, Smith, and Phillips Counties, by A. R. Leonard; and Volume 12, part 3, Ground-water resources of Lyon County, by H. G. O'Connor.

Precipitation

Protracted drought which began in June and continued through the balance of the year made 1952 the second driest year of record and stands in sharp contrast to 1951, the wettest of record. The State average precipitation exceeded that of 1936 by only 0.34 inch. Two outstanding records were established; June was the hottest June and October the driest month since statewide weather service began in 1887. The 6-month period, May through October, provided only 50 percent of the normal precipitation. Also, the first 10 months was the driest such period, with a statewide average of 16.10 inches, caused primarily by the substantial deficiencies of May through July, September, and October. All districts of the State recorded annual precipitation deficiencies greater than 5 inches.

Interpretation of Water-Level Fluctuations

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

Because of the low precipitation in 1952, ground-water levels in Kansas generally declined throughout the year. One well near Valley Center in Sedgwick County in south-central Kansas has been measured since 1937. Measurement was begun in the well near Garden City in southwestern Kansas in 1936. In 1940 the water levels were at low stages because of the drought during the preceding decade. From 1940 to 1951 the precipitation was fairly abundant, and the water levels in much of Kansas had an upward trend. During the summer of 1951, the precipitation was unusually high throughout the State. As a consequence, the water levels generally reached record high stages. The maximum stages reached by the water levels were about 9 feet higher than their previous low stages. The water levels declined during about the last half of 1951 and continued to decline during most of 1952. The water levels in the Garden City and Valley Center wells declined about 3 feet during 1952, and at the end of the year the water levels had reached unusually low stages. The water level in the Valley Center well was only about a foot higher than its record low level in 1938.

Well-Numbering System

Wells are either numbered serially within counties or are given a location number in accordance with the Bureau of Land Management system of land subdivision. In the location system the first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. Thus, in Cheyenne County, the number 1-38-8ddb indicates that the well is in the $NW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$ sec. 8, T. 1 S., R. 38 W.

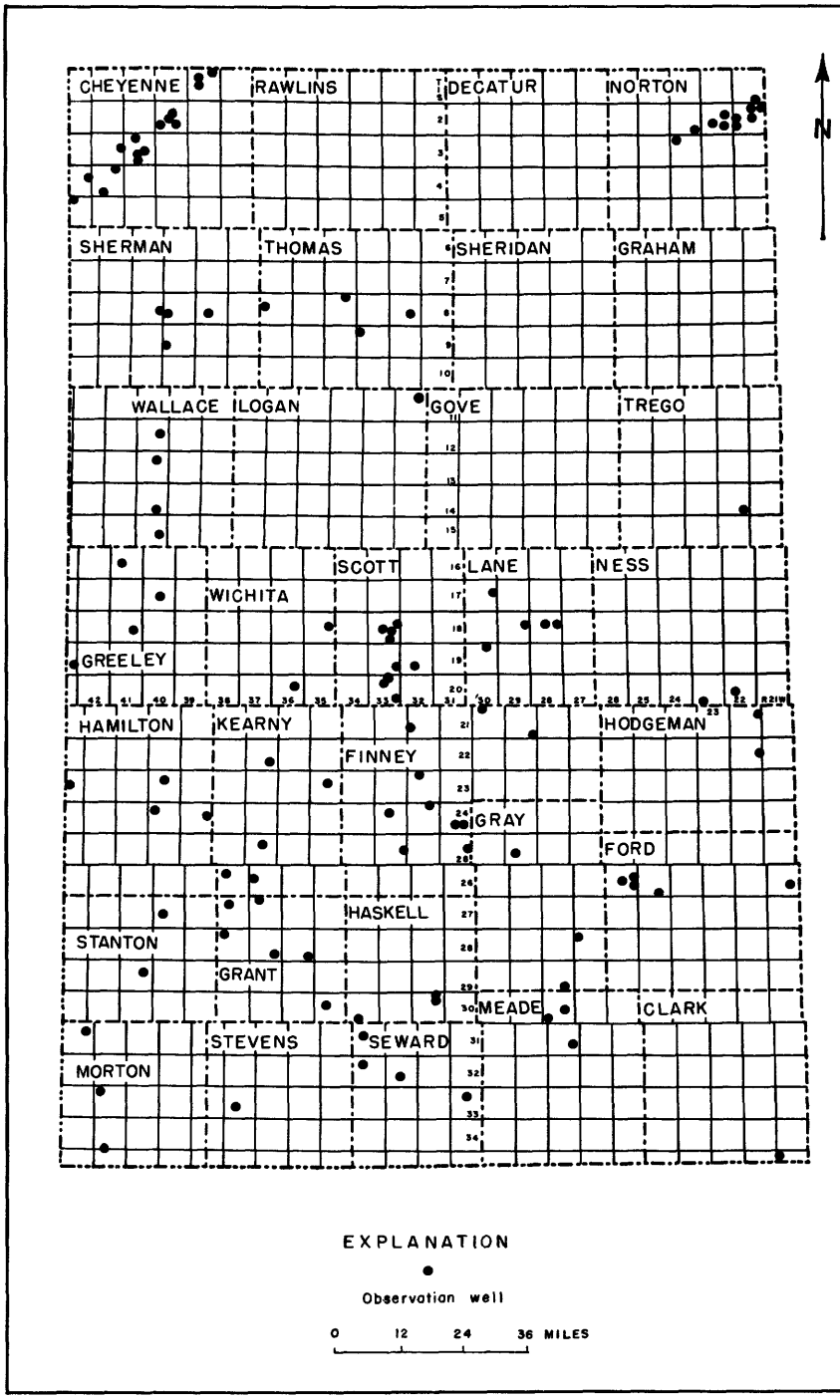

Figure 8. --Location of observation wells in western Kansas, 1952.

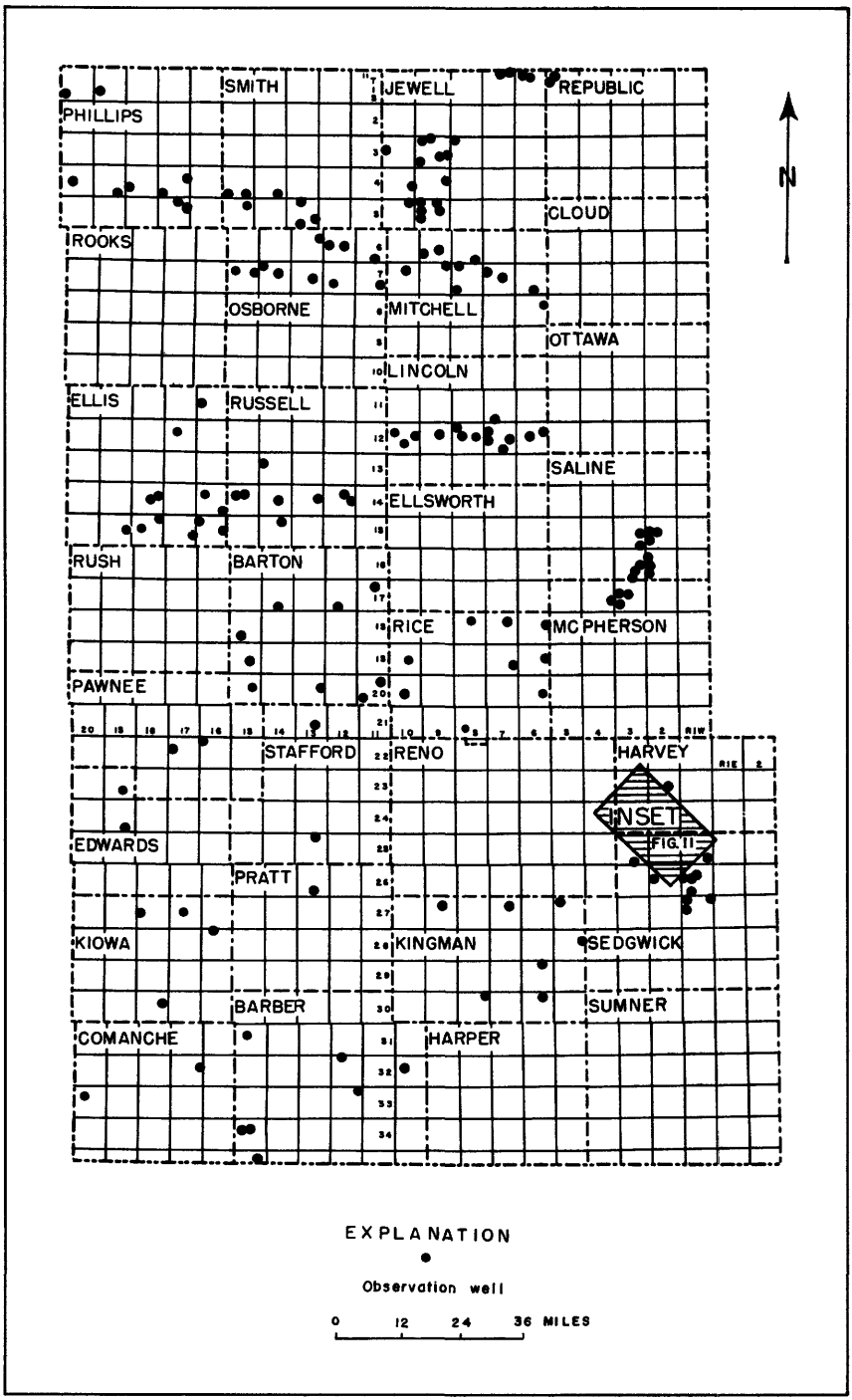

Figure 9.--Location of observation wells in central Kansas, 1952.

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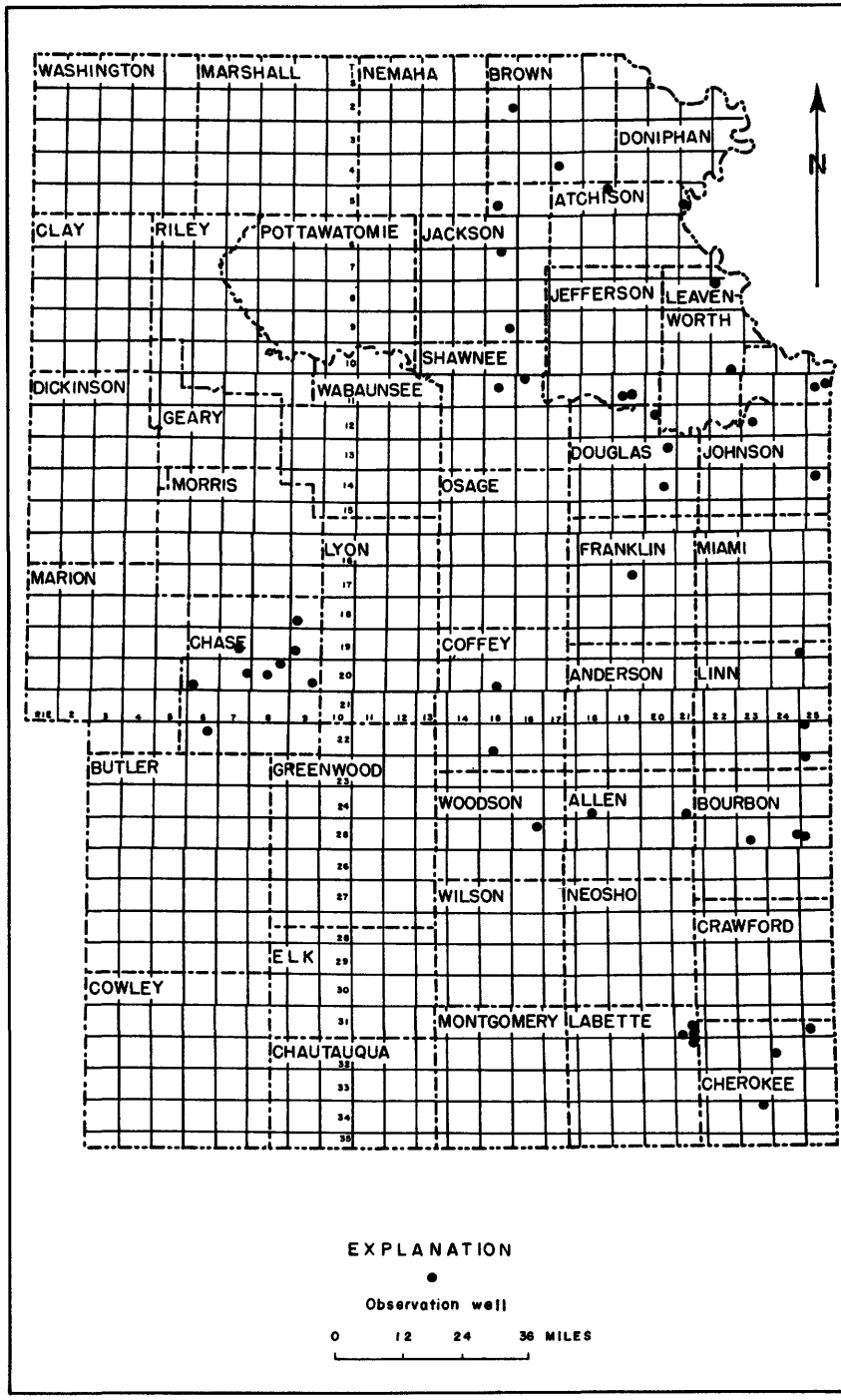

Figure 10.--Location of observation wells in eastern Kansas, 1952.

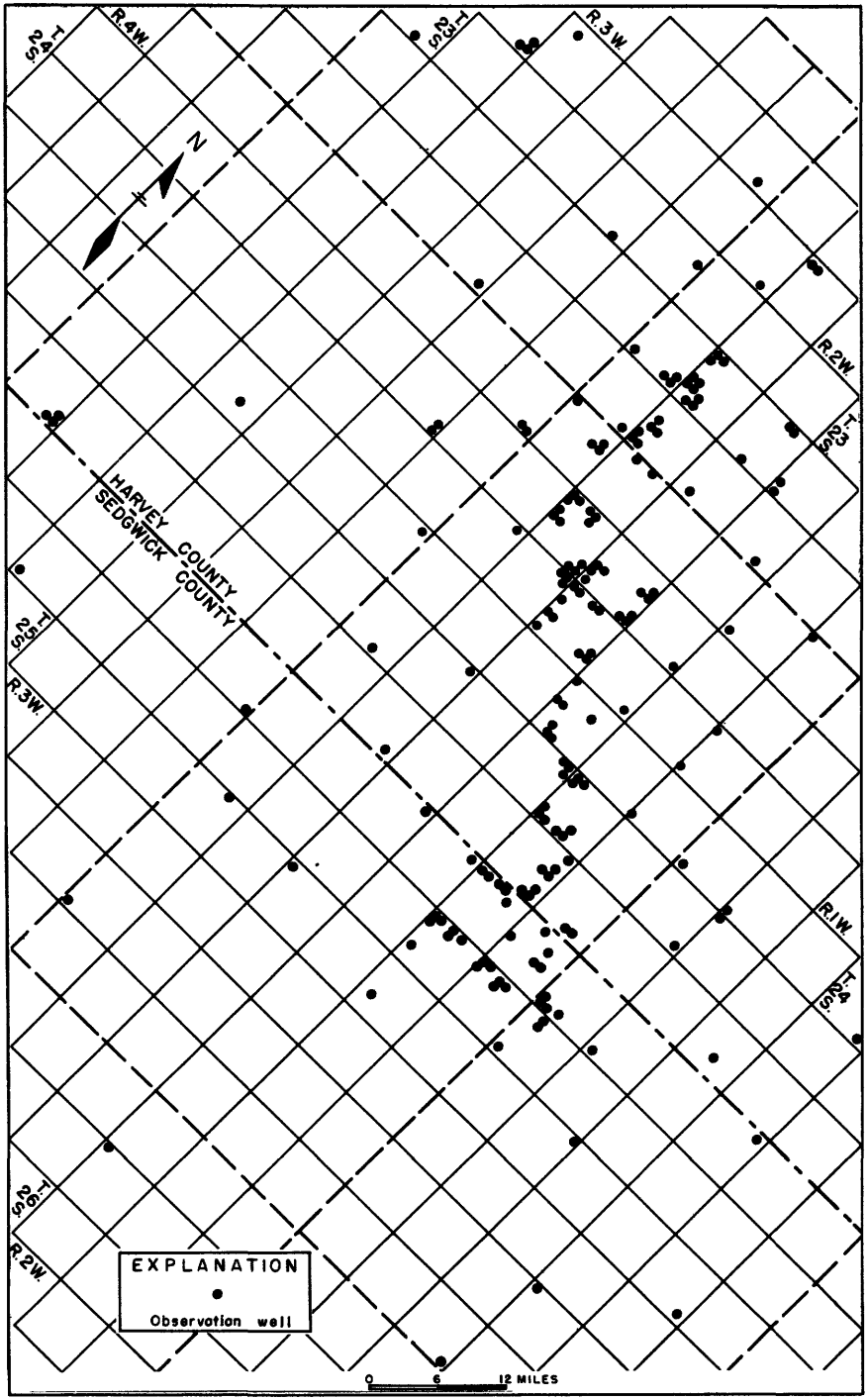

Figure 11.--Location of observation wells in parts of Harvey and Sedgwick Counties, Kans., 1952.

Well Descriptions and Water-Level Measurements

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

Allen County

24-18-33baa. Arnold Estate. Dug unused water-table well in Chanute shale, diameter 5 feet, depth 19 feet, cribbed with rock. Highest water level 8.87 below lsd, Mar. 1, 1949; lowest 13.18 below lsd, June 7, 1948. Records available: 1948-52. Feb. 21, 12.20.

24-21-33dcd. J. F. Harris. Drilled unused water-table well, diameter 12 to 10 inches. Highest water level 37.35 below lsd, Mar. 1, 1949; lowest 41.35 below lsd, Apr. 18, 1951. Records available: 1948-52. Feb. 21, 40.64.

Atchison County

5-18-3dd. Lee Savage. Dug unused water-table well in glacial deposits, diameter 36 inches, depth 10 feet, cribbed with rock. Highest water level 0.39 below lsd, Sept. 27, 1951; lowest 2.57 below lsd, Nov. 27, 1948, Feb. 9, 1949. Records available: 1948-52. Feb. 12, 1.49.

6-21-32d. L. A. Walker. Dug unused water-table well in glacial deposits, diameter 5 feet, depth 13 feet, cribbed with rock. Highest water level 3.19 below lsd, Apr. 15, 1949; lowest 8.76 below lsd, Nov. 27, 1948. Records available: 1948-52. Feb. 12, 4.74.

Barber County

1. D. S. Shaw. SE¼NW¼ sec. 19, T. 31 S., R. 15 W. Drilled unused water-table well in deposits of Permian age, diameter 8 to 6 inches, depth 97 feet. Highest water level 56.40 below lsd, June 20, 1951; lowest 82.99 below lsd, Oct. 17, 1940. Records available: 1940-52. Mar. 19, 64.15; June 9, 63.40; Sept. 3, 64.20; Dec. 10, 63.84.

4. Madge Evans. SW¼SE¼ sec. 4, T. 32 S., R. 12 W. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 42 feet. Highest water level 12.50 below lsd, June 22, 1949; lowest 16.30 below lsd, Aug. 20, 1943. Records available: 1940-52. Mar. 19, 13.65; June 9, 12.89; Sept. 3, 14.75; Dec. 10, 14.42.

5. R. Kenney. NE¼NW¼ sec. 1, T. 33 S., R. 12 W. Dug stock water-table well in alluvium, diameter 24 inches, depth 35 feet, cribbed with stone. Highest water level 17.20 below lsd, June 9, 1952; lowest 30.15 below lsd, Sept. 24, 1941. Records available: 1940-52. Mar. 19, 17.32; June 9, 17.20; Sept. 3, 17.93; Dec. 10, 18.66.

8. P. Brack. SE¼NE¼ sec. 17, T. 34 S., R. 15 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 22 feet, cribbed with brick. Highest water level 8.87 below lsd, Nov. 21, 1941; lowest 17.98 below lsd, Mar. 21, 1941. Records available: 1940-52. Mar. 19, 15.82; June 9, 13.20; Sept. 3, 16.26; Dec. 10, 16.68.

9. V. D. Wells. SE¼SE¼ sec. 18, T. 34 S., R. 15 W. Driven unused water-table well in alluvium, diameter 1 inch, depth 11 feet. Highest water level 1.07 below lsd, June 20, 1951; lowest 4.54 below lsd, Aug. 21, 1943. Records available: 1940-52. June 9, 1.55; Sept. 3, 3.67; Dec. 10, 3.50.

10. G. H. Davis. NW¼SW¼ sec. 11, T. 35 S., R. 15 W. Drilled unused water-table well in deposits of Permian age, diameter 5 inches, depth 152 feet. Highest water level 102.20 below lsd, Mar. 15, 1945; lowest 107.72 below lsd, Sept. 25, 1948. Records available: 1940-52. Mar. 19, 105.72; June 9, 105.85; Sept. 3, 106.26; Dec. 10, 106.27.

13. J. A. Hrencher. SW¼SE¼ sec. 17, T. 32 S., R. 10 W. Dug unused water-table well in deposits of Pleistocene age, diameter 4 feet, depth 22 feet, concrete casing. Highest water level 1.98 below lsd, Sept. 19, 1951; lowest 16.99 below lsd, Oct. 22, 1940. Records available: 1940-52. Mar. 19, 6.12; June 9, 6.46; Sept. 3, 7.95. Measurement discontinued.

Barton County

1. F. Panning. SE¼SE¼ sec. 3, T. 20 S., R. 11 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 12 feet. Highest water level 0.3 above lsd, June 26, 1951; lowest 5.53 below lsd, Nov. 19, 1952. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	3.89	Apr. 16	3.60	July 29	4.60	Oct. 20	5.46
Feb. 18	4.03	May 21	3.63	Aug. 20	4.85	Nov. 19	5.53
Mar. 10	3.85	June 24	4.22	Sept. 17	5.18	Dec. 18	5.39

16. Teichmann. NE¼SE¼NE¼ sec. 12, T. 20 S., R. 13 W. Drilled observation water-table well in Meade formation, diameter 6 inches, depth 49 feet. Highest water level 25.02 below lsd, Oct. 23, 1951; lowest 30.69 below lsd, Jan. 23, 1947. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	25.13	Apr. 16	25.53	July 28	25.74	Oct. 20	26.14
Feb. 18	25.32	May 21	25.59	Aug. 21	25.83	Nov. 19	26.34
Mar. 10	25.42	June 24	25.65	Sept. 17	25.98	Dec. 18	26.55

43. M. Hagen. SW¼SW¼SW¼ sec. 20, T. 20 S., R. 11 W. Drilled observation water-table well in Meade formation, diameter 6 inches, depth 46 feet. Highest water level 12.97 below lsd, Aug. 21, 1951; lowest 33.98 below lsd, Nov. 19, 1952. Records available: 1942-52.

Jan. 21	14.93	Apr. 16	15.48	July 28	16.68	Oct. 20	17.83
Feb. 18	15.17	May 21	15.34	Aug. 20	17.45	Nov. 19	33.98
Mar. 10	15.30	June 24	16.00	Sept. 17	17.48	Dec. 18	17.94

100. Unruh. NW¼NE¼ sec. 11, T. 20 S., R. 15 W. Drilled observation water-table well in Dakota formation, diameter 5 inches, depth 76 feet. Highest water level 27.05 below lsd, June 23, 1949; lowest 35.14 below lsd, Nov. 16, 1947. Records available: 1944-52.

Jan. 21	32.92	May 21	32.05	Aug. 20	33.31	Nov. 19	33.78
Feb. 19	32.97	June 25	32.57	Oct. 21	33.78	Dec. 17	33.72
Apr. 16	32.80	July 29	33.27				

103. F. Konareck. SE¼SE¼ sec. 33, T. 17 S., R. 12 W. Drilled observation water-table well in alluvium, diameter 5 inches, depth 25 feet. Highest water level 0.25 below lsd, Aug. 29, 1950; lowest 7.66 below lsd, Aug. 21, 1946. Records available: 1944-52.

Jan. 22	2.92	Apr. 16	1.98	July 29	5.03	Oct. 20	5.35
Feb. 19	3.03	May 21	3.47	Aug. 20	5.20	Nov. 19	4.34
Mar. 10	3.25	June 24	4.60	Sept. 17	5.35	Dec. 17	5.07

107. Carter Oil Co. SE¼SE¼ sec. 10, T. 17 S., R. 11 W. Drilled observation water-table well in Dakota formation, diameter 6 inches, depth 168 feet. Highest water level 95.67 below lsd, May 21, 1952; lowest 101.60 below lsd, Feb. 20, 1946. Records available: 1944-52.

Jan. 22	96.65	Apr. 16	96.85	July 29	96.49	Oct. 20	97.56
Feb. 19	96.65	May 21	95.67	Aug. 20	96.48	Nov. 19	97.49
Mar. 10	96.77	June 25	95.84	Sept. 17	96.74	Dec. 17	97.39

109. J. C. Cook. SW¼SW¼ sec. 28, T. 18 S., R. 15 W. Drilled observation water-table well in alluvium, depth 46 feet. Highest water level 1.49 below lsd, July 11, 1951; lowest 14.61 below lsd, July 10, 1946. Records available: 1944-52.

Jan. 22	7.95	Apr. 16	7.10	July 29	9.85	Oct. 21	10.94
Feb. 19	8.03	May 21	7.65	Aug. 20	10.41	Nov. 19	11.05
Mar. 10	8.08	June 25	9.15	Sept. 18	10.61	Dec. 17	11.09

110. Prudential Life Insurance Co. NE¼NE¼ sec. 33, T. 17 S., R. 14 W. Drilled observation water-table well in alluvium, diameter 6 inches, depth 48 feet. Highest water level 11.73 below lsd, Aug. 21, 1951; lowest 23.00 below lsd, Oct. 20, 1948. Records available: 1944-52.

Jan. 22	13.18	Apr. 16	12.38	July 29	13.01	Oct. 21	13.58
Feb. 19	13.07	May 21	12.04	Aug. 20	13.28	Nov. 19	13.65
Mar. 10	13.11	June 25	12.39	Sept. 17	13.48	Dec. 18	13.60

131. F. W. Gagleman. SE¼SE¼ sec. 22, T. 19 S., R. 15 W. Drilled observation water-table well in alluvium, diameter 5 inches, depth 25 feet. Highest water level 7.84 below lsd, Oct. 23, 1951; lowest 14.81 below lsd, Sept. 23, 1948. Records available: 1944-52.

Jan. 22	9.50	Apr. 16	9.37	July 29	11.00	Oct. 21	11.37
Feb. 19	9.43	May 22	9.08	Aug. 20	10.58	Nov. 19	11.41
Mar. 11	9.54	June 25	10.14	Sept. 18	10.22	Dec. 17	11.38

Bourbon County

1. City of Fort Scott. NE¼SE¼SE¼ sec. 29, T. 25 S., R. 25 E. Drilled unused water-table well in Jefferson City dolomite, diameter 8 to 6 inches, depth 1,461 feet. Highest water level 180.25 below lsd, Mar. 29, 1946; lowest 192.57 below lsd, Nov. 29, 1952. Records available: 1942-47, 1950-52.

Jan. 31	191.33	May 2	191.14	Aug. 29	191.82	Nov. 29	192.57
Feb. 27	190.95	June 10	191.60	Oct. 4	192.13	Dec. 31	192.50
Mar. 29	191.18	30	191.60				

25-23-27bbb. Harold Comstock. Dug unused water-table well in Bandera shale, diameter 5 feet, depth 11 feet. Highest water level 1.53 below lsd, Sept. 28, 1951; lowest 6.13 below lsd, May 6, 1948. Records available: 1948-52. Feb. 21, 1.80.

25-24-13dda. John Ibson. Dug unused water-table well in Labette shale, diameter 6 feet, depth 23 feet, cribbed with rock. Highest water level 3.08 below lsd, Apr. 18, 1951; lowest 7.51 below lsd, Oct. 15, 1948. Records available: 1948-52. Feb. 21, 3.69.

Brown County

2-15-25dd. Henry Rieger. Dug unused water-table well in alluvium, diameter 36 inches, depth 14 feet, cribbed with rock. Highest water level 7.94 below lsd, Aug. 1, 1951; lowest 9.92 below lsd, Nov. 27, 1948. Records available: 1948-51. No measurement made in 1952.

4-17-17ada. H. C. Brown. Drilled unused water-table well in glacial deposits, diameter 6 inches, depth 51 feet, tile casing. Highest water level 31.19 below lsd, Nov. 27, 1951; lowest 37.19 below lsd, Nov. 27, 1948. Records available: 1948-52. Feb. 12, 33.64.

Chase County

18-9-29cc. Peak & Hatcher Co. Drilled domestic water-table well in Bader limestone and Elk Creek shale, diameter 8 inches, depth 24 feet. Highest water level 17.57 below lsd, July 24, 1951; lowest 24.63 below lsd, Oct. 3, 1947. Records available: 1947-52. July 11, 23.25; Oct. 2, 24.59.

19-7-10da. Herbert T. Drake. Dug unused water-table well in alluvium, diameter 42 inches, depth 24 feet, cribbed with rock. Highest water level 3.19 below lsd, July 24, 1951; lowest 12.00 below lsd, Mar. 6, 1950. Records available: 1948-52. July 11, 8.76; Oct. 2, 11.49.

19-9-30cc. E. E. Andrews. Drilled unused water-table well in Red Eagle limestone, diameter 8 inches, depth 65 feet. Highest water level 30.83 below lsd, July 24, 1951; lowest 41.22 below lsd, June 8, 1948. Records available: 1947-52. July 11, 38.42; Oct. 2, 41.06.

20-6-31bd. B. S. Thompson. Drilled unused water-table well in Wreford limestone, diameter 6 inches, depth 43 feet. Highest water level 14.20 below lsd, July 24, 1951; lowest 25.25 below lsd, Mar. 27, 1948. Records available: 1947-52. July 11, 22.77; Oct. 2, 24.61.

20-7-13cb. Geo. W. Starkey. Dug domestic water-table well in Fort Riley and Florence limestone, diameter 4 feet, depth 56 feet, cribbed with rock. Highest water level 8.87 below lsd, Sept. 5, 1950; lowest 19.09 below lsd, Mar. 27, 1948. Records available: 1947-52. July 11, 12.20; Oct. 2, 15.81.

20-8-2bd. School district. Drilled unused water-table well in valley alluvium, diameter 5 inches, depth 21 feet. Highest water level 2.32 below lsd, July 24, 1951; lowest 10.96 below lsd, Mar. 6, 1950. Records available: 1947-52. July 11, 5.68; Oct. 2, 8.88.

20-8-16aa. Gerald Brough. Drilled domestic water-table well in Cottonwood limestone, diameter 7 inches, depth 33 feet. Highest water level 3.28 below lsd, July 24, 1951; lowest 10.57 below lsd, Sept. 26, 1947. Records available: 1947-52. July 11, 5.39; Oct. 2, 9.73.

20-9-26dd. Ethel Welch Bell. Drilled domestic water-table well in Crouse limestone, diameter 7 inches, depth 29 feet. Highest water level 13.65 below lsd, Sept. 5, 1950; lowest 16.47 below lsd, Jan. 16, 1951. Records available: 1947-51. No measurement made in 1952.

22-6-11cc. Margaret Smith. Drilled unused water-table well in Fort Riley and Florence limestone, diameter 5 inches, depth 86 feet. Highest water level 2.58 below lsd, July 24, 1951; lowest 7.95 below lsd, Sept. 23, 1947. Records available: 1947-52. July 11, 5.58; Oct. 2, 6.59.

Cherokee County

1. W. L. Stiles. NE¼NW¼NE¼ sec. 2, T. 34 S., R. 23 E. Dug domestic water-table well in Bluejacket sandstone, diameter 6 feet, depth 27 feet. Highest water level 5.50 below lsd, May 26, 1943; lowest 16.43 below lsd, Dec. 31, 1952. Records available: 1942-45, 1948, 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29	7.78	June 13	10.70	Aug. 30	15.39	Nov. 28	16.34
Mar. 28	8.18	30	11.99	Oct. 3	15.65	Dec. 31	16.43
May 2	8.90						

3. Mr. Fleming. SW¼ sec. 19, T. 32 S., R. 24 E. Unused water-table well in Roubidoux sandstone, diameter 8 inches, depth 850 feet. Highest water level 196.53 below lsd, July 23, 1943; lowest 208.35 below lsd, Jan. 4, 1951. Records available: 1943, 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29	203.25	June 13	203.40	Aug. 30	204.20	Nov. 28	203.98
Mar. 28	203.28	30	204.24	Oct. 3	205.38	Dec. 31	204.03
May 2	203.21						

31-25-19dd. Sam Ross. SE¼SE¼ sec. 19, T. 31 S., R. 25 E. Drilled domestic water-table well in limestone of Mississippian age, diameter 8 inches, depth 315 feet. Highest water level 190.12 below lsd, June 13, 1952; lowest 194.70 below lsd, Mar. 1, 1951. Records available: 1951-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1951	194.70	Feb. 28, 1952	190.24	June 13, 1952	190.12	Oct. 3, 1952	192.00
Dec. 28	192.15	Mar. 28	190.48	30	190.38	Nov. 28	192.11
Jan. 30, 1952	192.24	May 2	190.18	Aug. 30	191.30	Dec. 31	192.10

Cheyenne County

1-38-2cd. Paul O'Brien. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 42 feet. Highest water level 21.37 below lsd, May 6, 1952; lowest 23.39 below lsd, Aug. 26, 1952. Records available: 1948-52. Feb. 12, 21.56; May 6, 21.37; Aug. 26, 23.39; Nov. 13, 23.24.

1-38-8ddb. H. O. Haines. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 34 feet. Highest water level 11.24 below lsd, Feb. 25, 1947; lowest 13.79 below lsd, Nov. 13, 1952. Records available: 1946-52. Feb. 12, 11.87; May 6, 11.43; Aug. 26, 13.62; Nov. 13, 13.79.

1-38-17cdd. F. J. Ostick. Drilled domestic and observation water-table well in alluvium, diameter 5 inches, depth 22 feet. Highest water level 11.07 below lsd, July 25, 1951; lowest 12.68 below lsd, Nov. 13, 1952. Records available: 1946-52. Feb. 12, 11.50; May 6, 11.09; Aug. 26, 12.31; Nov. 13, 12.68.

2-39-10bba. A. L. Pugh. Drilled unused water-table well in alluvium, diameter 5 inches, depth 39 feet. Highest water level 24.95 below lsd, May 6, 1952; lowest 27.10 below lsd, Aug. 3, 1948. Records available: 1947-52. Feb. 12, 25.06; May 6, 24.95; Aug. 26, 25.40; Nov. 13, 25.96.

2-39-17baa. Myrtle E. Armstrong. Dug stock well, diameter 24 inches, depth 13 feet. Highest water level 9.98 below lsd, May 6, 1952; lowest 13.78 below lsd, Nov. 13, 1952. Records available: 1946-47, 1949-50, 1952. Feb. 12, 10.63; May 6, 9.98; Aug. 26, 13.10; Nov. 13, 13.78.

2-39-19ccc. A. C. Keller. Drilled well, diameter 4 inches, depth 23 feet. Highest water level 15.03 below lsd, May 6, 1952; lowest 17.27 below lsd, Nov. 13, 1952. Records available: 1948-50, 1952. Feb. 12, 15.44; May 6, 15.03; Aug. 26, 16.59; Nov. 13, 17.27.

2-39-27bbb. G. W. Best. Drilled unused water-table well in alluvium, diameter 8 inches, depth 29 feet. Highest water level 16.37 below lsd, July 25, 1951; lowest 19.50 below lsd, Mar. 27, 1946. Records available: 1946-52. Feb. 12, 17.63; May 6, 18.41; Aug. 26, 18.93; Nov. 13, 18.84.

3-40-9baa. P. G. Walter. Drilled stock and observation water-table well in alluvium, diameter 5 inches, depth 16 feet. Highest water level 11.69 below lsd, Feb. 25, 1947; lowest 20.94 below lsd, Aug. 26, 1952. Records available: 1946-52. Feb. 12, 20.68; May 6, 20.60; Aug. 26, 20.94; Nov. 13, 20.77.

3-40-22aba. T. Holleman and others. Drilled unused water-table well in alluvium, diameter 5 inches, depth 19 feet. Highest water level 10.02 below lsd, July 29, 1947; lowest 15.73 below lsd, Nov. 13, 1952. Records available: 1946-52. Feb. 12, 12.67; May 6, 10.85; Aug. 26, 14.03; Nov. 13, 15.73.

3-40-28cbb. D. Danielson. Drilled observation water-table well in alluvium, diameter 5 inches, depth 26 feet. Highest water level 10.02 below lsd, Mar. 20, 1946; lowest 12.75 below lsd, Aug. 16, 1946. Records available: 1946-52. Feb. 12, 11.08; May 6, 10.84; Aug. 26, 12.65; Nov. 13, 12.52.

3-40-33dda. H. L. Harkins. Drilled unused water-table well in Ogallala formation and colluvium, diameter 6 inches, depth 27 feet. Highest water level 11.90 below lsd, July 29, 1947; lowest 14.50 below lsd, Mar. 4, 1946. Records available: 1946-52. Feb. 12, 12.78; May 6, 12.75; Aug. 26, 12.87; Nov. 13, 13.02.

3-41-13ccd. F. Walz. Drilled unused domestic well, diameter 5 inches, depth 15 feet. Highest water level 7.83 below lsd, Mar. 16, 1949; lowest 15.78 below lsd, Aug. 16, 1946. Records available: 1946-50, 1952. Feb. 12, 10.12; May 6, 9.86; Aug. 26, 11.05; Nov. 13, 12.51.

4-41-2aad. W. E. Johnson. Drilled domestic and stock water-table well in alluvium, diameter 6 inches, depth 30 feet. Highest water level 20.04 below lsd, July 12, 1950; lowest 28.53 below lsd, Oct. 4, 1949. Records available: 1946-52. Feb. 12, 25.63; May 6, 25.35; Aug. 26, 27.07; Nov. 13, 26.11.

4-41-32ddb. Simon E. Matson. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 121 feet. Highest water level 112.70 below lsd, Nov. 13, 1952; lowest 114.76 below lsd, Aug. 16, 1946. Records available: 1946-47, 1949-52. Feb. 12, 114.44; May 6, 112.79; Aug. 26, 113.11; Nov. 13, 112.70.

4-42-24cac. Jake Waltz. Drilled irrigation water-table well in Ogallala formation, diameter 24 inches, depth 72 feet. Highest water level 24.48 below lsd, July 25, 1951, May 6, 1952; lowest 25.89 below lsd, Sept. 7, 1947. Records available: 1946-52. Feb. 12, 24.69; May 6, 24.48; Aug. 26, 25.69; Nov. 13, 25.26.

5-42-4aac. A. Corder. Drilled stock well, diameter 6 inches, depth 37 feet. Highest water level 21.83 below lsd, Dec. 5, 1947, June 8, 1948; lowest 23.68 below lsd, Aug. 2, 1949. Records available: 1946-50, 1952. Feb. 12, 22.24; May 6, 22.07; Aug. 26, 23.67; Nov. 13, 23.55.

Clark County

6. District School. NE¼NE¼ sec. 7, T. 35 S., R. 21 W. Drilled unused water-table well in alluvium, diameter 6 inches, depth 36 feet. Highest water level 26.28 below lsd, June 19, 1951; lowest 27.69 below lsd, Oct. 5, 1943. Records available: 1940-43, 1950-52. Mar. 19, 26.65; June 9, 26.66; Sept. 3, 27.13; Dec. 10, 27.17.

Coffey County

20-15-34dcb. G. Skillman. Dug unused water-table well in Kanwaka shale, diameter 30 inches, depth 40 feet, cribbed with rock. Highest water level 1.71 below lsd, Mar. 1, 1949; lowest 8.35 below lsd, Nov. 26, 1948. Records available: 1948-52. Feb. 21, 2.89.

22-15-34da. B. D. Harreld. Dug unused water-table well in Lawrence shale, diameter 36 inches, depth 18 feet, cribbed with rock. Highest water level 6.46 below lsd, Feb. 21, 1952; lowest 16.90 below lsd, Oct. 15, 1948. Records available: 1948-52. Feb. 21, 6.46.

Comanche County

1. A. A. Carpenter. NE¼NW¼ sec. 8, T. 33 S., R. 20 W. Drilled unused water-table well in deposits of Permian age, diameter 6 inches, depth 43 feet. Highest water level 35.30 below lsd, Sept. 19, 1951; lowest 40.52 below lsd, June 20, 1941. Records available: 1940-52. Mar. 19, 35.72; June 9, 35.44; Sept. 3, 35.63; Dec. 10, 35.90.

9. H. R. Burnette. NW¼NE¼ sec. 13, T. 32 S., R. 17 W. Drilled unused water-table well, diameter 5 inches, depth 102 feet. Highest water level 84.70 below lsd, June 13, 1950; lowest 98.30 below lsd, Dec. 20, 1946. Records available: 1940-51. No measurement made in 1952.

Douglas County

13-20-11bab. Armstrong Martin. Drilled stock water-table well in terrace deposits, diameter 8 inches, depth 38 feet. Highest water level 6.32 below lsd, Aug. 2, 1951; lowest 19.88 below lsd, Nov. 26, 1948. Records available: 1948-52. Feb. 21, 11.40.

14-19-23ccc. C. A. Puckett. Dug unused water-table well in Lawrence shale, diameter 36 inches, depth 13 feet, cribbed with rock. Highest water level 3.54 below lsd, Mar. 1, 1949; lowest 5.26 below lsd, Oct. 15, 1948. Records available: 1948-52. Feb. 21, 3.78.

12-20-17ccb. Frank D. Walters. NW¼SW¼SW¼ sec. 17, T. 12 S., R. 20 E. Drilled observation water-table well in terrace deposits, diameter 10 inches, depth 50 feet. Highest water level 14.47 below lsd, Apr. 29, 1952; lowest 19.68 below lsd, Dec. 31, 1952. Records available: 1952.

12-20-17ccb--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	16.05	16.38	15.60	14.59	.....	16.84	17.71	18.18	18.80	19.17	19.45
2	.....	16.05	16.35	15.62	14.60	.....	16.88	17.72	18.20	18.81	19.19	19.46
3	.....	16.03	16.38	15.59	14.65	15.84	16.92	17.75	18.23	18.82	19.21	19.46
4	.....	16.05	16.41	15.50	14.68	15.86	16.95	17.79	18.24	18.85	19.21	19.47
5	.....	16.08	16.42	15.49	14.74	15.91	16.97	17.82	18.27	18.87	19.21	19.48
6	.....	16.09	16.48	15.46	14.80	15.96	17.01	17.85	18.29	18.89	19.24	19.48
7	.....	16.08	16.48	15.44	14.85	15.99	17.04	17.87	18.31	18.89	19.24	19.48
8	.....	16.11	16.35	15.41	14.87	16.04	17.06	17.89	18.33	18.90	19.25	19.48
9	.....	16.11	16.23	15.47	14.94	16.07	17.09	17.93	18.36	18.91	19.26	19.50
10	.....	16.13	16.00	15.49	14.99	16.11	17.12	17.95	18.38	18.92	19.27	19.51
11	.....	16.14	15.87	15.45	15.05	16.15	17.17	17.98	18.40	18.93	19.28	19.51
12	.....	16.12	15.72	15.39	15.08	16.20	17.20	18.02	18.42	18.94	19.28	19.52
13	.....	16.16	15.68	15.36	15.10	16.25	17.21	18.04	18.45	18.96	19.29	19.54
14	.....	16.18	15.66	15.36	15.11	16.30	17.17	18.06	18.48	18.98	19.30	19.55
15	.....	16.19	15.65	15.37	15.17	16.34	17.18	18.08	18.50	18.99	19.31	19.55
16	.....	16.18	15.63	15.37	15.24	16.40	17.21	18.12	18.51	19.01	19.32	19.56
17	.....	16.19	15.55	15.36	15.28	16.42	17.24	18.15	18.53	19.02	19.34	19.57
18	.....	16.16	15.53	15.34	15.30	16.47	17.26	18.14	18.56	19.03	19.35	19.57
19	.....	16.22	15.53	15.32	15.31	16.49	17.27	18.14	18.59	19.04	19.36	19.58
20	.....	16.26	15.54	15.29	15.33	16.54	17.30	18.16	18.62	19.06	19.37	19.59
21	.....	16.27	15.50	15.27	15.37	16.56	17.34	18.16	18.63	19.07	19.38	19.59
22	.....	16.27	15.54	15.18	15.42	16.56	17.38	17.87	18.65	19.08	19.40	19.60
23	.....	16.29	15.54	15.02	15.46	16.58	17.42	17.82	18.67	19.09	19.40	19.62
24	.....	16.32	15.56	14.86	15.49	16.61	17.45	17.80	18.69	19.10	19.38	19.63
25	.....	16.33	15.58	14.82	15.50	16.67	17.50	17.83	18.70	19.11	19.41	19.63
26	.....	16.31	15.57	14.82	15.58	16.70	17.53	17.88	18.72	19.12	19.43	19.65
27	.....	16.32	15.54	14.82	15.59	16.73	17.57	17.94	18.74	19.14	19.43	19.65
28	.....	16.34	15.50	14.82	15.59	16.76	17.60	18.00	18.75	19.15	.....	.....
29	.....	16.36	15.50	14.47	15.60	16.80	17.63	18.05	18.77	.....	.....	.....
30	.....		15.49	14.49	15.61	16.83	17.68	18.08	18.78	19.15	.....	.....
31	.....		15.48		15.65		17.69	18.14		19.16		19.68

Edwards County

1. M. Shouse. NW¼SW¼ sec. 35, T. 24 S., R. 19 W. Dug and drilled unused water-table well in alluvium, diameter 16 inches, depth 28 feet. Highest water level 3.17 below lsd, June 25, 1951; lowest 7.97 below lsd, Sept. 13, 1946. Records available: 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	5.56	Apr. 15	5.78	July 28	6.53	Oct. 20	7.20
Feb. 18	5.85	May 21	5.69	Aug. 20	6.08	Nov. 19	6.93
Mar. 10	5.75	June 24	6.13	Sept. 17	7.19	Dec. 17	6.77

10. E. F. Lippoldt. SW¼SW¼ sec. 22, T. 23 S., R. 19 W. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 4½ feet, depth 70 feet. Highest water level 63.42 below lsd, July 2, 1947; lowest 68.20 below lsd, Mar. 13, 1946. Records available: 1944-52.

Jan. 21	63.60	Apr. 15	63.74	July 28	63.58	Oct. 20	63.59
Feb. 18	63.63	May 21	63.51	Aug. 20	63.55	Nov. 19	63.60
Mar. 10	63.58	June 24	63.58	Sept. 17	63.51	Dec. 17	63.46

Ellis County

215. A. H. Romine. NE¼NW¼ sec. 7, T. 11 S., R. 16 W. Dug stock water-table well in deposits of Pleistocene age, diameter 24 inches, depth 20 feet, cribbed with rock. Highest water level 9.76 below lsd, July 23, 1951; lowest 17.70 below lsd, Oct. 15, 1947. Records available: 1941-52. Jan. 22, 10.70; June 29, 13.66; Oct. 21, 15.71.

218. W. W. Bemis. NE¼NE¼ sec. 16, T. 12 S., R. 17 W. Dug unused water-table well in Codell sandstone, diameter 24 inches, depth 83 feet. Highest water level 11.76 below lsd, July 23, 1951; lowest 54.67 below lsd, Dec. 22, 1943. Records available: 1941-52. Jan. 22, 24.34; June 29, 26.43; Oct. 21, 31.87.

14-16-17cb. J. M. Schippers. Dug stock water-table well in alluvium, diameter 5 feet, depth 24 feet, cribbed with stone. Highest water level 15.22 below lsd, July 27, 1951; lowest 19.88 below lsd, Nov. 16, 1950. Records available: 1946-52. Feb. 29, 17.82; Sept. 10, 19.02; Dec. 9, 19.00.

14-16-36bc. Tony Wagner. Dug stock and observation water-table well in sand, diameter 4 feet, depth 29 feet, cribbed with stone. Highest water level 14.50 below lsd, Oct. 26, 1951; lowest 23.40 below lsd, Dec. 9, 1952. Records available: 1946-52. Feb. 28, 16.95; June 10, 16.55; Sept. 10, 17.48; Dec. 9, 23.40.

14-18-12bb. J. Brull. Dug domestic and stock water-table well in sand, diameter 4 feet, depth 31 feet, cribbed with stone. Highest water level 19.90 below lsd, Dec. 26, 1951; lowest 27.15 below lsd, July 30, 1946. Records available: 1946-52. Sept. 10, 21.51; Dec. 9, 24.40.

14-18-26aa. F. J. Befort. Dug domestic and stock water-table well in deposits of Pleistocene age, diameter 4 feet, depth 24 feet, cribbed with stone. Highest water level 14.60 below lsd, July 27, 1951; lowest 20.85 below lsd, Jan. 8, 1948. Records available: 1946-52. Feb. 29, 17.10; June 10, 17.04; Sept. 10, 19.45; Dec. 9, 19.90.

15-16-6dd. Ted Thalen. Dug domestic and stock water-table well in alluvium, diameter $4\frac{1}{2}$ feet, depth 30 feet, cribbed with stone. Highest water level 18.12 below lsd, Aug. 27, 1951; lowest 24.33 below lsd, Aug. 9, 1946. Records available: 1946-52. Feb. 29, 19.06; June 10, 20.29; Sept. 10, 21.60.

15-16-13bb. Ethel M. Witt. Dug domestic and stock water-table well in sand, diameter 4 feet, depth 17 feet, cribbed with stone. Highest water level 13.29 below lsd, Aug. 27, 1951; lowest 14.85 below lsd, July 17, 1946. Records available: 1946-52. Feb. 29, 13.80; June 10, 13.70; Sept. 10, 13.90; Dec. 9, 13.60.

15-17-25cb. George Meder. Dug domestic and observation water-table well, diameter 4 feet, depth 15 feet, cribbed with stone. Highest water level 10.08 below lsd, July 27, 1951; lowest 12.99 below lsd, Feb. 10, 1950. Records available: 1946-52. Feb. 29, 11.18.

15-18-1bb. Mat Rohr. Dug stock and observation water-table well in deposits of Pleistocene age, diameter 24 inches, depth 33 feet, cribbed with stone. Highest water level 13.82 below lsd, June 10, 1952; lowest 28.22 below lsd, July 24, 1946. Records available: 1946-52. Feb. 29, 15.22; June 10, 13.82; Sept. 10, 16.52; Dec. 9, 16.30.

15-18-16bb. T. W. Wolf. Dug domestic and stock water-table well in sand, diameter 40 inches, depth 16 feet, cribbed with stone. Highest water level 1.17 below lsd, May 15, 1951; lowest 9.55 below lsd, July 12, 1946. Records available: 1946-52. Feb. 29, 3.95; June 10, 3.85; Sept. 10, 9.35.

15-19-13ab. Pete Wolfe. Dug stock and observation water-table well in sand of Pleistocene age, diameter 36 inches, depth 13 feet, cribbed with rock. Highest water level 2.18 below lsd, Aug. 27, 1951; lowest 9.30 below lsd, Oct. 8, 1947. Records available: 1946-52. Feb. 27, 3.58. Measurement discontinued.

Finney County

1. Mrs. A. M. Reid. $NE\frac{1}{4}NE\frac{1}{4}$ sec. 9, T. 24 S., R. 33 W. Drilled observation water-table well, diameter 15 inches, depth 21 feet. Highest water level 1.05 below lsd, June 29, 1951; lowest 11.46 below lsd, Mar. 8, 1941. Records available: 1936-52.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.89	4.84	4.96	4.99	4.80	5.17	5.87	5.24	6.73	7.61	7.87	8.00
2	4.88	4.81	4.97	4.99	4.77	5.18	5.90	5.27	6.77	7.63	7.88	7.99
3	4.87	4.83	4.98	5.00	4.76	5.18	5.94	5.34	6.83	7.64	7.88	7.99
4	4.85	4.85	5.00	5.00	4.76	5.18	5.95	5.48	6.88	7.64	7.89	7.99
5	4.85	4.86	5.01	5.02	4.75	5.19	5.97	5.61	6.93	7.66	7.90	7.97
6	4.85	4.88	5.02	5.05	4.78	5.20	5.65	5.73	6.95	7.67	7.91	7.97
7	4.83	4.87	5.01	5.03	4.80	5.22	5.49	5.82	6.95	7.68	7.91	7.96
8	4.84	4.88	5.00	5.06	4.81	5.24	5.56	5.92	6.95	7.69	7.91	7.95
9	4.88	4.89	4.97	5.08	4.84	5.25	5.59	6.00	6.95	7.69	7.92	7.95
10	4.86	4.90	4.97	5.07	4.87	5.27	5.73	6.07	7.02	7.70	7.93	7.95
11	4.84	4.90	4.96	5.05	4.88	5.29	5.81	6.14	7.05	7.71	7.94	7.95
12	4.84	4.88	4.92	5.08	4.90	5.32	5.69	6.19	7.10	7.73	7.95	7.95
13	4.81	4.90	4.95	5.10	4.92	5.34	5.42	6.22	7.13	7.74	7.96	7.94
14	4.79	4.93	4.95	5.11	4.94	5.36	5.32	6.21	7.19	7.75	7.97	7.93
15	4.79	4.93	4.96	5.12	4.97	5.37	5.39	6.22	7.22	7.76	7.97	7.92

1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	4.78	4.93	4.92	5.14	5.00	5.40	5.50	6.25	7.27	7.78	7.96	7.91
17	4.78	4.92	4.88	5.15	5.03	5.42	5.61	6.28	7.30	7.79	7.98	7.90
18	4.75	4.92	4.89	5.14	5.06	5.43	5.70	6.32	7.34	7.80	7.99	7.89
19	4.75	4.95	4.90	5.13	5.07	5.46	5.74	6.37	7.38	7.81	8.00	7.89
20	4.75	4.96	4.92	5.13	5.07	5.45	5.62	6.42	7.42	7.82	8.00	7.88
21	4.73	4.96	4.94	5.12	5.07	5.49	5.56	6.40	7.45	7.83	8.00	7.87
22	4.77	4.98	4.97	5.08	5.08	5.49	5.56	6.15	7.47	7.83	8.01	7.86
23	4.80	4.99	4.99	4.99	5.10	5.56	5.59	6.09	7.48	7.83	8.01	7.86
24	4.80	4.98	4.96	4.93	5.11	5.61	5.59	6.13	7.51	7.83	8.00	7.86
25	4.80	5.00	4.97	4.90	5.11	5.65	5.54	6.28	7.53	7.84	8.01	7.86
26	4.83	4.99	4.98	4.88	5.11	5.68	5.53	6.41	7.55	7.84	8.01	7.84
27	4.86	4.98	4.98	4.87	5.13	5.72	5.50	6.48	7.57	7.86	8.02	7.83
28	4.85	4.96	4.97	4.88	5.15	5.78	5.56	6.51	7.58	7.86	8.01	7.82
29	4.83	4.97	4.97	4.90	5.14	5.83	5.47	6.56	7.59	7.86	8.01	7.82
30	4.83		4.97	4.86	5.15	5.85	5.33	6.62	7.60	7.86	8.00	7.81
31	4.82		4.98		5.16		5.18	6.67		7.87		7.81

5. E. Alberta Reeves. SE¼NW¼NW¼ sec. 19, T. 21 S., R. 32 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 32 feet. Highest water level 15.30 below lsd, Aug. 14, 1951; lowest 22.54 below lsd, Jan. 28, 1940. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	15.47	Apr. 10	15.64	July 14	16.05	Oct. 14	16.40
Feb. 27	15.56	May 26	15.74	Aug. 25	16.26	Nov. 10	16.42
Mar. 18	15.57	June 11	15.90	Sept. 23	16.36	Dec. 22	16.46

6. T. A. Meakel. NW¼SW¼SW¼ sec. 36, T. 21 S., R. 29 W. Drilled unused water-table well in alluvium, diameter 8 inches, depth 26 feet. Highest water level 11.72 below lsd, Feb. 27, 1952; lowest 20.82 below lsd, June 22, 1946. Records available: 1939-52.

Jan. 24	11.81	Mar. 24	11.75	Sept. 29	12.70	Nov. 26	12.45
Feb. 27	11.72	Aug. 25	12.54	Oct. 28	12.73	Dec. 22	12.38

8. O. G. Reeve. SW¼NE¼SE¼ sec. 13, T. 25 S., R. 33 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 83 feet. Highest water level 72.09 below lsd, Dec. 1, 1952; lowest 75.25 below lsd, June 21, 1940. Records available: 1939-52. Feb. 28, 72.33; May 29, 72.20; Aug. 28, 72.21; Dec. 1, 72.09.

13. Edwin Wehrley. NE¼SE¼SW¼ sec. 13, T. 25 S., R. 31 W. Dug unused water-table well in sand and gravel, diameter 24 inches, depth 5 feet. Highest water level 0.76 above lsd, May 5, 1942; lowest 4.63 below lsd, Sept. 23, 1939. Records available: 1939-52.

Jan. 21	2.58	Apr. 15	2.85	July 28	4.02	Oct. 20	3.85
Feb. 18	2.69	May 21	3.13	Aug. 20	4.12	Nov. 19	3.54
Mar. 10	2.71	June 24	3.34	Sept. 17	4.24	Dec. 17	3.31

23. J. E. Ely. SE¼SW¼SE¼ sec. 4, T. 23 S., R. 32 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 60 feet. Highest water level 37.36 below lsd, Oct. 29, 1951; lowest 45.30 below lsd, Feb. 17, 1940. Records available: 1939-52. Jan. 21, 37.69; Apr. 23, 37.98; July 31, 38.76; Oct. 28, 39.73.

26. Garden City Experiment Station. SW¼NE¼SE¼ sec. 3, T. 24 S., R. 32 W. Drilled unused water-table well in sand and gravel, diameter 26 inches, depth 196 feet. Highest water level 61.59 below lsd, Oct. 21, 1949; lowest 71.60 below lsd, Apr. 24, 1941. Records available: 1934, 1939-52. Jan. 28, 64.87; Apr. 23, 64.27; July 31, 67.09; Oct. 28, 67.40.

1002. U. S. Army. SW¼ sec. 27, T. 24 S., R. 31 W. Drilled industrial water-table well in Ogallala formation, diameter 16 inches, depth 295 feet. Highest water level 111.42 below lsd, Jan. 21, 1952; lowest 123.50 below lsd, Jan. 12, 1949. Records available: 1942-52. Jan. 21, 111.42; Feb. 18, 111.50; Mar. 20, 111.45; Apr. 15, 114.36; May 28, 113.90; June 30, 113.10; Aug. 20, 111.95.

1005. U. S. Army. SW¼ sec. 27, T. 24 S., R. 31 W. Drilled industrial water-table well in Ogallala formation, diameter 16 inches, depth 170 feet. Highest water level 107.38 below lsd, Jan. 17, 1948; lowest 127.45 below lsd, Jan. 12, 1949. Records available: 1942-52. Jan. 21, 113.16; Feb. 18, 115.48; Mar. 20, 115.54; Apr. 15, 116.90; May 28, 114.01. Measurement discontinued.

21-30-5bb. F. T. Carl. Drilled domestic and stock water-table well, diameter 6 inches, depth 44 feet. Highest water level 26.72 below lsd, Jan. 28, 1952; lowest 27.51 below lsd, Aug. 9, 1951. Records available: 1951-52. Jan. 28, 26.72; Apr. 23, 26.81; Oct. 28, 27.11.

Ford County

8. F. H. Diehl. NW¼NW¼ sec. 34, T. 26 S., R. 25 W. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 23 feet. Highest water level 0.86 below lsd, May 13, 1942; lowest 8.17 below lsd, Nov. 7, 1939. Records available: 1938-52. Jan. 21, 5.11; Apr. 15, 5.49; July 28, 6.45; Oct. 20, 7.28.

59. Ward Byers Estate. NE¼NE¼ sec. 21, T. 26 S., R. 26 W. Drilled irrigation water-table well in Ogallala formation, diameter 16 inches, depth 187 feet. Highest water level 13.63 below lsd, Aug. 29, 1950; lowest 26.98 below lsd, Aug. 9, 1946. Records available: 1938-51. No measurement made in 1952.

96. Henry Hattrup. SE¼NE¼ sec. 23, T. 26 S., R. 21 W. Drilled irrigation water-table well in alluvium, diameter 34 inches, depth 29 feet. Highest water level 5.45 below lsd, Apr. 15, 1952; lowest 10.22 below lsd, Sept. 5, 1939. Records available: 1938-52. Jan. 21, 5.97; Apr. 15, 5.45; July 28, 7.33; Oct. 20, 7.71.

1002. Dept. of the Army. Center of SE¼ sec. 12, T. 26 S., R. 26 W. Drilled industrial water-table well in Ogallala formation, diameter 16 inches, depth 262 feet. Highest water level 98.18 below lsd, Jan. 22, 1951; lowest 185.18 below lsd, Nov. 26, 1942. Records available: 1942-49, 1952.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	103.12	Apr. 15	104.43	July 28	103.35	Oct. 20	103.13
Feb. 18	104.05	May 21	103.30	Aug. 20	103.19	Nov. 19	103.71
Mar. 10	102.68	June 24	103.14	Sept. 17	103.49	Dec. 17	103.41

1003. U. S. Army. NE¼NE¼ sec. 13, T. 26 S., R. 26 W. Drilled industrial water-table well in Ogallala formation, diameter 13 inches, depth 255 feet: Highest water level 94.35 below lsd, July 4, 1944; lowest 109.52 below lsd, Aug. 19, 1943. Records available: 1942-52.

Mar. 10	100.37	June 24	100.84	Sept. 17	101.14	Nov. 19	101.18
Apr. 15	100.56	Aug. 20	100.87	Oct. 20	100.93	Dec. 17	101.02

Franklin County

17-19-11da. L. W. Seright. Drilled unused water-table well in Weston shale and Stanton limestone, diameter 6 inches, depth 17 feet. Highest water level 3.61 below lsd, Aug. 2, 1951; lowest 8.72 below lsd, Nov. 26, 1948. Records available: 1948-52. Feb. 21, 5.45.

Grant County

4. Flossie J. Andes. SE¼SE¼ sec. 9, T. 27 S., R. 38 W. Drilled unused water-table well in Ogallala formation, diameter 8 inches, depth 99 feet. Highest water level 84.02 below lsd, Feb. 12, 1952; lowest 87.52 below lsd, May 14, 1941. Records available: 1941-52. Feb. 12, 84.02; July 10, 84.14. Measurement discontinued.

4a. City of Ulysses. SE¼SE¼ sec. 36, T. 28 S., R. 37 W. Drilled observation well in Ogallala formation, diameter 4 inches, depth 158 feet. Highest water level 84.64 below lsd, Dec. 8, 1952; lowest 84.96 below lsd, Aug. 11, 1952. Records available: 1952. Jan. 15, 84.82; Mar. 4, 84.84; Aug. 11, 84.96; Sept. 13, 84.73; Nov. 17, 84.77; Dec. 8, 84.64.

5. C. L. Jury. NE¼SE¼ sec. 4, T. 27 S., R. 37 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 78 feet. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest 69.60 below lsd, Aug. 11, 1952. Records available: 1941-52. Feb. 12, 68.24; May 19, 67.73; Aug. 11, 69.60; Nov. 17, 65.93.

7. Ethel W. Hoffman. SE¼SW¼ sec. 36, T. 28 S., R. 36 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 91 feet. Highest water level 78.29 below lsd, May 19, 1952; lowest 82.76 below lsd, Sept. 25, 1943. Records available: 1941-52. Feb. 21, 78.40; May 19, 78.29; Aug. 11, 78.38; Nov. 17, 78.42.

400. State of Kansas. SE¼NE¼ sec. 6, T. 28 S., R. 38 W. Drilled observation water-table well in Ogallala formation, diameter 12 inches, depth 100 feet. Highest water level 52.78 below lsd, Feb. 28, 1945; lowest 59.16 below lsd, Nov. 6-11, 1952. Records available: 1944-52.

400--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	56.83	57.18	57.30	57.48	57.55	57.93	58.39	58.84	59.09	59.15	.....
2	.....	56.84	57.18	57.34	57.48	57.56	57.94	58.41	58.84	59.09	59.15	.....
3	.....	56.84	57.18	57.36	57.47	57.57	57.96	58.43	58.86	59.10	59.15	.....
4	.....	56.85	57.18	57.38	57.46	57.58	57.98	58.43	58.86	59.12	59.15	.....
5	.....	56.88	57.18	57.41	57.44	57.59	57.99	58.45	58.86	59.12	59.15	.....
6	.....	56.92	57.18	57.43	57.42	57.61	58.01	58.47	58.86	59.13	59.16	.....
7	.....	56.92	57.18	57.46	57.42	57.62	58.03	58.49	58.87	59.13	59.16	.....
8	.....	56.93	57.16	57.48	57.41	57.63	58.03	58.51	58.87	59.13	59.16	58.59
9	.....	56.94	57.15	57.50	57.39	57.65	58.04	58.53	58.87	59.13	59.16	58.56
10	.....	56.94	57.14	57.51	57.39	57.66	58.06	58.54	58.88	59.13	59.16	58.54
11	.....	56.94	57.14	57.51	57.38	57.68	58.06	58.55	58.89	59.13	59.16	58.51
12	.....	56.94	57.13	57.52	57.37	57.69	58.08	58.58	58.89	59.13	59.15	58.50
13	.....	56.94	57.14	57.53	57.36	57.69	58.10	58.60	58.92	59.13	59.15	58.47
14	.....	56.94	57.14	57.53	57.37	57.69	58.12	58.61	58.95	59.11	59.11	58.45
15	.....	56.98	57.15	57.53	57.38	57.69	58.13	58.62	58.96	59.10	.....	58.44
16	.....	56.99	57.15	57.53	57.42	57.70	58.13	58.63	58.96	59.10	.....	58.43
17	56.82	57.01	57.15	57.53	57.45	57.70	58.14	58.65	58.97	59.10	58.99	58.42
18	56.81	57.03	57.17	57.54	57.47	57.70	58.16	58.66	58.99	59.10	59.03	58.40
19	56.80	57.05	57.18	57.54	57.48	57.70	58.17	58.67	58.99	59.12	59.03	58.39
20	56.80	57.07	57.19	57.54	57.48	57.71	58.18	58.68	59.01	59.13	59.03	58.38
21	56.79	57.10	57.19	57.54	57.49	57.73	58.21	58.70	59.02	59.14	59.02	58.35
22	56.79	57.11	57.20	57.53	57.50	57.76	58.23	58.71	59.03	59.14	58.98	58.35
23	56.79	57.14	57.23	57.50	57.51	57.78	58.25	58.73	59.03	59.15	58.97	58.34
24	56.77	57.15	57.22	57.48	57.51	57.81	58.27	58.73	59.03	59.15	58.97	58.33
25	56.77	57.18	57.22	57.47	57.52	57.84	58.28	58.74	59.04	59.15	58.97	58.33
26	56.78	57.19	57.22	57.47	57.52	57.88	58.31	58.76	59.04	59.15	59.00	58.32
27	56.80	57.19	57.24	57.47	57.52	57.89	58.32	58.77	59.05	59.15	.....	58.31
28	56.80	57.19	57.25	57.47	57.52	57.91	58.33	58.78	59.06	59.15	.....	58.31
29	56.81	57.18	57.26	57.47	57.53	57.92	58.35	58.78	59.06	59.15	.....	58.30
30	56.82		57.26	57.48	57.55	57.93	58.36	58.82	59.07	59.15	.....	58.30
31	56.82		57.28		57.55		58.38	58.84		59.15		58.30

27-35-16cb. Craig Howard. Drilled unused water-table well, diameter 6 inches, depth 186 feet. Highest water level 145.00 below lsd, Oct. 9, 1951; lowest 177.61 below lsd, May 19, 1952. Records available: 1941-42, 1951-52. May 19, 177.61; Nov. 17, 174.14.

Gray County

1. G. A. Hard. NW¼SE¼SW¼ sec. 20, T. 25 S., R. 29 W. Drilled unused water-table well in sand and gravel, diameter 5 inches, depth 11 feet. Highest water level 3.41 below lsd, Aug. 29, 1950; lowest 7.56 below lsd, Oct. 8, 1940. Records available: 1939-52. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	5.90	Mar. 10	6.10	May 21	6.32	July 28	6.89
Feb. 18	6.10	Apr. 15	6.27	June 24	6.61	Aug. 20	6.98

3. N. A. Mans. NE¼SW¼NW¼ sec. 7, T. 28 S., R. 27 W. Drilled unused water-table well in Ogallala formation and deposits of Pleistocene age, diameter 6 inches, depth 201 feet. Highest water level 161.48 below lsd, Dec. 10, 1952; lowest 169.33 below lsd, Sept. 21, 1948. Records available: 1939-52. Mar. 19, 161.99; June 9, 162.18; Sept. 3, 161.60; Dec. 10, 161.48.

11. J. D. Wetmore. NE¼NE¼ sec. 35, T. 29 S., R. 28 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 5 inches, depth 61 feet. Highest water level 54.89 below lsd, June 9, 1952; lowest 59.74 below lsd, Aug. 18, 1943. Records available: 1939-52. Mar. 19, 55.30; June 9, 54.89; Sept. 3, 55.56.

Greeley County

16-41-20ba. J. Howell. Drilled stock and observation water-table well in Ogallala formation, diameter 6 inches, depth 153 feet. Highest water level 127.96 below lsd, Jan. 6, 1949; lowest 133.02 below lsd, July 20, 1949. Records available: 1947-52. Jan. 17, 130.17; Mar. 18, 130.22; May 26, 130.30; July 15, 130.07; Sept. 23, 130.16; Nov. 10, 130.07.

17-40-22ccd. R. V. Gibson. Drilled observation water-table well in Ogallala formation, diameter 5 inches, depth 150 feet. Highest water level 136.53 below lsd, June 24, 1948; lowest 146.78 below lsd, Nov. 12, 1948. Records available: 1947-52. Jan. 17, 138.18; Mar. 18, 138.16; May 25, 138.12; July 15, 138.15; Sept. 23, 138.21; Nov. 10, 138.67.

18-41-26aa. Aaron Sell. Drilled domestic and observation water-table well in Ogallala formation, diameter 5 inches, depth 114 feet. Highest water level 100.21 below lsd, Sept. 20, 1948; lowest 102.90 below lsd, June 24, 1948. Records available: 1947-51. Measurement discontinued.

19-43-25aad. M. Hall. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 101 feet. Highest water level 90.70 below lsd, Aug. 7, 1947; lowest 100.69 below lsd, May 24, 1949. Records available: 1947-52. Jan. 17, 90.99; Mar. 18, 90.88; May 26, 90.79; July 15, 90.85; Sept. 23, 90.74; Nov. 10, 90.71.

Hamilton County

2a. Robert Hazlett. NE¼NE¼ sec. 21, T. 23 S., R. 43 W. Drilled well, diameter 40 inches, depth 33 feet. Highest water level 12.04 below lsd, June 29, 1951; lowest 15.95 below lsd, Aug. 19, 1948. Records available: 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	13.55	Apr. 22	13.41	Oct. 3	14.09	Nov. 28	14.19
Feb. 22	13.57	May 23	13.37	23	14.11	Dec. 19	14.30
Mar. 28	13.57	July 25	15.47				

3. B. Rees. SW¼NW¼ sec. 8, T. 24 S., R. 40 W. Dug and drilled unused water-table well in alluvium, diameter 12 inches, depth 25 feet. Highest water level 11.45 below lsd, May 31, 1951; lowest 14.67 below lsd, Nov. 16, 1939. Records available: 1939-52.

Jan. 25	14.29	Apr. 22	14.19	July 25	13.49	Oct. 23	13.83
Feb. 14	14.37	May 28	13.59	Aug. 14	14.05	Nov. 28	12.70
Mar. 28	14.50	June 27	13.74	Sept. 26	14.38	Dec. 19	13.81

6. Belle Heinlen. SW¼SW¼SE¼ sec. 24, T. 24 S., R. 39 W. Drilled unused water-table well in Dakota formation, diameter 5 inches, depth 106 feet. Highest water level 23.70 below lsd, July 27, 1951; lowest 54.44 below lsd, Aug. 1, 1952. Records available: 1939-52.

Jan. 25	49.83	July 11	54.07	Sept. 5	54.18	Nov. 7	54.18
Feb. 14	50.92	18	54.12	12	54.25	14	54.11
Mar. 28	52.09	25	54.32	19	54.27	21	54.17
Apr. 22	52.47	Aug. 1	54.44	26	54.28	30	54.09
May 28	52.99	8	54.41	Oct. 2	54.21	Dec. 5	54.04
June 20	53.83	14	54.38	10	54.20	12	53.96
27	53.93	22	54.41	17	54.16	19	53.81
July 3	54.18	29	54.39	23	54.16	26	53.73

7. I. E. Martin. NW¼SW¼ sec. 16, T. 23 S., R. 40 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 4 inches, depth 61 feet. Highest water level 42.25 below lsd, Dec. 2, 1944; lowest 46.00 below lsd, Nov. 27, 1940. Records available: 1939-52. Feb. 14, 44.09; May 28, 43.90; Aug. 14, 43.86; Nov. 28, 43.77.

Harvey County

325. A. L. Gouldener. SW¼SE¼ sec. 19, T. 23 S., R. 3 W. Drilled observation well in coarse gravel and alluvium, diameter 8 inches, depth 26 feet. Highest water level 5.16 below lsd, May 1, 1945; lowest 12.92 below lsd, Apr. 1, 1938. Records available: 1937-52. Jan. 4, 7.18; Feb. 1, 7.44.

506. W. G. Backhaus. NW¼NE¼ sec. 28, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 6 inches, depth 139 feet. Highest water level 1.71 below lsd, July 16, 1951; lowest 16.67 below lsd, Oct. 4, 1946. Records available: 1938-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.34	13.69	13.86	13.33	13.02	13.82	14.69	15.41	15.82	16.19	15.88	15.96
2	13.34	13.69	13.88	13.34	13.08	13.82	14.76	15.43	15.84	16.19	15.98	15.92
3	13.33	13.66	13.92	13.31	13.07	13.81	14.83	15.47	15.87	16.18	16.04	15.87
4	13.27	13.68	13.99	13.40	12.71	13.79	14.87	15.50	15.91	16.19	16.08	15.88
5	13.31	13.69	14.01	13.43	12.78	13.71	14.91	15.51	15.92	16.18	16.12	15.92
6	13.32	13.74	14.03	13.44	12.90	13.65	14.94	15.51	15.96	16.14	16.19	16.19
7	13.30	13.76	14.04	13.42	13.04	13.98	14.99	15.51	15.99	16.09	16.22	16.19
8	13.27	13.82	13.99	13.49	13.12	.....	15.00	15.50	15.99	16.08	16.29	16.23
9	13.35	13.82	13.78	13.61	13.23	.....	15.01	15.57	15.99	16.13	16.32	16.23
10	13.36	13.81	13.47	13.63	13.23	.....	15.01	15.59	15.97	16.17	16.32	16.21

506--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	13.36	13.81	13.15	13.45	13.10	.....	15.06	15.64	15.95	16.21	16.32	16.15
12	13.28	13.76	12.84	13.31	13.19	.....	15.10	15.67	15.94	16.23	16.31	16.14
13	13.28	13.69	12.83	13.22	13.22	13.98	15.11	15.67	15.94	16.27	16.25	16.12
14	13.33	13.70	12.86	13.05	13.24	14.04	15.11	15.69	15.95	16.31	16.28	16.10
15	13.33	13.70	12.76	12.79	13.29	14.04	15.07	15.73	15.97	16.31	16.31	16.08
16	13.33	13.65	12.77	12.84	13.33	14.04	15.07	15.76	16.01	16.27	16.32	16.09
17	13.34	13.64	12.77	12.94	13.30	14.04	15.09	15.79	16.06	16.22	16.32	16.13
18	13.57	13.62	12.78	13.01	13.30	14.01	15.11	15.81	16.11	16.20	16.33	16.14
19	13.55	13.68	12.78	13.01	13.28	14.06	15.12	15.83	16.14	16.12	16.33	16.14
20	13.57	13.71	12.78	12.96	13.24	14.12	15.13	15.87	16.17	16.09	16.34	16.14
21	13.53	13.72	13.14	12.67	13.30	14.19	15.13	15.91	16.18	16.07	16.37	16.14
22	13.61	13.72	13.18	12.67	13.30	14.25	15.14	15.95	16.19	16.03	16.47	16.13
23	13.63	13.75	13.18	12.58	13.50	14.30	15.14	15.98	16.19	15.99	16.48	16.15
24	13.63	13.77	13.21	12.12	13.56	14.35	15.14	15.98	16.17	15.96	16.48	16.19
25	13.57	13.79	13.28	12.21	13.61	14.41	15.28	15.98	16.15	15.94	16.45	16.23
26	13.65	13.77	13.29	12.37	13.67	14.45	15.30	15.94	16.15	15.92	16.39	16.27
27	13.65	13.73	13.29	12.55	13.68	14.47	15.32	15.92	16.15	15.92	16.35	16.30
28	13.64	13.71	13.42	12.69	13.66	14.50	15.34	15.89	16.17	15.93	16.27	16.27
29	13.62	13.83	13.41	12.80	13.65	14.51	15.35	15.87	16.17	15.90	16.09	16.31
30	13.64		13.36	12.92	13.73	14.59	15.38	15.80	16.17	15.88	15.96	16.34
31	13.64		13.30		13.76		15.39	15.82		15.88		16.35

507. W. G. Backhaus. NW¼NE¼ sec. 28, T. 23 S., R. 2 W. Driven observation water-table well in sand, diameter 1¼ inches, depth 44 feet. Highest water level 3.23 below lsd, May 6, 1944; lowest 15.73 below lsd, Sept. 15, 1947. Records available: 1938-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	10.74	Apr. 1	10.80	July 1	13.55	Sept. 30	14.40
Feb. 1	11.35	May 1	11.69	Aug. 4	14.25	Oct. 31	13.09
29	11.12	June 4	11.22	Sept. 3	13.93	Dec. 3	13.90

736. I. Ansel, Jr. SE¼SW¼SE¼ sec. 12, T. 23 S., R. 3 W. Driven observation and domestic water-table well in dune sand, diameter 1¼ inches, depth 33 feet. Highest water level 3.60 below lsd, July 1, 1952; lowest 12.08 below lsd, June 28, 1950. Records available: 1950-52. Jan. 3, 6.32; Apr. 2, 6.38; July 1, 3.60; Sept. 30, 6.99.

817. City of Wichita. NW¼NW¼ sec. 1, T. 24 S., R. 2 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 31 feet. Highest water level 1.88 below lsd, Aug. 1, 1951; lowest 17.12 below lsd, Oct. 25, 1940. Records available: 1938-52.

Jan. 3	11.74	Apr. 1	12.76	July 1	13.26	Sept. 30	15.20
31	12.47	May 1	12.92	Aug. 4	14.05	Oct. 31	15.74
Feb. 29	13.12	June 4	12.85	Sept. 3	14.68	Dec. 3	16.05

821. City of Wichita. NW¼NW¼ sec. 6, T. 24 S., R. 2 W. Driven observation water-table well in coarse sand and gravel, diameter 1¼ inches, depth 24 feet. Highest water level 12.03 below lsd, Aug. 21, 1939; lowest 26.56 below lsd, Oct. 21, 1949. Records available: 1938-52.

Jan. 3	22.65	Mar. 31	22.60	July 1	23.07	Sept. 30	24.11
Feb. 1	22.79	May 2	22.59	Aug. 4	23.47	Oct. 31	24.20
29	22.43	June 4	23.02	Sept. 3	23.65	Dec. 3	24.15

824. City of Wichita. SE¼SE¼ sec. 22, T. 24 S., R. 1 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 42 feet. Highest water level 3.60 below lsd, June 1, 1951; lowest 18.16 below lsd, Nov. 5, 1940. Records available: 1938-52.

Jan. 3	7.52	May 1	7.46	Aug. 4	10.90	Oct. 31	12.64
Feb. 1	8.05	June 4	8.34	Sept. 3	11.77	Dec. 3	13.65
Apr. 1	7.15	July 1	9.69	30	12.27		

833. T. B. Burrows. SW¼SW¼ sec. 19, T. 24 S., R. 1 W. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 57 feet. Highest water level 5.11 below lsd, Oct. 2, 1945; lowest 15.79 below lsd, May 27, 1947. Records available: 1938-52.

Jan. 3	10.97	Apr. 1	11.80	July 7	13.25	Sept. 30	14.72
31	11.48	May 1	12.20	Aug. 4	13.95	Oct. 31	15.11
Feb. 29	12.03	June 4	12.73	Sept. 3	14.40	Dec. 3	15.47

839. City of Wichita. NE¼NE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand, diameter 1¼ inches, depth 27 feet. Highest water level 10.62 below lsd, Aug. 21, 1939; lowest 22.62 below lsd, Dec. 3, 1952. Records available: 1938-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	18.09	Apr. 1	19.41	July 2	20.59	Sept. 30	22.00
Feb. 1	18.72	May 1	19.53	Aug. 4	21.24	Oct. 31	22.45
29	19.20	June 4	20.04	Sept. 3	21.74	Dec. 3	22.62

853. City of Wichita. NW¼NW¼ sec. 13, T. 24 S., R. 2 W. Drilled observation water-table well in medium sand, diameter 1¼ inches, depth 37 feet. Highest water level 5.82 below lsd, Oct. 2, 1951; lowest 12.35 below lsd, Dec. 3, 1952. Records available: 1938-52.

Jan. 3	8.72	Apr. 1	9.02	July 1	10.23	Sept. 30	11.84
31	9.12	May 1	9.20	Aug. 4	10.88	Oct. 31	12.15
Feb. 29	9.49	June 4	9.56	Sept. 3	11.43	Dec. 3	12.35

854. City of Wichita. SW¼SW¼ sec. 23, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 32 feet. Highest water level 5.13 below lsd, Aug. 1, 1951; lowest 14.87 below lsd, Nov. 1, 1940. Records available: 1938-52.

Jan. 3	7.55	Apr. 1	7.58	July 1	9.02	Sept. 30	11.41
Feb. 1	7.96	May 1	6.90	Aug. 4	10.12	Oct. 31	11.58
29	8.29	June 4	8.00	Sept. 3	10.86	Dec. 3	11.63

872. D. C. Buller. SE¼SE¼ sec. 31, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 31 feet. Highest water level 17.65 below lsd, Mar. 11, 1939; lowest 35.37 below lsd, Oct. 2, 1951. Records available: 1938-52.

Jan. 3	32.34	Mar. 31	31.64	July 2	31.63	Sept. 30	32.18
Feb. 1	31.85	May 2	31.55	Aug. 4	31.78	Oct. 31	32.29
29	31.75	June 4	31.55	Sept. 3	31.99	Dec. 3	32.30

875. A. B. Havely. SE¼SE¼ sec. 17, T. 23 S., R. 3 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 13 feet. Highest water level 0.14 above lsd, May 1, 1952; lowest 6.19 below lsd, Jan. 12, 1950. Records available: 1939-52.

Jan. 4	-0.73	Mar. 31	-0.11	July 1	-2.30	Sept. 30	-5.22
Feb. 1	-.82	May 1	+.14	Aug. 4	-3.90	Oct. 31	-4.95
29	-.73	June 4	-.56	Sept. 3	-4.61	Dec. 3	-4.73

876. A. B. Havely. SE¼SE¼ sec. 17, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 246 feet. Highest water level 21.55 below lsd, Sept. 7, 1951; lowest 27.83 below lsd, Nov. 8, 1940. Records available: 1939-52.

Jan. 4	22.36	Mar. 31	22.63	July 1	23.28	Sept. 30	25.45
Feb. 1	22.69	May 1	22.60	Aug. 4	24.12	Oct. 31	25.64
29	22.76	June 4	22.88	Sept. 3	24.97	Dec. 3	25.83

877. A. B. Havely. SE¼SE¼ sec. 17, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 6 inches, depth 47 feet. Highest water level 9.95 below lsd, May 6, 1945; lowest 14.95 below lsd, Jan. 27, 28, 1941. Records available: 1939-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.15	11.28	11.44	11.22	11.01	11.05	11.66	12.25	12.79	13.23	13.43	13.62
2	11.19	11.28	11.34	11,22	11.01	11.05	11.67	12.25	12.80	13.23	13.43	13.62
3	11.19	11.27	11.33	11.22	11.01	11.05	11.67	12.28	12.79	13.23	13.47	13.64
4	11.13	11.29	11.44	11.23	11.01	11.05	11.69	12.32	12.79	13.23	13.46	13.68
5	11.18	11.32	11.48	11.26	11.03	11.07	11.69	12.33	12.80	13.26	13.46	13.68
6	11.18	11.34	11.50	11.26	11.02	11.07	11.70	12.35	12.82	13.26	13.47	13.67
7	11.14	11.34	11.48	11.26	11.04	11.07	11.76	12.35	12.82	13.26	13.47	13.66
8	11.19	11.34	11.42	11.25	11.04	11.11	11.76	12.38	12.83	13.26	13.47	13.68
9	11.22	11.34	11.32	11.28	11.05	11.13	11.76	12.38	12.84	13.26	13.47	13.70
10	11.19	11.33	11.21	11.28	11.07	11.15	11.78	12.38	12.85	13.26	13.48	13.71
11	11.19	11.34	11.21	11.27	11.07	11.16	11.80	12.43	12.85	13.26	13.49	13.72
12	11.17	11.32	11.17	11.21	11.03	11.18	11.81	12.43	12.87	13.26	13.49	13.73
13	11.16	11.29	11.20	11.23	11.03	11.23	11.84	12.44	12.87	13.29	13.49	13.73
14	11.15	11.35	11.22	11.23	.....	11.26	11.85	12.44	12.88	13.30	13.49	13.74
15	11.16	11.36	11.24	11.23	.....	11.28	11.85	12.46	12.88	13.30	13.49	13.74
16	11.15	11.35	11.23	11.23	.....	.....	11.85	12.50	12.88	13.32	13.49	13.74
17	11.20	11.35	11.15	11.20	11.05	.....	11.86	12.52	12.88	13.33	13.51	13.75
18	11.20	11.32	11.12	11.18	11.05	.....	11.87	12.53	12.89	13.33	13.55	13.75
19	11.21	11.38	11.12	11.15	11.05	.....	11.87	12.53	12.89	13.33	13.55	13.74
20	11.21	11.41	11.12	11.15	11.03	.....	11.88	12.56	12.98	13.34	13.55	13.75

877--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	11.18	11.41	11.15	11.13	11.00	.....	11.95	12.59	12.99	13.34	13.56	13.75
22	11.28	11.40	11.18	11.08	10.98	11.39	.....	12.61	13.00	13.34	13.58	13.74
23	11.30	11.40	11.18	11.08	10.99	11.39	.....	12.61	13.00	13.34	13.58	13.76
24	11.29	11.41	11.17	11.08	10.98	11.39	.....	12.62	13.02	13.34	13.58	13.77
25	11.19	11.44	11.18	11.06	10.99	11.39	12.10	12.63	13.04	13.34	13.54	13.77
26	11.26	11.44	11.19	11.06	10.98	11.39	12.11	12.66	13.05	13.38	13.52	13.77
27	11.29	11.40	11.19	11.01	10.99	11.39	12.12	12.69	13.05	13.39	13.53	13.79
28	11.30	11.34	11.19	11.00	10.99	11.39	12.14	12.69	13.08	13.39	13.57	13.79
29	11.30	11.39	11.18	11.00	10.99	11.39	12.16	12.69	13.17	13.39	13.57	13.79
30	11.30		11.16	10.99	10.99	11.39	12.19	12.70	13.17	13.44	13.57	13.80
31	11.28		11.19		10.99		.....	12.78		13.44		13.82

878. C. Cadwell. SE¼SE¼ sec. 1, T. 24 S., R. 3 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 45 feet. Highest water level 16.25 below lsd, June 3, 1940; lowest 34.55 below lsd, Nov. 7, 1951. Records available: 1938-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	30.58	Apr. 1	30.57	July 1	31.08	Sept. 30	32.44
Feb. 1	30.59	May 2	30.44	Aug. 4	31.39	Oct. 31	32.36
29	30.60	June 4	31.03	Sept. 3	31.88	Dec. 3	32.37

879. C. Cadwell. SE¼SE¼ sec. 1, T. 24 S., R. 3 W. Drilled observation water-table well in sand, diameter 1¼ inches, depth 241 feet. Highest water level 17.52 below lsd, May 27, June 3, 1940; lowest 31.07 below lsd, May 3, 1951. Records available: 1938-52.

Jan. 3	27.44	Apr. 1	27.27	July 1	27.44	Sept. 30	28.10
Feb. 1	27.35	May 2	22.25	Aug. 4	27.70	Oct. 31	28.37
29	27.33	June 4	27.27	Sept. 3	27.93	Dec. 3	28.55

880. Peter Miller. SE¼SE¼ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 15 feet. Highest water level 2.56 below lsd, Sept. 30, 1945; lowest 9.37 below lsd, Dec. 3, 1952. Records available: 1938-52.

Jan. 3	6.95	Apr. 1	7.00	July 1	7.75	Sept. 30	9.00
Feb. 1	7.14	May 2	6.98	Aug. 4	8.27	Oct. 31	9.19
29	7.27	June 4	7.29	Sept. 3	8.66	Dec. 3	9.37

881. Peter Miller. SE¼SE¼ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 57 feet. Highest water level 3.23 below lsd, Sept. 30, 1945; lowest 9.10 below lsd, Dec. 3, 1952. Records available: 1938-52.

Jan. 3	6.58	Apr. 1	6.63	July 1	7.41	Sept. 30	8.73
Feb. 1	6.79	May 2	6.62	Aug. 4	7.95	Oct. 31	8.92
29	6.94	June 4	6.94	Sept. 3	8.37	Dec. 3	9.10

883. Maggie Holle. NW¼NW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 38 feet. Highest water level 13.35 below lsd, Aug. 21, 1939; lowest 27.38 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 3	23.84	Apr. 1	23.29	June 30	25.20	Sept. 30	25.92
31	24.23	May 1	24.49	Aug. 4	26.23	Oct. 31	27.38
Feb. 29	23.25	June 4	25.48	Sept. 3	26.67	Dec. 3	26.44

884. Maggie Holle. NW¼NW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 60 feet. Highest water level 13.34 below lsd, Aug. 21, 1939; lowest 27.45 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 3	23.90	Apr. 1	23.37	June 30	25.76	Sept. 30	26.32
31	24.28	May 1	24.32	Aug. 4	26.22	Oct. 31	27.45
Feb. 29	23.28	June 4	25.54	Sept. 3	26.63	Dec. 3	25.43

885. Maggie Holle. NW¼NW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 99 feet. Highest water level 13.22 below lsd, Aug. 21, 1939; lowest 28.54 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 3	25.16	Apr. 1	23.43	June 30	26.73	Sept. 30	26.89
31	25.51	May 1	25.34	Aug. 4	27.33	Oct. 31	28.54
Feb. 29	23.80	June 4	26.81	Sept. 3	27.70	Dec. 3	26.82

886. F. H. Haiber. NE¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 57 feet. Highest water level 2.34 below lsd, Aug. 21, 1939; lowest 24.73 below lsd, Dec. 3, 1952. Records available: 1939-52.

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Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	18.83	Apr. 1	19.94	July 2	22.33	Sept. 30	23.40
25	18.11	25	19.18	26	22.44	Oct. 25	23.07
31	18.46	May 1	20.60	Aug. 4	22.93	31	23.49
Feb. 25	17.53	26	19.54	25	22.92	Dec. 2	23.45
29	17.55	June 4	19.45	Sept. 3	22.63	3	24.73
Mar. 26	17.84	25	21.12	26	23.42	26	21.52

887. F. H. Haiber. NE¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 111 feet. Highest water level 2.72 below lsd, May 27, 1940; lowest 25.24 below lsd, Nov. 7, 1951. Records available: 1939-52.

Jan. 3	19.97	Apr. 1	21.32	July 2	24.05	Sept. 30	25.00
31	19.56	May 1	22.14	Aug. 4	24.58	Oct. 31	24.73
Feb. 29	18.49	June 4	20.28	Sept. 3	23.98	Dec. 3	23.39

888. C. K. Ellis. NW¼NW¼ sec. 17, T. 23 S., R. 2 W. Drilled observation water-table well in medium sand, diameter 1¼ inches, depth 12 feet. Highest water level 0.35 above lsd, Nov. 7, 1951; lowest 8.95 below lsd, Oct. 27, 1939. Records available: 1939-52.

Jan. 3	-0.29	Apr. 1	+0.20	July 1	-4.41	Sept. 30	-8.30
Feb. 2	+.05	May 1	-.10	Aug. 4	-6.50	Oct. 31	-8.27
29	+.07	June 4	-1.40	Sept. 3	-7.60	Dec. 3	-8.33

889. C. K. Ellis. NW¼NW¼ sec. 17, T. 23 S., R. 2 W. Drilled observation water-table well in medium sand, diameter 1¼ inches, depth 151 feet. Highest water level 0.62 below lsd, Aug. 1, 1951; lowest 9.04 below lsd, June 29, 1950. Records available: 1939-52.

Jan. 3	4.00	Apr. 1	4.52	July 1	5.98	Sept. 30	8.90
Feb. 2	4.17	May 1	3.84	Aug. 4	7.38	Oct. 31	8.50
29	4.48	June 4	4.54	Sept. 3	7.95	Dec. 3	8.73

890. J. F. Jorgenson. NE¼SE¼SE¼ sec. 21, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 14 feet. Highest water level 0.10 below lsd, May 2, 1945; lowest 7.07 below lsd, Nov. 5, 1940. Records available: 1939-52.

Jan. 4	2.24	May 1	2.45	Aug. 1	5.28	Oct. 30	6.36
Feb. 1	2.51	June 3	3.25	Sept. 4	6.00	Dec. 4	6.39
29	2.68	July 3	4.35	Oct. 1	6.32	30	6.43
Apr. 2	2.23						

891. Arthur McMurry. SE¼SE¼ sec. 31, T. 24 S., R. 3 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 7 feet. Highest water level 0.46 below lsd, May 11, 1942; lowest 4.77 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 4	2.51	May 1	2.78	Aug. 1	4.41	Oct. 30	4.47
Feb. 1	2.91	June 3	3.26	Sept. 4	4.67	Dec. 4	4.15
29	3.08	July 2	3.92	Oct. 1	4.77	30	4.00
Apr. 2	2.81						

892. Arthur McMurry. SE¼SE¼ sec. 31, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 106 feet. Highest water level 0.09 below lsd, Sept. 7, 1951; lowest 3.96 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 4	1.83	May 1	1.88	Aug. 1	3.59	Oct. 30	3.65
Feb. 1	2.13	June 3	2.43	Sept. 4	3.85	Dec. 4	3.39
29	2.13	July 2	3.12	Oct. 1	3.96	30	3.21
Apr. 2	1.95						

893. Arthur McMurry. SE¼SE¼ sec. 31, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 163 feet. Highest water level 0.48 above lsd, July 9, 1951; lowest 3.77 below lsd, Nov. 5, 1940. Records available: 1939-52.

Jan. 4	1.57	May 1	1.54	Aug. 1	2.69	Oct. 30	3.52
Feb. 1	1.60	June 3	1.77	Sept. 4	3.53	Dec. 4	3.29
29	1.70	July 2	2.22	Oct. 1	3.70	30	2.99
Apr. 2	1.49						

894. H. A. Lawrence. NE¼NE¼ sec. 18, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 59 feet. Highest water level 9.56 below lsd, May 27, 1940; lowest 26.01 below lsd, Dec. 3, 1952. Records available: 1938-52.

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Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	24.16	Apr. 1	24.12	July 2	24.26	Sept. 30	25.40
Feb. 1	24.19	May 1	24.04	Aug. 4	24.62	Oct. 31	25.75
29	24.25	June 4	24.13	Sept. 3	25.01	Dec. 3	26.01

1053-B. J. H. Workentine. SW¼NE¼NW¼ sec. 16, T. 23 S., R. 3 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches. Highest water level 6.67 below lsd, July 9, 1951; lowest 13.45 below lsd, Sept. 30, 1952. Records available: 1950-52. Jan. 4, 7.76; Mar. 31, 7.47; July 2, 8.25; Sept. 30, 13.45.

1173. City of Wichita. NE¼NE¼ sec. 29, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 26 feet. Highest water level 10.64 below lsd, July 9, 1951; lowest 16.53 below lsd, Apr. 3, 1951. Records available: 1950-52. Jan. 3, 12.95; Apr. 1, 13.64; June 30, 14.58; Sept. 30, 16.42.

1175. City of Wichita. SE¼SE¼ sec. 30, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 32 feet. Highest water level 3.80 below lsd, July 9, 1951; lowest 12.15 below lsd, Sept. 30, 1952. Records available: 1950-52. Jan. 3, 7.94; Apr. 1, 8.83; July 2, 10.64; Sept. 30, 12.15.

1179. City of Wichita. SE¼NW¼SE¼ sec. 33, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 32 feet. Highest water level 8.25 below lsd, Oct. 2, 1951; lowest 17.04 below lsd, Apr. 17, 1950. Records available: 1950-52. Jan. 3, 10.25; Apr. 1, 11.48; July 2, 12.28; Sept. 30, 13.10.

1186. City of Wichita. SW¼SW¼ sec. 13, T. 24 S., R. 2 W. Driven observation water-table well in sand, gravel, and alluvium, diameter 1¼ inches, depth 21 feet. Highest water level 5.25 below lsd, Sept. 7, 1951; lowest 14.21 below lsd, Dec. 3, 1952. Records available: 1941-52.

Jan. 3	11.71	Apr. 1	12.08	July 1	12.95	Sept. 30	13.83
31	11.93	May 1	12.14	Aug. 4	13.34	Oct. 31	14.07
Feb. 29	12.27	June 4	12.50	Sept. 3	13.63	Dec. 3	14.21

1187. City of Wichita. NW¼NW¼ sec. 29, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 39 feet. Highest water level 2.30 below lsd, July 9, 1951; lowest 10.75 below lsd, Dec. 3, 1952. Records available: 1941-52.

Jan. 3	6.68	Apr. 1	6.94	July 1	8.73	Sept. 30	10.47
31	7.23	May 1	7.19	Aug. 4	9.49	Oct. 31	10.74
Feb. 29	7.72	June 4	7.89	Sept. 3	10.06	Dec. 3	10.75

1189. City of Wichita. SW¼SW¼ sec. 16, T. 24 S., R. 2 W. Driven observation water-table well in sand, gravel, and alluvium, diameter 1¼ inches, depth 21 feet. Highest water level 6.50 below lsd, Apr. 26, 1942; lowest 18.18 below lsd, Sept. 30, 1952. Records available: 1941-46, 1949-52. Jan. 3, 15.17; Apr. 1, 14.77; June 30, 16.15; Sept. 30, 18.18.

1190. City of Wichita. SE¼SE¼ sec. 10, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 27 feet. Highest water level 14.14 below lsd, July 9, 1951; lowest 21.02 below lsd, Dec. 3, 1952. Records available: 1950-52.

Jan. 3	17.53	Apr. 1	18.50	July 2	19.36	Sept. 30	20.46
31	17.97	May 1	18.77	Aug. 4	19.65	Oct. 31	20.72
Feb. 29	18.34	June 4	18.99	Sept. 3	20.12	Dec. 3	21.02

1191. City of Wichita. SW¼ sec. 27, T. 23 S., R. 2 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 27 feet. Highest water level 10.09 below lsd, Oct. 4, 1950; lowest 14.58 below lsd, Sept. 30, 1952. Records available: 1950-52. Jan. 3, 11.42; Apr. 1, 11.47; July 2, 13.02; Sept. 30, 14.58.

1193. J. W. McElwain. SE¼NE¼NE¼ sec. 24, T. 23 S., R. 3 W. Driven stock and observation water-table well in sand, diameter 1¼ inches, depth 23 feet. Highest water level 2.64 below lsd, Apr. 1, 1952; lowest 11.68 below lsd, June 28, 1950. Records available: 1950-52. Apr. 1, 2.64; July 1, 4.29; Sept. 30, 7.33.

2072. Peter Hoops and others. NE¼NW¼ sec. 5, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 3 inches, depth 46 feet. Highest water level 27.09 below lsd, May 5, 1947; lowest 37.39 below lsd, July 2, 1952. Records available: 1941-52.

Jan. 3	36.68	Mar. 31	36.83	July 2	37.39	Sept. 30	37.14
Feb. 2	36.72	May 1	36.90	Aug. 4	37.12	Oct. 31	37.14
29	36.78	June 4	36.96	Sept. 4	37.07	Dec. 3	37.18

2084. Mrs. Emma Linn Webster. SE¼ sec. 15, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 6 inches, depth 30 feet. Highest water level 2.79 below lsd, Oct. 2, 1951; lowest 18.60 below lsd, Oct. 31, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	8.94	May 1	15.45	Aug. 4	16.40	Oct. 31	18.60
Feb. 29	9.39	June 4	15.58	Sept. 3	16.87	Dec. 3	17.92
Apr. 1	15.25	July 2	15.89	30	17.25		

2088. City of Wichita. NW¼NW¼NW¼ sec. 22, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 18 feet. Highest water level 3.90 below lsd, Apr. 28, 1944; lowest 14.74 below lsd, Sept. 30, 1952. Records available: 1944-46, 1949-52. Jan. 3, 11.04; Apr. 1, 12.05; Sept. 30, 14.74.

3001. City of Wichita. SW¼SW¼ sec. 30, T. 23 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches. Highest water level 21.13 below lsd, Feb. 29, 1952; lowest 24.62 below lsd, Sept. 30, 1952. Records available: 1951-52.

Jan. 3	22.83	May 1	22.54	Aug. 4	23.56	Oct. 31	24.33
Feb. 29	21.13	June 4	23.00	Sept. 3	23.50	Dec. 3	24.25
Mar. 31	22.51	July 1	23.19	30	24.62		

3002. City of Wichita. SW¼SW¼SE¼ sec. 30, T. 24 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 20 feet. Highest water level 0.82 above lsd, July 9, 1951; lowest 5.14 below lsd, Oct. 31, 1952. Records available: 1950-52.

Jan. 4	0.67	May 1	1.36	Aug. 4	3.67	Sept. 30	4.84
Feb. 29	1.58	June 4	1.80	Sept. 3	4.33	Oct. 31	5.14
Apr. 1	1.08	July 2	2.70				

3003. City of Wichita. SW¼SE¼SE¼ sec. 32, T. 24 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 20 feet. Highest water level 0.67 below lsd, July 9, 1951; lowest 6.02 below lsd, Sept. 30, 1950. Records available: 1950-52. Jan. 4, 2.66; Apr. 1, 2.49; June 30, 4.10; Sept. 30, 6.02.

3005. Sally McFarland and others. SE¼SW¼ sec. 28, T. 23 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches. Highest water level 41.32 below lsd, Jan. 3, 1952; lowest 47.04 below lsd, July 2, 1952. Records available: 1951-52.

Jan. 3	41.32	Apr. 1	43.87	July 2	47.04	Sept. 30	45.54
31	42.18	May 1	44.69	Aug. 4	46.63	Oct. 31	42.74
Feb. 29	42.52	June 4	41.62	Sept. 3	45.75	Dec. 3	45.37

3031. City of Wichita. NE¼ sec. 24, T. 24 S., R. 3 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches. Highest water level 9.82 below lsd, Oct. 2, 1951; lowest 14.28 below lsd, Dec. 3, 1952. Records available: 1950-52.

Jan. 3	11.20	Apr. 1	11.54	July 2	12.21	Sept. 30	13.55
Feb. 1	11.48	May 2	11.63	Aug. 4	12.75	Oct. 31	13.95
29	11.75	June 4	11.76	Sept. 3	13.19	Dec. 3	14.28

3032. City of Wichita. SW¼ sec. 24, T. 24 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 24 feet. Highest water level 13.03 below lsd, Nov. 7, 1951; lowest 17.80 below lsd, Dec. 3, 1952. Records available: 1950-52.

Jan. 3	13.89	Apr. 1	15.09	July 1	15.92	Sept. 30	16.96
31	14.39	May 1	15.12	Aug. 4	16.37	Oct. 31	17.47
Feb. 29	14.70	June 4	15.59	Sept. 3	16.77	Dec. 3	17.80

3033. City of Wichita. SW¼ sec. 2, T. 24 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 45 feet. Highest water level 13.77 below lsd, Aug. 1, 1951; lowest 19.38 below lsd, Dec. 3, 1952. Records available: 1950-52.

Jan. 3	15.14	Apr. 1	16.06	July 2	17.54	Sept. 30	18.84
31	16.13	May 1	16.04	Aug. 4	18.09	Oct. 31	18.69
Feb. 29	15.93	June 4	16.27	Sept. 3	18.51	Dec. 3	19.38

3035. City of Wichita. SE¼SE¼ sec. 34, T. 23 S., R. 3 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 28 feet. Highest water level 8.16 below lsd, Nov. 1, 1950; lowest 13.19 below lsd, Oct. 4, 1950. Records available: 1950-52. Jan. 3, 12.43; Mar. 31, 12.48; July 1, 12.46; Sept. 30, 12.64.

3036. City of Wichita. SE¼SW¼SE¼ sec. 23, T. 23 S., R. 3 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 40 feet. Highest water level 13.63 below lsd, Jan. 3, 1952; lowest 19.67 below lsd, Apr. 3, 1951. Records available: 1950-52.

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Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	13.63	Mar. 31	16.36	July 1	16.87	Sept. 30	18.30
Feb. 1	16.13	May 1	16.14	Aug. 4	17.40	Oct. 31	18.56
29	16.31	June 4	16.43	Sept. 4	17.87	Dec. 3	18.82

3037. City of Wichita. NE¼NW¼NE¼ sec. 5, T. 24 S., R. 2 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 70 feet. Highest water level 38.38 below lsd, Jan. 2, 1951; lowest 45.50 below lsd, Sept. 30, 1952. Records available: 1950-52.

Jan. 3	41.93	Mar. 31	40.26	July 2	43.87	Sept. 30	45.50
Feb. 1	42.23	May 1	42.70	Aug. 4	44.19	Oct. 31	42.70
29	40.29	June 4	42.32	Sept. 4	43.35	Dec. 3	43.13

3038. Sally McFarland and others. SE¼SW¼SW¼ sec. 33, T. 23 S., R. 2 W. Drilled observation water-table well in McPherson formation, diameter 1½ inches, depth 70 feet. Highest water level 36.04 below lsd, Jan. 3, 1951; lowest 43.00 below lsd, Sept. 30, 1952. Records available: 1950-52. Jan. 3, 38.60; Apr. 1, 39.05; July 2, 42.88; Sept. 30, 43.00.

3039. George Lehman. SW¼SE¼ sec. 34, T. 23 S., R. 2 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 30 feet. Highest water level 0.1 above lsd, Sept. 7, 1951; lowest 17.52 below lsd, May 4, 1950. Records available: 1950-52.

Jan. 3	1.75	Apr. 1	3.04	July 2	4.07	Sept. 30	5.40
31	2.17	May 1	3.36	Aug. 4	4.54	Oct. 31	5.78
Feb. 29	2.64	June 4	3.76	Sept. 3	5.00	Dec. 3	6.20

M-1. City of Wichita. NW¼NW¼ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 222 feet. Highest water level 18.56 below lsd, Apr. 13, 1939; lowest 104.5 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	92.0	Apr. 30	101.0	Aug. 2	104.0	Oct. 31	104.5
31	32.0	June 4	102.0	Sept. 3	101.0	Dec. 2	104.0
Feb. 29	102.0	30	104.0	Oct. 1	103.0	31	39.0
Mar. 31	103.0						

M-1a. City of Wichita. NW¼NW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 71 feet. Highest water level 17.47 below lsd, June 3, 1940; lowest 42.36 below lsd, June 30, 1950. Records available: 1939-52.

Jan. 2	28.75	Apr. 30	36.94	Aug. 2	38.52	Oct. 31	38.97
31	27.71	June 4	36.44	Sept. 3	35.74	Dec. 2	39.77
Feb. 29	35.36	30	38.72	Oct. 1	40.52	31	33.17
Mar. 31	37.45						

M-1b. City of Wichita. NW¼NW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 15.94 below lsd, June 3, 1940; lowest 39.80 below lsd, June 30, 1950. Records available: 1939-52.

Jan. 2	26.99	Apr. 30	34.66	Aug. 2	36.15	Oct. 31	36.65
31	26.68	June 4	34.00	Sept. 3	33.54	Dec. 2	37.37
Feb. 29	33.93	30	36.48	Oct. 1	38.25	31	32.09
Mar. 31	34.87						

M-2. City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 234 feet. Highest water level 18.33 below lsd, May 4, 1939; lowest 155.00 below lsd, Sept. 2, 1949. Records available: 1939-52.

Jan. 2	42.5	Apr. 30	111.0	Aug. 2	45.0	Oct. 31	44.5
31	105.0	June 4	108.0	Sept. 3	43.0	Dec. 2	122.0
Feb. 29	43.0	30	116.0	Oct. 1	47.5	31	132.0
Mar. 31	40.0						

M-2a. City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 67 feet. Highest water level 17.84 below lsd, June 3, 1940; lowest 41.44 below lsd, June 30, 1950. Records available: 1939-52.

Jan. 2	34.26	Apr. 30	37.94	Aug. 2	37.84	Oct. 31	38.43
31	32.42	June 4	35.88	Sept. 3	35.22	Dec. 2	39.82
Feb. 29	35.23	30	39.43	Oct. 1	40.85	31	37.17
Mar. 31	35.94						

M-2b. City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 20.25 below lsd, May 27, 1940; lowest 45.02 below lsd, Feb. 5, 1950. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	38.28	Apr. 30	39.16	Aug. 2	39.34	Oct. 31	41.38
31	37.23	June 4	38.18	Sept. 3	37.34	Dec. 2	39.55
Feb. 29	36.39	30	42.52	Oct. 1	42.89	31	40.70
Mar. 31	36.47						

M-2c. City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W. Driven and drilled observation water-table well in McPherson formation, diameter 1¼ inches. Highest water level 29.35 below lsd, Feb. 28, 1951; lowest 41.32 below lsd, June 30, 1950. Records available: 1946-52.

Jan. 2	33.39	Apr. 30	32.70	Aug. 2	37.73	Oct. 31	36.53
31	32.39	June 4	36.20	Sept. 3	37.53	Dec. 2	37.14
Feb. 29	33.92	30	36.78	Oct. 1	40.06	31	36.87
Mar. 31	36.90						

M-3. City of Wichita. SE¼SE¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 238 feet. Highest water level 23.20 below lsd, May 8, 1939; lowest 113.0 below lsd, Dec. 31, 1952. Records available: 1939-52.

Jan. 2	43.0	Apr. 30	97.0	Aug. 2	101.0	Oct. 31	42.5
31	43.5	June 4	42.0	Sept. 3	101.0	Dec. 2	42.0
Feb. 29	95.5	30	101.0	Oct. 1	47.0	31	113.0
Mar. 31	40.0						

M-3a. City of Wichita. SE¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 66 feet. Highest water level 19.93 below lsd, May 27, 1940; lowest 48.07 below lsd, Oct. 1, 1951. Records available: 1939-52.

Jan. 2	40.38	Apr. 30	43.21	Aug. 2	42.90	Oct. 31	39.72
31	39.93	June 4	38.80	Sept. 3	42.36	Dec. 2	38.45
Feb. 29	40.54	30	46.11	Oct. 1	44.77	31	46.34
Mar. 31	35.97						

M-3b. City of Wichita. SE¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 97 feet. Highest water level 23.13 below lsd, May 27, 1940; lowest 52.42 below lsd, Oct. 1, 1951. Records available: 1939-52.

Jan. 2	44.85	Apr. 30	46.82	Aug. 2	47.26	Oct. 31	43.44
31	44.15	June 4	42.76	Sept. 3	45.83	Dec. 2	41.89
Feb. 29	44.05	30	49.92	Oct. 1	48.90	31	49.77
Mar. 31	39.43						

M-4. City of Wichita. SE¼SE¼ sec. 30, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 234 feet. Highest water level 23.12 below lsd, May 27, 1940; lowest 94.63 below lsd, July 10, 1947. Records available: 1939-52.

Jan. 2	88.5	Apr. 30	46.0	Aug. 2	45.0	Oct. 31	89.0
31	46.4	June 4	45.0	Sept. 3	43.0	Dec. 2	86.0
Feb. 29	41.5	30	50.0	Oct. 1	92.0	31	48.0
Mar. 31	41.0						

M-4a. City of Wichita. SE¼SE¼ sec. 30, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 22.87 below lsd, May 27, 1940; lowest 51.93 below lsd, Oct. 3, 1948. Records available: 1939-52.

Jan. 2	45.55	Apr. 30	42.34	Aug. 2	42.29	Oct. 31	45.53
31	42.76	June 4	41.87	Sept. 3	40.62	Dec. 2	43.17
Feb. 29	39.13	30	46.62	Oct. 1	50.20	31	44.83
Mar. 31	38.84						

M-4b. City of Wichita. SE¼SE¼ sec. 30, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 23.91 below lsd, May 27, 1940; lowest 49.56 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	45.22	Apr. 30	42.55	Aug. 2	42.60	Oct. 31	45.45
31	42.83	June 4	42.07	Sept. 3	40.97	Dec. 2	41.80
Feb. 29	39.53	30	46.48	Oct. 1	49.56	31	44.94
Mar. 31	39.29						

M-5. City of Wichita. NW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 237 feet. Highest water level 20.33 below lsd, May 16, 1939; lowest 132.5 below lsd, Aug. 1, 1950. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	116.0	Apr. 30	44.0	Aug. 2	44.0	Oct. 31	37.0
31	118.0	June 2	119.0	Sept. 3	39.0	Dec. 2	39.0
Feb. 29	36.5	30	47.0	Oct. 1	122.0	31	37.9
Mar. 31	116.0						

M-5a. City of Wichita. NW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 71 feet. Highest water level 17.79 below lsd, June 3, 1940; lowest 42.06 below lsd, Sept. 30, 1949. Records available: 1939-52.

Jan. 2	32.00	Apr. 30	33.29	Aug. 2	33.93	Oct. 31	34.66
31	33.88	June 2	34.38	Sept. 3	33.56	Dec. 2	34.10
Feb. 29	31.14	30	32.83	Oct. 1	35.50	31	33.56
Mar. 31	31.59						

M-5b. City of Wichita. NW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 59 feet. Highest water level 17.82 below lsd, May 27, 1940; lowest 43.00 below lsd, Feb. 27, 1947. Records available: 1939-52.

Jan. 2	31.74	Apr. 30	33.10	Aug. 2	33.72	Oct. 31	34.46
31	33.57	June 2	34.04	Sept. 3	33.48	Dec. 2	33.94
Feb. 29	31.09	30	32.57	Oct. 1	35.10	31	33.38
Mar. 31	31.42						

M-6. City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation and public-supply water-table well in sand and gravel, diameter 16 inches, depth 257 feet. Highest water level 10.10 below lsd, Apr. 2, 1951; lowest 114.0 below lsd, Jan. 31, 1952. Records available: 1939-52.

Jan. 2	34.5	Apr. 30	111.0	Aug. 2	76.0	Oct. 31	79.0
31	114.0	June 2	113.0	Sept. 3	76.0	Dec. 2	79.0
Feb. 29	35.0	30	35.0	Oct. 1	77.0	31	36.2
Mar. 31	34.0						

M-6a. City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 18.63 below lsd, June 3, 1940; lowest 39.43 below lsd, Dec. 3, 1947. Records available: 1939-52.

Jan. 2	33.28	Apr. 30	35.34	Aug. 2	35.89	Oct. 31	36.70
31	35.76	June 2	36.30	Sept. 3	35.62	Dec. 2	36.10
Feb. 29	32.93	30	34.30	Oct. 1	34.97	31	35.22
Mar. 31	33.24						

M-6b. City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 18.46 below lsd, June 3, 1940; lowest 36.88 below lsd, Oct. 3, 1948. Records available: 1939-52.

Jan. 2	32.94	Apr. 30	34.79	Aug. 2	35.40	Oct. 31	36.17
31	35.28	June 2	35.74	Sept. 3	35.12	Dec. 2	35.63
Feb. 29	32.54	30	33.89	Oct. 1	36.52	31	34.80
Mar. 31	32.86						

M-7. City of Wichita. NW¼SW¼ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 122 feet. Highest water level 11.03 below lsd, June 13, 1939; lowest 52.0 below lsd, Aug. 2, 1952. Records available: 1939-52.

Jan. 2	27.0	Apr. 30	47.0	Aug. 2	52.0	Oct. 31	51.0
31	25.5	June 3	49.0	Sept. 3	29.0	Dec. 2	33.0
Feb. 29	25.0	30	49.0	Oct. 1	51.0	31	28.5
Mar. 31	35.0						

M-7a. City of Wichita. NW¼SW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 11.20 below lsd, Aug. 21, 1939; lowest 34.39 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	25.55	Apr. 30	30.37	Aug. 2	32.94	Oct. 31	34.33
31	24.38	June 3	31.79	Sept. 3	29.03	Dec. 2	32.63
Feb. 29	24.10	30	32.05	Oct. 1	33.72	31	28.38
Mar. 31	30.20						

M-7b. City of Wichita. SW¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 11.24 below lsd, Aug. 21, 1939; lowest 32.17 below lsd, Oct. 31, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	25.83	Apr. 30	28.25	Aug. 2	30.77	Oct. 31	32.17
31	24.74	June 3	29.56	Sept. 3	29.16	Dec. 2	31.82
Feb. 29	23.88	30	29.87	Oct. 1	31.60	31	28.62
Mar. 31	27.83						

M-8. City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W. Drilled observation and public-supply water-table well in sand and gravel, diameter 18 inches, depth 257 feet. Highest water level 15.93 below lsd, May 27, 1940; lowest 115.0 below lsd, Aug. 30, 1950. Records available: 1939-52.

Jan. 2	33.0	Apr. 30	33.0	Aug. 2	106.0	Oct. 31	107.5
31	33.5	June 2	106.0	Sept. 3	34.0	Dec. 2	107.0
Feb. 29	108.0	30	108.0	Oct. 1	104.0	31	109.5
Mar. 31	108.0						

M-8a. City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 14.72 below lsd, June 3, 1940; lowest 41.08 below lsd, Sept. 30, 1950. Records available: 1939-52.

Jan. 2	30.90	Apr. 30	30.80	Aug. 2	32.69	Oct. 31	33.55
31	31.10	June 2	31.80	Sept. 3	32.44	Dec. 2	33.05
Feb. 29	31.00	30	32.09	Oct. 1	33.38	31	33.29
Mar. 31	31.24						

M-8b. City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 54 feet. Highest water level 13.30 below lsd, June 3, 1940; lowest 32.13 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	29.30	Apr. 30	29.45	Aug. 2	31.25	Oct. 31	32.13
31	29.74	June 2	30.46	Sept. 3	30.99	Dec. 2	31.49
Feb. 29	29.43	30	30.58	Oct. 1	31.93	31	31.68
Mar. 31	29.67						

M-9. City of Wichita. NW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 248 feet. Highest water level 10.82 below lsd, May 27, 1940; lowest 79.0 below lsd, Dec. 31, 1952. Records available: 1939-52.

Jan. 2	73.0	Apr. 30	73.0	Aug. 2	32.0	Oct. 31	33.5
31	30.0	June 2	74.0	Sept. 3	75.0	Dec. 2	76.0
Feb. 29	74.0	30	34.0	Oct. 1	74.0	31	79.0
Mar. 31	75.0						

M-9a. City of Wichita. NW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 10.40 below lsd, May 27, 1940; lowest 31.77 below lsd, Dec. 31, 1952. Records available: 1939-52.

Jan. 2	28.57	Apr. 30	29.44	Aug. 2	29.80	Oct. 31	30.83
31	28.48	June 2	29.70	Sept. 3	31.20	Dec. 2	31.57
Feb. 29	29.36	30	29.54	Oct. 1	31.62	31	31.77
Mar. 31	29.11						

M-9b. City of Wichita. NW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 9.12 below lsd, May 27, 1940; lowest 30.12 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	28.90	Apr. 30	27.83	Aug. 2	28.57	Oct. 31	29.64
31	27.34	June 2	28.20	Sept. 3	29.64	Dec. 2	29.89
Feb. 29	27.58	30	28.33	Oct. 1	30.12	31	30.04
Mar. 31	27.38						

M-10. City of Wichita. NE¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 259 feet. Highest water level 12.05 below lsd, May 27, 1940; lowest 94.00 below lsd, Dec. 31, 1952. Records available: 1939-52.

Jan. 2	34.0	Apr. 30	89.0	Aug. 2	92.0	Oct. 31	92.5
31	32.0	June 2	88.0	Sept. 3	93.0	Dec. 2	90.0
Feb. 29	34.0	30	34.0	Oct. 1	90.0	31	94.0
Mar. 31	89.0						

M-10a. City of Wichita. NE¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 11.24 below lsd, May 27, 1940; lowest 37.38 below lsd, Dec. 31, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	32.40	Apr. 30	34.30	Aug. 2	34.63	Oct. 31	36.83
31	30.57	June 2	34.97	Sept. 3	35.91	Dec. 2	36.80
Feb. 29	31.76	30	32.65	Oct. 1	36.27	31	37.38
Mar. 31	34.41						

M-10b. City of Wichita. NE¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 10.44 below lsd, May 27, 1940; lowest 33.80 below lsd, Dec. 31, 1952. Records available: 1939-52.

Jan. 2	32.79	Apr. 30	30.90	Aug. 2	31.36	Oct. 31	33.13
31	29.40	June 2	31.40	Sept. 3	32.58	Dec. 2	33.32
Feb. 29	30.42	30	31.22	Oct. 1	33.17	31	33.80
Mar. 31	30.89						

M-11. City of Wichita. SW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 228 feet. Highest water level 7.11 below lsd, May 27, 1940; lowest 74.00 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	25.70	Apr. 30	55.38	Aug. 2	58.25	Oct. 31	58.78
31	57.85	June 2	56.44	Sept. 3	58.18	Dec. 2	28.0
Feb. 29	25.51	30	57.22	Oct. 1	74.0	31	28.29
Mar. 31	25.08						

M-11a. City of Wichita. SW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 6.38 below lsd, May 27, 1940; lowest 29.14 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	25.60	Apr. 30	26.15	Aug. 2	27.93	Oct. 31	29.02
31	27.00	June 2	27.11	Sept. 3	28.52	Dec. 2	26.62
Feb. 29	24.37	30	26.63	Oct. 1	29.14	31	26.55
Mar. 31	23.90						

M-11b. City of Wichita. SW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 7.67 below lsd, May 27, 1940; lowest 29.28 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	25.93	Apr. 30	26.42	Aug. 2	27.98	Oct. 31	29.06
31	26.97	June 2	27.22	Sept. 3	28.63	Dec. 2	27.90
Feb. 29	25.64	30	26.85	Oct. 1	29.28	31	27.89
Mar. 31	25.28						

M-12. City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 236 feet. Highest water level 11.41 below lsd, Aug. 21, 1939; lowest 87.00 below lsd, Apr. 30, 1952. Records available: 1939-52.

Jan. 2	31.5	Apr. 30	87.0	Aug. 2	82.0	Oct. 31	86.0
31	32.0	June 2	31.0	Sept. 3	85.0	Dec. 2	85.0
Feb. 29	32.0	30	82.0	Oct. 1	84.0	31	86.0
Mar. 31	78.0						

M-12a. City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 10.73 below lsd, May 27, 1940; lowest 40.09 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	29.85	Apr. 30	35.97	Aug. 2	38.20	Oct. 31	39.39
31	30.91	June 2	30.39	Sept. 3	39.20	Dec. 2	39.17
Feb. 29	30.20	30	37.23	Oct. 1	40.09	31	39.25
Mar. 31	33.32						

M-12b. City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 11.70 below lsd, Aug. 21, 1939, Nov. 27, 1940; lowest 40.79 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	31.03	Apr. 30	36.60	Aug. 2	38.85	Oct. 31	40.18
31	32.04	June 2	31.46	Sept. 3	38.90	Dec. 2	39.80
Feb. 29	31.28	30	37.85	Oct. 1	40.79	31	39.80
Mar. 31	34.07						

M-13. City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 245 feet, cased to 188. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 66.10 below lsd, Sept. 3, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	26.60	Apr. 30	27.03	Aug. 2	65.92	Oct. 31	66.02
31	64.40	June 2	26.38	Sept. 3	66.10	Dec. 2	65.40
Feb. 29	65.06	30	27.98	Oct. 1	65.89	31	30.41
Mar. 31	25.71						

M-13a. City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 7.89 below lsd, May 27, 1940; lowest 29.63 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	25.27	Apr. 30	25.43	Aug. 2	28.08	Oct. 31	29.63
31	26.60	June 2	21.46	Sept. 3	28.86	Dec. 2	29.33
Feb. 29	26.34	30	26.28	Oct. 1	29.48	31	27.96
Mar. 31	24.92						

M-13b. City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 7.63 below lsd, May 27, 1940; lowest 30.08 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	26.17	Apr. 30	26.34	Aug. 2	28.42	Oct. 31	30.08
31	26.85	June 2	26.34	Sept. 3	29.24	Dec. 2	29.56
Feb. 29	26.68	30	27.23	Oct. 1	29.98	31	28.73
Mar. 31	25.98						

M-14. City of Wichita. NW¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 102 feet. Highest water level 9.07 below lsd, May 27, 1940; lowest 59.08 below lsd, Jan. 5, 1949. Records available: 1939-52.

Jan. 2	53.0	Apr. 30	50.0	Aug. 2	34.5	Oct. 31	55.0
31	54.5	June 2	49.0	Sept. 3	50.0	Dec. 2	32.0
Feb. 29	29.0	30	47.0	Oct. 1	45.5	31	30.5
Mar. 31	50.5						

M-14a. City of Wichita. NW¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 50 feet, cased to 47. Highest water level 8.31 below lsd, Apr. 4, 1939; lowest 40.50 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	35.60	Apr. 30	35.46	Aug. 2	34.14	Oct. 31	40.50
31	35.01	June 2	35.98	Sept. 3	38.99	Dec. 2	30.80
Feb. 29	28.03	30	35.59	Oct. 1	36.22	31	28.85
Mar. 31	35.98						

M-14b. City of Wichita. SW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 57 feet. Highest water level 8.16 below lsd, May 13, 27, June 3, 1940; lowest 36.57 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	31.54	Apr. 30	31.60	Aug. 2	33.57	Oct. 31	36.57
31	32.19	June 2	32.10	Sept. 3	35.18	Dec. 2	30.81
Feb. 29	28.13	30	31.94	Oct. 1	34.06	31	29.74
Mar. 31	32.13						

M-15. City of Wichita. SE¼NE¼ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 193 feet. Highest water level 13.92 below lsd, Apr. 17, 1939; lowest 82.0 below lsd, Dec. 31, 1952. Records available: 1939-52.

Jan. 2	27.0	Apr. 30	30.0	Aug. 2	79.0	Oct. 31	32.0
31	72.5	June 3	29.5	Sept. 3	78.0	Dec. 2	81.0
Feb. 29	27.0	30	78.0	Oct. 1	33.0	31	82.0
Mar. 31	73.0						

M-15a. City of Wichita. SE¼NE¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 67 feet. Highest water level 12.49 below lsd, May 27, 1940; lowest 38.26 below lsd, Dec. 2, 1952. Records available: 1939-52.

Jan. 2	26.20	Apr. 30	29.80	Aug. 2	37.57	Oct. 31	30.94
31	35.54	June 3	29.18	Sept. 3	36.58	Dec. 2	38.26
Feb. 29	26.43	30	37.48	Oct. 1	32.73	31	37.37
Mar. 31	35.14						

M-15b. City of Wichita. SE¼NE¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 62 feet. Highest water level 13.45 below lsd, May 27, 1940; lowest 38.27 below lsd, Dec. 2, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	27.56	Apr. 30	30.72	Aug. 2	37.34	Oct. 31	31.92
31	35.38	June 3	30.08	Sept. 3	36.39	Dec. 2	38.27
Feb. 29	27.40	30	37.24	Oct. 1	32.59	31	37.18
Mar. 31	35.06						

M-16. City of Wichita. SE¼SE¼ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 193 feet. Highest water level 10.71 below lsd, Aug. 21, 1939; lowest 71.00 below lsd, Aug. 1, 1950. Records available: 1939-52.

Jan. 2	26.0	Apr. 30	66.0	Aug. 2	69.0	Oct. 31	30.0
31	67.0	June 3	65.0	Sept. 3	32.0	Dec. 2	68.0
Feb. 29	26.5	30	64.0	Oct. 1	67.0	31	34.0
Mar. 31	66.0						

M-16a. City of Wichita. SE¼SE¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 57 feet. Highest water level 10.93 below lsd, Aug. 21, 1939; lowest 35.82 below lsd, Dec. 2, 1952. Records available: 1939-52.

Jan. 2	24.84	Apr. 30	33.01	Aug. 2	34.53	Oct. 31	29.40
31	32.18	June 3	31.30	Sept. 3	30.05	Dec. 2	35.82
Feb. 29	25.06	30	34.36	Oct. 1	34.46	31	30.97
Mar. 31	32.23						

M-16b. City of Wichita. SE¼SE¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 56 feet. Highest water level 11.02 below lsd, May 27, 1940; lowest 29.08 below lsd, Dec. 2, 1952. Records available: 1939-52.

Jan. 2	24.32	Apr. 30	26.00	Aug. 2	27.79	Oct. 31	28.02
31	25.78	June 3	26.13	Sept. 3	27.69	Dec. 2	29.08
Feb. 29	25.44	30	27.40	Oct. 1	28.31	31	28.74
Mar. 31	25.90						

M-17. City of Wichita. NE¼SE¼ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 186 feet. Highest water level 6.58 below lsd, Aug. 21, 1939; lowest 64.0 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	59.5	Apr. 30	62.0	Aug. 2	21.0	Oct. 31	64.0
31	18.5	June 3	19.0	Sept. 3	63.5	Dec. 3	22.5
Feb. 29	60.5	30	63.0	Oct. 1	23.0	31	63.0
Mar. 31	18.5						

M-17a. City of Wichita. NE¼SE¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 5.66 below lsd, Aug. 21, 1939; lowest 27.28 below lsd, Mar. 31, 1950. Records available: 1939-52.

Jan. 2	17.83	Apr. 30	18.81	Aug. 2	20.15	Oct. 31	22.16
31	17.48	June 3	18.62	Sept. 3	20.76	Dec. 3	21.63
Feb. 29	18.58	30	19.80	Oct. 1	26.26	31	22.25
Mar. 31	17.80						

M-17b. City of Wichita. NE¼SE¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 4.01 below lsd, Aug. 21, 1939; lowest 20.74 below lsd, Dec. 31, 1952. Records available: 1939-52.

Jan. 2	16.35	Apr. 30	17.38	Aug. 2	18.92	Oct. 31	20.70
31	16.10	June 3	17.28	Sept. 3	19.32	Dec. 2	20.29
Feb. 29	17.06	30	18.42	Oct. 1	19.89	31	20.74
Mar. 31	16.49						

M-18. City of Wichita. SE¼SW¼ sec. 22, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 158 feet. Highest water level 10.00 below lsd, Aug. 21, 1939; lowest 60.00 below lsd, Mar. 31, 1952. Records available: 1939-52.

Jan. 2	20.27	Apr. 30	59.85	Aug. 2	53.52	Oct. 31	54.05
31	59.0	June 3	58.29	Sept. 3	51.89	Dec. 2	52.33
Feb. 29	59.47	30	51.18	Oct. 1	53.40	31	24.16
Mar. 31	60.00						

M-18a. City of Wichita. SE¼SW¼ sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 72 feet. Highest water level 9.62 below lsd, Aug. 21, 1939; lowest 37.12 below lsd, Apr. 30, 1951. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	18.90	Apr. 30	35.33	Aug. 2	34.04	Oct. 31	34.52
31	34.54	June 3	35.54	Sept. 3	34.15	Dec. 2	34.17
Feb. 29	35.67	30	32.99	Oct. 1	34.49	31	22.87
Mar. 31	34.62						

M-18b. City of Wichita. SE¼SW¼ sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in sand, diameter 1¼ inches, depth 63 feet. Highest water level 9.38 below lsd, Aug. 21, 1939; lowest 29.06 below lsd, Apr. 30, 1951. Records available: 1939-52.

Jan. 2	18.45	Apr. 30	27.14	Aug. 2	27.64	Oct. 31	28.10
31	26.43	June 3	27.99	Sept. 3	27.88	Dec. 2	28.18
Feb. 29	27.50	30	26.85	Oct. 1	28.20	31	22.42
Mar. 31	26.29						

M-19. City of Wichita. NE¼NE¼ sec. 27, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 145 feet. Highest water level 10.82 below lsd, Aug. 21, 1939; lowest 47.00 below lsd, Aug. 1, 1950, Jan. 31, 1952. Records available: 1939-52.

Jan. 2	43.94	Apr. 30	44.02	Aug. 2	45.50	Oct. 31	43.10
31	47.00	June 3	43.54	Sept. 3	44.70	Dec. 2	24.66
Feb. 29	21.86	30	23.50	Oct. 1	24.29	31	44.34
Mar. 31	21.85						

M-19a. City of Wichita. NE¼NE¼ sec. 27, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 60 feet. Highest water level 13.11 below lsd, Aug. 21, 1939; lowest 28.83 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	25.34	Apr. 30	25.94	Aug. 2	27.63	Oct. 31	28.83
31	24.84	June 3	27.04	Sept. 3	28.16	Dec. 2	26.10
Feb. 29	23.10	30	24.99	Oct. 1	25.72	31	28.68
Mar. 31	23.19						

M-19b. City of Wichita. NE¼NE¼ sec. 27, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 11.47 below lsd, Aug. 21, 1939; lowest 25.50 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	21.52	Apr. 30	22.53	Aug. 2	24.35	Oct. 31	25.50
31	22.04	June 3	23.68	Sept. 3	24.90	Dec. 2	24.95
Feb. 29	22.19	30	23.76	Oct. 1	24.71	31	25.24
Mar. 31	22.45						

M-20. City of Wichita. NW¼SE¼ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 248 feet. Highest water level 9.74 below lsd, May 27, 1940; lowest 86.00 below lsd, Sept. 30, 1950. Records available: 1939-52.

Jan. 2	78.0	Apr. 30	32.0	Aug. 2	34.0	Oct. 31	36.0
31	85.5	June 2	77.5	Sept. 3	80.0	Dec. 2	34.0
Feb. 29	31.0	30	79.0	Oct. 1	80.0	31	84.3
Mar. 31	30.0						

M-20a. City of Wichita. NW¼SE¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 9.28 below lsd, May 27, 1940; lowest 33.00 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	30.00	Apr. 30	29.02	Aug. 2	31.02	Oct. 31	32.42
31	30.20	June 2	29.70	Sept. 3	32.03	Dec. 2	31.67
Feb. 29	29.07	30	30.71	Oct. 1	33.00	31	31.84
Mar. 31	28.62						

M-20b. City of Wichita. NW¼SE¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.49 below lsd, May 27, 1940; lowest 33.33 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	30.29	Apr. 30	29.59	Aug. 2	31.56	Oct. 31	32.99
31	30.60	June 2	30.03	Sept. 3	32.38	Dec. 2	32.45
Feb. 29	29.68	30	30.97	Oct. 1	33.33	31	32.14
Mar. 31	30.20						

M-21. City of Wichita. SW¼SW¼ sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 80 feet. Highest water level 8.32 below lsd, Aug. 21, 1939; lowest 50.5 below lsd, Mar. 31, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	49.0	Apr. 30	49.0	Aug. 2	47.5	Oct. 31	50.0
31	50.0	June 3	48.0	Sept. 3	47.0	Dec. 2	48.0
Feb. 29	50.0	30	46.0	Oct. 1	48.5	31	48.5
Mar. 31	50.5						

M-21a. City of Wichita. SW¼SW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.50 below lsd, Aug. 21, 1939; lowest 31.89 below lsd, Dec. 4, 1946. Records available: 1939-52.

Jan. 2	26.46	Apr. 30	25.51	Aug. 2	27.83	Oct. 31	28.50
31	27.06	June 3	26.03	Sept. 3	28.18	Dec. 2	27.95
Feb. 29	27.54	30	27.12	Oct. 1	28.35	31	27.48
Mar. 31	27.60						

M-21b. City of Wichita. SW¼SW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.08 below lsd, Aug. 21, 1939; lowest 26.61 below lsd, Aug. 31, 1951. Records available: 1939-52.

Jan. 2	23.15	Apr. 30	22.50	Aug. 2	24.92	Oct. 31	25.70
31	23.79	June 3	23.08	Sept. 3	25.35	Dec. 2	25.46
Feb. 29	24.30	30	24.25	Oct. 1	25.54	31	24.90
Mar. 31	24.42						

M-22. City of Wichita. SW¼SE¼ sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 82 feet. Highest water level 9.20 below lsd, Aug. 21, 1939; lowest 56.50 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	51.74	Apr. 30	51.87	Aug. 2	53.10	Oct. 31	54.89
31	22.20	June 4	51.69	Sept. 3	53.94	Dec. 2	51.85
Feb. 29	53.39	30	51.79	Oct. 1	56.50	31	25.43
Mar. 31	22.80						

M-22a. City of Wichita. SW¼SE¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.49 below lsd, Aug. 21, 1939; lowest 30.65 below lsd, Feb. 1, 1951. Records available: 1939-52.

Jan. 2	28.08	Apr. 30	27.96	Aug. 2	29.57	Oct. 31	30.53
31	20.85	June 4	28.06	Sept. 3	30.10	Dec. 2	29.80
Feb. 29	28.68	30	28.96	Oct. 1	30.27	31	24.05
Mar. 31	21.39						

M-22b. City of Wichita. SE¼SW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 50 feet. Highest water level 9.28 below lsd, Aug. 21, 1939; lowest 27.19 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	23.64	Apr. 30	23.48	Aug. 2	25.72	Oct. 31	27.19
31	21.97	June 4	24.08	Sept. 3	26.54	Dec. 2	26.55
Feb. 29	24.59	30	24.98	Oct. 1	26.76	31	25.08
Mar. 31	22.54						

M-23. City of Wichita. SE¼NE¼ sec. 35, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 205 feet. Highest water level 7.85 below lsd, Aug. 21, 1939; lowest 89.00 below lsd, Mar. 31, 1952. Records available: 1939-52.

Jan. 2	75.00	Apr. 30	80.00	Aug. 2	76.00	Oct. 31	77.00
31	22.00	June 4	72.00	Sept. 3	72.00	Dec. 2	71.00
Feb. 29	22.00	30	75.00	Oct. 1	74.50	31	75.50
Mar. 31	89.00						

M-23a. City of Wichita. SE¼NE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 22.73 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	18.42	Apr. 30	20.06	Aug. 2	21.55	Oct. 31	22.73
31	17.85	June 4	20.70	Sept. 3	22.07	Dec. 2	22.66
Feb. 29	18.55	30	21.03	Oct. 1	22.49	31	22.54
Mar. 31	20.12						

M-23b. City of Wichita. SE¼NE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 7.50 below lsd, Aug. 21, 1939; lowest 21.48 below lsd, Oct. 31, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	17.05	Apr. 30	18.65	Aug. 2	20.24	Oct. 31	21.48
31	16.97	June 4	19.39	Sept. 3	20.77	Dec. 2	21.47
Feb. 29	17.70	30	19.69	Oct. 1	21.20	31	21.36
Mar. 31	18.65						

M-24. City of Wichita. SE¼SE¼ sec. 35, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 97 feet. Highest water level 8.71 below lsd, Aug. 21, 1939; lowest 54.50 below lsd, Apr. 30, 1952. Records available: 1939-52.

Jan. 2	18.5	Apr. 30	54.5	Aug. 2	22.5	Oct. 31	24.5
31	49.5	June 4	49.0	Sept. 3	52.5	Dec. 2	52.0
Feb. 29	50.0	30	49.5	Oct. 1	54.0	31	22.5
Mar. 31	52.5						

M-24a. City of Wichita. SE¼SE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 54 feet. Highest water level 8.88 below lsd, Aug. 21, 1939; lowest 26.42 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	18.03	Apr. 30	23.32	Aug. 2	23.16	Oct. 31	23.69
31	22.09	June 4	23.75	Sept. 3	25.39	Dec. 2	25.69
Feb. 29	23.36	30	23.75	Oct. 1	26.42	31	22.80
Mar. 31	24.06						

M-24b. City of Wichita. SE¼SE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 11.17 below lsd, Aug. 28, 1939; lowest 26.45 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 2	20.19	Apr. 30	23.00	Aug. 2	24.33	Oct. 31	26.00
31	21.80	June 4	23.70	Sept. 3	25.52	Dec. 2	26.10
Feb. 29	23.09	30	23.90	Oct. 1	26.45	31	25.15
Mar. 31	23.68						

M-25. City of Wichita. SW¼SE¼ sec. 36, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 189 feet. Highest water level 5.54 below lsd, Aug. 21, 1939; lowest 58.62 below lsd, Oct. 31, 1949. Records available: 1939-52.

Jan. 2	48.57	Apr. 30	17.35	Aug. 2	50.94	Oct. 31	57.73
31	15.25	June 4	51.20	Sept. 3	51.58	Dec. 2	20.08
Feb. 29	53.29	30	50.67	Oct. 1	52.36	31	19.51
Mar. 31	16.81						

M-25a. City of Wichita. SW¼SE¼ sec. 36, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 50 feet, cased to 47. Highest water level 5.31 below lsd, Aug. 21, 1939; lowest 19.76 below lsd, Oct. 31, 1952. Records available: 1939-52.

Jan. 2	15.10	Apr. 30	15.97	Aug. 2	18.41	Oct. 31	19.76
31	14.54	June 4	17.30	Sept. 3	18.98	Dec. 2	18.75
Feb. 29	16.17	30	17.88	Oct. 1	19.36	31	18.35
Mar. 31	15.29						

M-26. City of Wichita. SW¼NE¼ sec. 22, T. 24 S., R. 2 W. Drilled public-supply water-table well in alluvium, diameter 18 inches, depth 195 feet. Highest water level 13.96 below lsd, July 8, 1949; lowest 73.0 below lsd, Feb. 29, Apr. 30, 1952. Records available: 1949-52.

Jan. 2	72.5	Apr. 30	73.0	Aug. 2	59.0	Oct. 31	56.0
31	72.5	June 4	68.5	Sept. 3	53.0	Dec. 2	53.0
Feb. 29	73.0	30	56.0	Oct. 1	54.5	31	58.0
Mar. 31	20.0						

M-26a. City of Wichita. SW¼NW¼ sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in Meade formation, diameter 1¼ inches, depth 81 feet. Highest water level 15.99 below lsd, Nov. 30, 1949; lowest 22.68 below lsd, Dec. 31, 1952. Records available: 1949-52.

Jan. 2	19.43	Apr. 30	20.41	Aug. 2	21.35	Oct. 31	22.05
31	17.89	June 3	20.89	Sept. 3	21.24	Dec. 2	22.13
Feb. 29	19.74	30	20.54	Oct. 1	21.56	31	22.68
Mar. 31	18.38						

M-26b. City of Wichita. SW¼NW¼ sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in Meade formation, diameter 1¼ inches, depth 79 feet. Highest water level 11.62 below lsd, July 7, 1948; lowest 23.10 below lsd, Apr. 30, 1951. Records available: 1947-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	16.86	Apr. 30	18.00	Aug. 2	19.17	Oct. 31	19.97
31	19.59	June 4	18.52	Sept. 3	19.20	Dec. 2	20.09
Feb. 29	17.63	30	18.41	Oct. 1	19.48	31	20.56
Mar. 31	17.14						

Haskell County

7. Etta McCoy. NW¼NW¼ sec. 2, T. 30 S., R. 32 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 196 feet. Highest water level 186.73 below lsd, Aug. 11, 1952; lowest 191.20 below lsd, Feb. 21, 1951. Records available: 1941-52. Jan. 21, 186.92; May 19, 186.80; Aug. 11, 186.73; Nov. 17, 186.69.

10. Elie Stoops. SE¼NW¼ sec. 33, T. 30 S., R. 34 W. Drilled unused water-table well in Ogallala formation, diameter 10 inches, depth 61 feet. Highest water level 45.40 below lsd, Oct. 12, 1950; lowest 51.74 below lsd, Mar. 18, 1948. Records available: 1941-52. Jan. 15, 46.04; Feb. 21, 46.42; Mar. 4, 46.38; Apr. 21, 46.57; Dec. 8, 47.27.

12. Sybol Smith. SW¼SW¼ sec. 11, T. 30 S., R. 32 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 198 feet. Highest water level 179.40 below lsd, Nov. 3, 1941; lowest 187.64 below lsd, Aug. 16, 1949. Records available: 1941-52. May 19, 179.68.

Hodgeman County

3. C. A. Bradley. SW¼NW¼ sec. 12, T. 21 S., R. 22 W. Dug and drilled irrigation water-table well in alluvium, diameter 60 to 20 inches, depth 76 feet. Highest water level 23.84 below lsd, Oct. 24, 1951; lowest 34.77 below lsd, Sept. 20, 1940. Records available: 1940-52. Jan. 23, 25.07; Apr. 17, 25.92.

4. Bill Macey. SW¼SW¼ sec. 13, T. 22 S., R. 22 W. Dug and drilled irrigation water-table well in alluvium, diameter 60 to 20 inches, depth 50 feet. Highest water level 13.81 below lsd, July 16, 1951; lowest 27.52 below lsd, Oct. 2, 1941. Records available: 1940-52. Jan. 23, 20.44; Apr. 17, 20.67; July 30, 22.57; Oct. 22, 24.69.

Jackson County

5-15-22db. Fred Bergman Estate. Drilled domestic water-table well in glacial sand and gravel, diameter 12 inches, depth 32 feet, tile casing. Highest water level 12.83 below lsd, Sept. 27, 1951; lowest 21.36 below lsd, Feb. 9, 1949. Records available: 1948-52. Feb. 12, 14.25.

7-15-3ca. Fred Shafer. Drilled unused water-table well in alluvium, diameter 6 inches, depth 17 feet. Highest water level 5.85 below lsd, July 3, 1948; lowest 7.22 below lsd, Oct. 14, 1948. Records available: 1948-52. Feb. 12, 6.20.

9-15-23dcb. B. F. Albright. Dug unused water-table well in glacial sand and gravel, diameter 20 inches, depth 16 feet, cribbed with brick. Highest water level 2.84 below lsd, Sept. 27, 1951; lowest 8.31 below lsd, Oct. 14, 1948. Records available: 1948-52. Feb. 12, 3.83.

Jefferson County

11-19-27bcc. Buck Creek School. Dug public-supply water-table well in terrace deposits, diameter 24 inches, depth 33 feet, cribbed with rock. Highest water level 19.77 below lsd, Aug. 1, 1951; lowest 27.56 below lsd, Jan. 17, 1950. Records available: 1948-52. Feb. 12, 24.54.

11-19-29bc. Bill Green. Dug unused water-table well in alluvium, diameter 36 inches, depth 30 feet, cribbed with rock. Highest water level 6.72 below lsd, Aug. 1, 1951; lowest 24.87 below lsd, Nov. 27, 1948. Records available: 1948-52. Feb. 12, 18.54.

Jewell County

6. H. C. Doud. SE¼SW¼ sec. 5, T. 3 S., R. 9 W. Drilled unused water-table well in Niobrara formation, diameter 8 inches, depth 51 feet, tile casing. Highest water level 32.09 below lsd, July 24, 1951; lowest 46.76 below lsd, Oct. 13, 1937. Records available: 1934-44, 1946-52. Feb. 28, 37.48; May 26, 34.06; Sept. 5, 37.05.

12. M. W. Howe. Lot 4, sec. 30, T. 3 S., R. 9 W. Dug unused water-table well in Niobrara formation, diameter 36 inches, depth 88 feet, cribbed with brick. Highest water level 39.14 below lsd, July 24, 1951; lowest 77.79 below lsd, June 8, 1938. Records available: 1934-52. Feb. 28, 54.25; May 26, 48.15; Sept. 5, 56.36.

14. C. Walker. SE¼SE¼ sec. 24, T. 3 S., R. 9 W. Dug unused water-table well in Niobrara formation, diameter 42 inches, depth 54 feet, cribbed with rock. Highest water level 12.54 below lsd, July 24, 1951; lowest 46.69 below lsd, Mar. 20, 1934. Records available: 1934-44, 1946-52. Feb. 28, 19.55; May 26, 12.83; Sept. 5, 17.02.

22. Meyer Miles. NW¼NE¼ sec. 10, T. 5 S., R. 9 W. Drilled unused water-table well in alluvium, diameter 20 inches, depth 48 feet, tile casing. Highest water level 7.79 below lsd, July 24, 1951; lowest 25.68 below lsd, Aug. 10, 1934. Records available: 1934-52. Feb. 28, 10.77; May 26, 9.78; Sept. 5, 11.90.

34. Glen Kindler. SE¼SE¼ sec. 18, T. 3 S., R. 10 W. Dug unused water-table well in alluvium and colluvium, diameter 4 feet, depth 36 feet, cribbed with rock. Highest water level 5.14 below lsd, July 24, 1951; lowest 33.92 below lsd, Aug. 19, 1940. Records available: 1939-44, 1946-52. May 26, 8.82; Sept. 5, 12.12.

41. Walter Dietz. Lot 16, sec. 6, T. 5 S., R. 9 W. Drilled water-table well in alluvium and colluvium, diameter 8 inches, depth 31 feet, tile casing. Highest water level 8.40 below lsd, July 23, 1951; lowest 27.38 below lsd, May 23, 1941. Records available: 1934-44, 1946-52. Feb. 28, 10.75; Sept. 5, 12.94.

44. Cleo Gimple. SE¼SW¼ sec. 13, T. 4 S., R. 9 W. Drilled stock water-table well in alluvium, diameter 6 inches, depth 37 feet, tile casing. Highest water level 5.00 below lsd, Aug. 2, 1944; lowest 24.03 below lsd, May 9, 1935. Records available: 1934-44, 1946-52. Feb. 28, 9.39; May 26, 9.83; Sept. 5, 10.35.

45. Victor Yapp. NE¼SW¼ sec. 24, T. 4 S., R. 10 W. Drilled unused water-table well in alluvium and colluvium, diameter 12 inches, depth 38 feet. Highest water level 14.31 below lsd, July 23, 1951; lowest 34.39 below lsd, Dec. 21, 1940. Records available: 1934-52. Feb. 28, 16.99; May 26, 16.71; Sept. 5, 18.40.

46. Ralph Wierenga. Lot 3, sec. 19, T. 5 S., R. 9 W. Drilled unused water-table well in Carlile shale, diameter 7 inches, depth 29 feet. Highest water level 0.36 below lsd, June 24, 1947; lowest 17.54 below lsd, Aug. 30, 1934. Records available: 1934-44, 1946-52. Feb. 28, 1.61; May 26, 1.46; Sept. 5, 5.34.

47. Meyer Miles. SE¼SW¼ sec. 3, T. 5 S., R. 9 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 7 inches, depth 17 feet. Highest water level 0.67 below lsd, July 24, 1951; lowest 13.84 below lsd, May 9, 1935. Records available: 1934-44, 1946-52. Feb. 28, 2.98; May 26, 2.14; Sept. 5, 5.85.

49. E. Underwood. SW¼NE¼ sec. 5, T. 3 S., R. 9 W. Drilled unused water-table well in Niobrara formation, diameter 12 inches, depth 58 feet. Highest water level 13.15 below lsd, June 24, 1947, May 12, 1951; lowest 46.83 below lsd, Nov. 24, 1934. Records available: 1934-44, 1946-52. Feb. 28, 13.49; Sept. 5, 16.82.

64. Warren Morgan Co. SE¼SW¼ sec. 6, T. 3 S., R. 8 W. Drilled domestic and stock water-table well in Niobrara formation, diameter 6 inches, depth 84 feet. Highest water level 51.37 below lsd, Aug. 28, 1951; lowest 65.90 below lsd, Jan. 19, 1938. Records available: 1935-44, 1946-52. Feb. 28, 53.62; May 26, 51.62; Sept. 5, 53.57.

65. Mrs. B. M. Parkhurst. SE¼SE¼ sec. 23, T. 3 S., R. 9 W. Dug domestic and stock water-table well in colluvium, diameter 5 feet, depth 42 feet, cribbed with stone. Highest water level 8.42 below lsd, July 24, 1951; lowest 38.10 below lsd, Aug. 20, 1940. Records available: 1939-52. Feb. 28, 10.45; May 26, 10.01; Sept. 5, 11.07.

66. A. E. Cook Estate. SE¼NE¼ sec. 1, T. 5 S., R. 10 W. Drilled public-supply water-table well in shale, diameter 20 inches, depth 51 feet. Highest water level 8.27 below lsd, Feb. 5, 1950; lowest 27.55 below lsd, Oct. 23, 1940. Records available: 1937-44, 1946-51. No measurement made in 1952.

69. Walter Dietz. NW¼ lot 2, sec. 7, T. 5 S., R. 9 W. Drilled unused water-table well in gravel, diameter 12 inches, depth 37 feet. Highest water level 5.85 below lsd, July 23, 1951; lowest 24.50 below lsd, Aug. 19, 1940. Records available: 1939-44, 1946-52. Feb. 28, 8.64; May 26, 7.49; Sept. 5, 10.20.

1-6-5da. U. S. Geol. Survey. Drilled observation well, diameter 1¼ inches, depth 13 feet. Highest water level 3.80 below lsd, June 20, 1948; lowest 9.90 below lsd, Dec. 21, 1948. Records available: 1947-49, 1952. May 1, 6.26; May 29, 5.50; June 26, 7.56; July 24, 7.22; Aug. 20, 8.35.

1-6-5dd. U. S. Geol. Survey. Drilled observation well, diameter 1¼ inches. Highest water level 9.19 below lsd, Aug. 19, 1948; lowest 31.00 below lsd, Oct. 2, 1947. Records available: 1947-50, 1952. May 1, 25.71; May 29, 25.75; June 26, 25.78; July 24, 25.78; Aug. 20, 25.83.

1-7-1bb. U. S. Geol. Survey. Driven observation well, diameter 1¼ inches, depth 16 feet. Highest water level 7.18 below lsd, May 1, 1952; lowest 11.44 below lsd, Dec. 28, 1949. Records available: 1947-50, 1952. May 1, 7.18; May 29, 7.37; June 26, 8.31; July 24, 8.42; Aug. 20, 9.14.

1-7-2da. U. S. Geol. Survey. Driven observation well, diameter 1¼ inches, depth 13 feet. Highest water level 1.57 below lsd, June 20, 1949; lowest 8.00 below lsd, Dec. 21, 1948. Records available: 1947-50, 1952. May 1, 3.59; May 29, 3.17; June 26, 4.74; July 24, 5.17; Aug. 20, 6.23.

Johnson County

12-23-29bcc. Wm. Johnson. Dug unused water-table well in Stanton limestone, diameter 36 inches, depth 15 feet, cribbed with rock. Highest water level 2.80 below lsd, June 10, 1949; lowest 8.39 below lsd, Oct. 15, 1948. Records available: 1948-52. Feb. 21, 3.42.

14-25-8bb. Mrs. Alice Allison. Dug unused water-table well in Lane shale, diameter 36 inches, depth 28 feet, cribbed with rock. Highest water level 2.37 below lsd, Mar. 1, 1949; lowest 10.48 below lsd, Nov. 26, 1948. Records available: 1948-52. Feb. 21, 6.98.

Kearny County

13. D. S. Nicholson. NW¼NW¼ sec. 15, T. 25 S., R. 37 W. Dug irrigation water-table well in alluvium, diameter 30 inches, depth 16 feet, steel casing. Highest water level 1.47 below lsd, May 9, 1942; lowest 8.93 below lsd, Dec. 20, 1939. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	5.34	Apr. 25	5.47	July 25	6.27	Oct. 23	7.10
Feb. 14	5.62	May 28	5.98	Aug. 22	6.51	Nov. 28	6.94
Mar. 28	5.72	June 27	6.04	Sept. 26	6.83	Dec. 19	7.09

16. C. B. Campbell. SE¼SE¼SE¼ sec. 15, T. 23 S., R. 35 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 60 feet. Highest water level 23.69 below lsd, May 31, 1951; lowest 47.81 below lsd, July 3, 1941. Records available: 1939-52. May 26, 33.22; Aug. 14, 29.22; Nov. 28, 30.38.

19. E. M. Beymer. NE¼NW¼ sec. 8, T. 26 S., R. 38 W. Drilled unused water-table well in Ogallala formation, depth 152 feet. Highest water level 129.05 below lsd, Nov. 12, 1952; lowest 134.67 below lsd, Nov. 15, 1945. Records available: 1939-52. Feb. 14, 129.29; May 28, 129.51; Aug. 14, 129.10; Nov. 12, 129.05.

23. James Coghill. SW¼NW¼NW¼ sec. 18, T. 26 S., R. 37 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 205 feet. Highest water level 171.60 below lsd, Feb. 20, 1948; lowest 184.33 below lsd, Feb. 21, 1947. Records available: 1939-44, 1946-52. Feb. 14, 174.77; May 28, 174.85; Aug. 14, 174.58; Nov. 12, 174.49.

28. Harry Tate. NW¼NW¼ sec. 26, T. 22 S., R. 37 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 133 feet. Highest water level 114.45 below lsd, Aug. 14, 1952; lowest 123.85 below lsd, Feb. 19, Oct. 22, 1940. Records available: 1939-52. Feb. 14, 115.14; May 26, 114.67; Aug. 14, 114.45; Nov. 12, 114.47.

Kingman County

1. A. A. Mueller. SE¼SW¼SW¼ sec. 1, T. 30 S., R. 8 W. Drilled unused well, diameter 6 inches, depth 57 feet. Highest water level 11.27 below lsd, Mar. 31, 1948; lowest 15.25 below lsd, Nov. 12, 1946. Records available: 1945-50. No measurement made in 1952.

2. L. A. Brammer. SE¼SE¼SW¼ sec. 3, T. 30 S., R. 6 W. Dug unused well, diameter 4 feet, depth 18 feet. Highest water level 7.69 below lsd, Jan. 9, 1946; lowest 13.80 below lsd, Nov. 20, 1946. Records available: 1945-50. No measurement made in 1952.

4. N. Lawson. NW¼NW¼ sec. 9, T. 27 S., R. 9 W. Drilled observation water-table well in Meade formation, diameter 2 inches, depth 76 feet. Highest water level 55.64 below lsd, Sept. 4, 1952; lowest 65.13 below lsd, Feb. 6, 1947. Records available: 1945-52. Mar. 20, 56.50; June 10, 57.45; Sept. 4, 55.64; Dec. 11, 55.78.

6. Jane Garrett. NE¼NW¼NE¼ sec. 3, T. 29 S., R. 6 W. Drilled unused well, diameter 6 inches, depth 64 feet. Highest water level 25.64 below lsd, Oct. 3, 1949; lowest 32.68 below lsd, Aug. 29, 1946. Records available: 1945-50. No measurement made in 1952.

7. S. Schrag. SW¼SE¼SW¼ sec. 5, T. 27 S., R. 5 W. Drilled unused well, diameter 6 inches, depth 57 feet. Highest water level 42.91 below lsd, Oct. 3, 1949; lowest 48.73 below lsd, Sept. 25, 1948. Records available: 1945-50. No measurement made in 1952.

8. John McClure. NW¼NE¼ sec. 10, T. 27 S., R. 7 W. Drilled unused well, diameter 5 inches, depth 13 feet. Highest water level 5.05 below lsd, Oct. 3, 1949; lowest 8.32 below lsd, Sept. 30, 1946. Records available: 1945-50. No measurement made in 1952.

11. S. Bolinger. SE¼SW¼SW¼ sec. 12, T. 28 S., R. 5 W. Drilled unused well, diameter 6 inches, depth 32 feet. Highest water level 5.96 below lsd, Oct. 3, 1949; lowest 13.75 below lsd, July 13, 1946. Records available: 1945-50. No measurement made in 1952.

Kiowa County

4. H. E. Davis. SE¼NE¼ sec. 4, T. 28 S., R. 16 W. Drilled domestic and irrigation water-table well in Meade formation, diameter 6 inches, depth 109 feet. Highest water level 63.87 below lsd, Sept. 4, 1952; lowest 76.07 below lsd, Aug. 20, 1943. Records available: 1940-52. Mar. 20, 64.52; June 10, 64.40; Sept. 4, 63.87; Dec. 11, 64.08.

8. E. E. Miller. SW¼SE¼ sec. 18, T. 27 S., R. 18 W. Dug and drilled unused water-table well in Meade formation, diameter 16 inches, depth 75 feet. Highest water level 12.39 below lsd, Sept. 20, 1951; lowest 26.62 below lsd, Apr. 28, 1941. Records available: 1940-52. Mar. 20, 13.84; June 10, 13.21; Sept. 4, 13.52; Dec. 11, 13.87.

10. J. E. Ely. SW¼NW¼ sec. 23, T. 30 S., R. 18 W. Drilled unused water-table well in Kiowa shale, diameter 6 inches, depth 154 feet. Highest water level 104.67 below lsd, Sept. 18, 1945; lowest 120.18 below lsd, June 23, 1948. Records available: 1940-52. June 9, 112.94.

19. C. Williamson. SE¼NW¼ sec. 21, T. 27 S., R. 17 W. Drilled irrigation water-table well in Meade formation, diameter 18 inches, depth 90 feet. Highest water level 25.00 below lsd, Dec. 20, 1951; lowest 37.30 below lsd, June 19, 1944. Records available: 1941, 1944-52. Mar. 20, 26.23; June 10, 25.68; Sept. 4, 26.03.

Labette County

1. J. Ballah. NW¼NE¼ sec. 33, T. 31 S., R. 21 E. Driven stock water-table well in alluvium, diameter 1¼ inches, depth 20 feet. Highest water level 1.20 below lsd, Oct. 1, 1945; lowest 15.49 below lsd, Oct. 16, 1946. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	5.19	Mar. 16	4.13	June 1	8.02	Aug. 17	13.19
16	5.08	Apr. 1	4.92	16	9.09	Sept. 1	13.22
Feb. 1	6.17	16	4.53	July 1	10.14	16	13.62
17	4.34	May 1	5.66	16	11.29	Dec. 1	14.40
Mar. 1	4.59	16	6.72	Aug. 1	12.01		

2. C. Givens. NW¼NW¼ sec. 27, T. 31 S., R. 21 E. Driven unused water-table well in valley alluvium, diameter 1¼ inches, depth 18 feet. Highest water level 0.28 above lsd, Aug. 1, 1948; lowest 13.62 below lsd, Oct. 17, 1943. Records available: 1942-52.

Jan. 1	0.68	Apr. 1	0.89	July 1	9.28	Oct. 1	13.09
16	.63	16	.77	16	10.22	16	13.10
Feb. 1	1.69	May 1	1.16	Aug. 1	11.16	Nov. 1	13.40
17	.88	16	3.41	17	12.08	17	13.60
Mar. 1	1.13	June 1	3.09	Sept. 1	12.15	Dec. 1	13.48
16	.68	16	6.12	16	12.41	16	12.80

3. B. H. Foster. SE¼SE¼ sec. 34, T. 31 S., R. 21 E. Driven unused water-table well in valley alluvium, diameter 1¼ inches, depth 23 feet. Highest water level 0.18 below lsd, Dec. 16, 1951; lowest 11.52 below lsd, Sept. 16, 1946. Records available: 1942-52.

Jan. 1	0.96	Apr. 1	2.08	June 16	3.91	Sept. 1	7.70
16	1.78	16	1.91	July 1	4.72	16	7.89
Feb. 1	1.40	May 1	2.08	16	5.79	Oct. 1	8.54
17	1.69	16	2.54	Aug. 1	6.26	16	8.97
Mar. 1	1.86	June 1	3.21	17	7.29	Dec. 1	8.97
16	1.55						

4. Roy Schierenberg. SE¼SW¼ sec. 3, T. 32 S., R. 21 E. Driven unused water-table well in valley alluvium, diameter 1¼ inches, depth 17 feet. Highest water level 4.19 below lsd, Nov. 1, Dec. 16, 1951; lowest 14.77 below lsd, Oct. 16, 1946. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	5.08	Apr. 1	4.94	July 1	7.62	Oct. 1	10.94
16	5.02	16	4.64	16	8.18	16	11.32
Feb. 1	6.09	May 1	4.50	Aug. 1	8.76	Nov. 1	11.66
17	4.67	16	4.94	17	9.44	17	11.79
Mar. 1	4.84	June 1	6.12	Sept. 1	10.08	Dec. 1	11.72
16	4.49	16	7.08	16	10.39	16	11.93

Lane County

17-30-13cbb. F. L. Burmeister. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 94 feet. Highest water level 83.83 below lsd, Feb. 1, 1950; lowest 86.36 below lsd, Feb. 23, 1950. Records available: 1950-52. Feb. 27, 84.73; Apr. 8, 84.75; June 11, 84.25; Aug. 25, 84.49; Oct. 15, 84.70.

18-27-13ccc. C. H. Merriweather. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 95 feet. Highest water level 87.14 below lsd, Aug. 25, 1952; lowest 88.50 below lsd, June 18, 1951. Records available: 1950-52. Feb. 27, 87.19; Apr. 8, 87.16; June 11, 87.42; Aug. 25, 87.14; Oct. 15, 87.83.

18-28-15ccc. C. S. and F. E. Boone. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 61 feet. Highest water level 54.23 below lsd, Aug. 25, 1952; lowest 56.28 below lsd, June 26, 1950. Records available: 1950-52. Feb. 27, 54.24; Apr. 8, 54.28; June 11, 54.28; Aug. 25, 54.23; Oct. 15, 54.26; Dec. 22, 54.25.

18-29-13bcb. Lane County Airport Association. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 65 feet. Highest water level 54.50 below lsd, Oct. 15, 1952; lowest 57.19 below lsd, Apr. 23, 1951. Records available: 1950-52. Feb. 27, 54.72; Apr. 8, 54.70; June 11, 54.57; Aug. 25, 54.52; Oct. 15, 54.50.

19-30-3daa. John Kees. Dug unused water-table well in Ogallala formation, diameter 4 feet, depth 73 feet. Highest water level 66.76 below lsd, Dec. 10, 1951; lowest 69.52 below lsd, June 26, 1950. Records available: 1950-52. Feb. 27, 67.48; Apr. 8, 67.42; June 11, 67.28; Aug. 25, 67.49; Oct. 15, 67.04; Dec. 22, 66.90.

Leavenworth County

8-22-7c. Mrs. Joe Kennedy. Dug unused water-table well in glacial deposits, diameter 5 feet, depth 15 feet, cribbed with rock. Highest water level 1.40 below lsd, Aug. 1, 1951; lowest 9.53 below lsd, Nov. 27, 1948. Records available: 1948-52. Feb. 12, 4.65.

10-22-34ad. A. K. Mussett. Dug unused water-table well in glacial deposits, diameter 6 feet, depth 35 feet, cribbed with brick. Highest water level 0.45 below lsd, Nov. 27, 1951; lowest 4.01 below lsd, Dec. 27, 1950. Records available: 1948-52. Feb. 12, 0.59.

Lincoln County

11-7-32dc. Lincoln Golf Club. Drilled unused water-table well in Dakota formation, diameter 6 inches, depth 97 feet. Highest water level 57.96 below lsd, July 25, 1951; lowest 74.67 below lsd, Sept. 8, 1947. Records available: 1947-52. Feb. 25, 68.40; June 3, 66.86; Sept. 6, 71.57.

12-6-12cd. Harry W. Woody. Dug unused water-table well in alluvium, diameter 4 feet, depth 27 feet, cribbed with rock. Highest water level 11.64 below lsd, Aug. 9, 1948; lowest 15.52 below lsd, Jan. 12, 1948. Records available: 1947-51. No measurement made in 1952.

12-6-16cc. O. Anderson. Dug observation water-table well in alluvium, diameter 4 feet, depth 25 feet, cribbed with rock. Highest water level 6.52 below lsd, July 25, 1951; lowest 24.87 below lsd, Nov. 28, 1947. Records available: 1947-52. Feb. 25, 14.02.

12-7-18aa. Reverend Hendrickson. Drilled observation water-table well in alluvium, diameter 6 inches, depth 50 feet. Highest water level 2.47 below lsd, July 25, 1951; lowest 23.55 below lsd, May 26, 1950. Records available: 1947-52. Feb. 25, 16.96; June 3, 16.39; Sept. 6, 18.68.

12-7-19dd. H. R. Behern. Dug stock and observation water-table well in alluvium, diameter 36 inches, depth 16 feet, cribbed with rock. Highest water level 7.29 below lsd, June 3, 1952; lowest 13.18 below lsd, Jan. 12, 1948. Records available: 1947-52. Feb. 25, 9.06; June 3, 7.29; Sept. 6, 9.52.

12-7-23aa. R. E. Ancell. Dug observation water-table well in terrace gravel, diameter 36 inches, depth 18 feet, cribbed with rock. Highest water level 1.60 below lsd, July 25, 1951; lowest 13.43 below lsd, Jan. 12, 1948. Records available: 1947-52. Feb. 25, 6.21; June 3, 3.85; Sept. 6, 7.26.

12-7-34ad. A. Rittman. Dug observation water-table well in Dakota formation, diameter 4 feet, depth 56 feet, cribbed with rock. Highest water level 47.29 below lsd, June 3, 1952; lowest 51.40 below lsd, Feb. 25, 1952. Records available: 1947-52. Feb. 25, 51.40; June 3, 47.29; Sept. 6, 47.40.

12-8-6aa. Darrell Dean. Drilled domestic and observation water-table well in alluvium, diameter 6 inches, depth 19 feet. Highest water level 5.09 below lsd, May 11, 1951; lowest 10.53 below lsd, Sept. 8, 1947. Records available: 1947-52. Feb. 25, 5.78; June 3, 5.85; Sept. 6, 6.72.

12-8-8cd. S. C. Meredith. Dug observation water-table well in Dakota formation, diameter 4 feet, depth 35 feet, cribbed with rock. Highest water level 2.29 below lsd, July 25, 1951; lowest 14.30 below lsd, Jan. 12, 1948. Records available: 1947-52. Feb. 25, 3.86; June 3, 2.90; Sept. 6, 5.43.

12-8-11cb. Jim and Ed Herby. Dug domestic and stock water-table well in alluvium, diameter 4 feet, depth 32 feet, cribbed with rock. Highest water level 4.76 below lsd, July 25, 1951; lowest 19.48 below lsd, Mar. 17, 1951. Records available: 1947-52. Feb. 25, 17.32; June 3, 16.18; Sept. 6, 17.89.

12-9-10ad. Harry Cromwell. Drilled observation water-table well in alluvium, diameter 6 inches, depth 31 feet. Highest water level 6.41 below lsd, Oct. 22, 1951; lowest 20.26 below lsd, Jan. 12, Apr. 6, 1948. Records available: 1947-52. Feb. 25, 10.75; June 3, 10.68.

12-10-8bb. G. Meitler. Drilled stock water-table well in alluvium, diameter 6 inches, depth 30 feet. Highest water level 9.58 below lsd, Oct. 22, 1951; lowest 16.58 below lsd, Jan. 12, 1948. Records available: 1947-52. Feb. 25, 11.68; Sept. 6, 12.63.

12-10-13aa. Soenger Estate. Drilled stock water-table well in alluvium, diameter 6 inches, depth 30 feet. Highest water level 8.62 below lsd, July 25, 1951; lowest 24.48 below lsd, Jan. 12, 1948. Records available: 1947-52. Feb. 25, 11.46; June 3, 12.38; Sept. 6, 15.34.

12-10-21dd. F. D. Meyer. Dug domestic and stock water-table well in alluvium, diameter 4 feet, depth 32 feet, cribbed with rock. Highest water level 19.58 below lsd, Oct. 22, 1951; lowest 27.85 below lsd, Apr. 26, 1949. Records available: 1947-52. Feb. 25, 21.19; June 3, 21.98; Sept. 6, 23.10.

Linn County

19-24-36aa. Mr. Newby. Dug unused water-table well in Swope limestone, diameter 6 feet, depth 21 feet. Highest water level 6.56 below lsd, Nov. 30, 1951; lowest 14.13 below lsd, Dec. 29, 1950. Records available: 1948-52. Feb. 21, 9.11.

22-25-6cb. E. C. Smith. Dug unused water-table well in Nowata shale and Altamont limestone, diameter 5 feet, depth 16 feet, cribbed with rock. Highest water level 1.99 below lsd, Feb. 21, 1952; lowest 14.62 below lsd, Dec. 29, 1950. Records available: 1948-52. Feb. 21, 1.99.

23-25-7daa. O. M. Grigsby. Dug unused water-table well in Bandera shale, diameter 36 inches, depth 19 feet, cribbed with rock. Highest water level 1.64 below lsd, Mar. 1, 1949; lowest 17.21 below lsd, May 5, 1948. Records available: 1948-52. Feb. 21, 3.14.

Logan County

1. Octon Estate. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 2, T. 11 S., R. 32 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 107 feet. Highest water level 96.42 below lsd, Jan. 22, 1944; lowest 99.29 below lsd, Jan. 6, 1947. Records available: 1942-52. Jan. 16, 96.72; Apr. 9, 96.65; July 14, 96.52; Oct. 14, 96.75.

McPherson County

17-3-17dd. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 39 feet. Highest water level 16.75 below lsd, July 24, 1951; lowest 26.39 below lsd, Mar. 6, 1950. Records available: 1946-52. Feb. 26, 22.89; June 9, 22.57; Sept. 22, 25.37.

17-3-18dd. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 53 feet. Highest water level 17.25 below lsd, Oct. 1, 1951; lowest 28.40 below lsd, Jan. 6, 1948. Records available: 1946-52. Feb. 26, 22.75; June 9, 22.52; Sept. 22, 25.14.

17-3-30dd. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 57 feet. Highest water level 19.09 below lsd, July 24, 1951; lowest 31.36 below lsd, Jan. 6, 1948. Records available: 1946-52. Feb. 26, 25.96; June 9, 26.60; Sept. 22, 28.54.

17-4-25dd. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 50 feet. Highest water level 15.11 below lsd, July 24, 1951; lowest 26.15 below lsd, Nov. 20, 1950. Records available: 1946-52. Feb. 26, 19.47; June 9, 19.82; Sept. 22, 21.78.

Meade County

45. Joseph Rocke. SE¼NE¼ sec. 31, T. 30 S., R. 27 W. Drilled unused water-table well in Meade and Ogallala formations, diameter 3 inches, depth 200 feet. Highest water level 0.42 below lsd, Dec. 20, 1949; lowest 5.59 below lsd, Sept. 3, 1952. Records available: 1939-52. Mar. 19, 0.72; June 9, 1.50; Sept. 3, 5.59; Dec. 10, 3.13.

61. John Meyer. NW¼NW¼ sec. 26, T. 31 S., R. 27 W. Drilled unused water-table well in Meade and Ogallala formations, diameter 6 inches, depth 87 feet. Highest water level 56.74 below lsd, Dec. 10, 1952; lowest 60.77 below lsd, May 17, 1940. Records available: 1939-52. Mar. 19, 56.93; June 9, 56.81; Sept. 3, 56.75; Dec. 10, 56.74.

234. Chris Sobba. NW¼NE¼ sec. 23, T. 30 S., R. 27 W. Drilled unused water-table well in Ogallala formation, diameter 16 inches, depth 210 feet. Highest water level 11.47 below lsd, July 8-11, 1951; lowest 15.57 below lsd, Aug. 31, 1939. Records available: 1939-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.78	12.60	11.89	11.78	11.59	12.03	.....	.....	14.68	14.25	.....	13.38
2	11.80	12.59	11.85	11.77	11.61	12.07	.....	.....	14.60	14.24	.....	13.36
3	11.80	12.53	11.85	11.71	11.62	12.22	.....	.....	14.58	14.18	.....	13.32
4	11.76	12.50	11.86	11.70	11.60	12.22	.....	.....	14.56	14.17	.....	13.32
5	11.80	12.35	11.86	11.63	11.58	12.42	.....	.....	14.57	14.10	.....	13.30
6	11.80	12.48	11.86	11.61	11.58	12.53	.....	.....	.....	14.03	.....	13.26
7	11.76	12.52	11.86	11.58	11.59	13.12	.....	.....	.....	13.97	14.51	13.23
8	11.76	12.52	11.85	12.05	11.61	13.12	.....	.....	.....	13.91	14.47	13.22
9	11.84	12.49	11.81	12.00	12.41	13.08	.....	.....	.....	13.81	14.31	13.25
10	11.84	12.47	11.80	11.80	12.32	13.08	.....	.....	.....	13.77	13.99	13.25
11	11.79	12.41	11.80	11.66	12.08	13.15	.....	.....	.....	13.84	13.81	13.23
12	11.75	12.30	11.80	11.65	12.63	13.15	.....	.....	.....	13.84	13.68	13.26
13	11.75	12.23	11.83	11.65	12.56	.....	.....	.....	.....	13.87	13.56	13.45
14	11.75	12.23	11.82	11.65	12.50	.....	.....	.....	.....	13.90	13.44	13.58
15	11.75	12.20	11.85	11.61	12.52	.....	.....	.....	.....	13.83	13.41	13.58
16	11.75	12.12	11.85	11.63	12.61	.....	.....	.....	.....	13.77	13.36	13.52
17	11.78	12.07	11.80	11.63	12.63	.....	.....	.....	.....	13.83	13.31	13.42
18	11.78	12.01	11.74	11.61	12.63	.....	.....	.....	.....	13.88	14.05	13.63
19	11.79	11.98	11.75	11.59	12.57	.....	.....	.....	.....	13.91	14.49	13.69
20	11.80	11.98	11.79	11.56	12.49	.....	.....	.....	.....	13.91	14.78	13.69
21	11.76	11.97	11.84	11.56	12.61	.....	.....	.....	.....	13.83	15.03	13.60
22	11.83	12.05	11.94	11.56	12.62	.....	.....	.....	.....	13.83	.....	13.45
23	11.83	12.05	11.92	11.56	12.62	.....	.....	.....	.....	13.75	.....	13.35
24	11.83	12.01	11.85	11.56	12.63	.....	.....	.....	.....	13.63	.....	13.33
25	11.76	12.01	11.89	11.56	12.60	.....	.....	.....	.....	13.61	.....	13.32
26	11.83	11.98	12.02	11.58	12.48	.....	.....	.....	14.05	13.57	.....	13.30
27	11.93	11.94	12.02	11.58	12.34	.....	.....	.....	14.08	.....	.....	.....
28	11.96	11.87	11.98	11.60	12.29	.....	.....	.....	14.09	.....	13.57	.....
29	12.07	11.89	11.89	11.60	12.20	.....	.....	15.08	14.11	.....	13.52	.....
30	12.43		11.81	11.59	12.09	.....	.....	14.95	14.18	.....	13.48	.....
31	12.71		11.78		12.03		.....	14.83		.....		.....

Mitchell County

6-8-34ccc. R. L. Metcalf. Dug domestic and stock water-table well, diameter 36 inches, depth 24 feet, cribbed with stone. Highest water level 16.00 below lsd, July 25, 1951; lowest 18.59 below lsd, Feb. 7, 1950. Records available: 1946-52. Feb. 27, 16.96; May 25, 16.63; Sept. 5, 17.83; Dec. 11, 17.00.

6-9-27ab. L. Lowdermilk. Dug unused water-table well, diameter 4 feet, depth 37 feet, cribbed with rock. Highest water level 11.90 below lsd, July 25, 1951; lowest 31.10 below lsd, May 11, 1935. Records available: 1935-52. Feb. 27, 20.05; May 25, 19.65; Sept. 5, 21.66.

6-9-30da. M. D. Vint. Drilled domestic and stock well in alluvium, diameter 6 inches, depth 37 feet. Highest water level 17.90 below lsd, July 25, 1951; lowest 29.30 below lsd, Nov. 29, 1948. Records available: 1946-52. Feb. 27, 21.45; May 25, 22.86; Sept. 5, 24.84; Dec. 11, 26.40.

7-6-30bcc. Dan F. Gise. Dug domestic and stock water-table well in alluvium, diameter 4 feet, depth 35 feet. Highest water level 6.63 below lsd, July 25, 1951; lowest 30.40 below lsd, Feb. 7, 1950. Records available: 1946-52. May 26, 22.43.

7-6-34cba. Thelma Spicker. Drilled stock and observation water-table well in alluvium, diameter 6 inches, depth 43 feet. Highest water level 15.75 below lsd, Oct. 25, 1951; lowest 32.19 below lsd, Nov. 29, 1948. Records available: 1946-52. Feb. 27, 19.40; May 26, 22.71; Sept. 4, 24.50.

7-7-7aaa. A. McDysan. Drilled domestic and stock water-table well in Greenhorn limestone, diameter 6 inches, depth 43 feet. Highest water level 16.05 below lsd, Jan. 22, 1951; lowest 30.35 below lsd, Apr. 21, 1949. Records available: 1946-52. Feb. 27, 23.15; May 25, 23.36; Sept. 6, 24.35; Dec. 11, 25.00.

7-7-15dcc. V. R. Schmidt. Dug observation water-table well in alluvium, diameter 4 feet, depth 28 feet, cribbed with stone. Highest water level 0.55 below lsd, July 25, 1951; lowest 22.90 below lsd, May 27, 1948. Records available: 1946-52. Feb. 27, 10.51; May 26, 10.62; Sept. 4, 13.96.

7-8-5cbb. Paul Meers. Drilled stock water-table well in alluvium, diameter 6 inches, depth 47 feet. Highest water level 17.55 below lsd, Aug. 28, 1951; lowest 29.18 below lsd, Nov. 29, 1948. Records available: 1946-52. Feb. 27, 22.40; May 25, 22.83; Sept. 5, 25.16; Dec. 11, 26.09.

7-9-2bcc. F. Day. Drilled domestic and stock water-table well in alluvium, diameter 12 inches, depth 46 feet, tile casing. Highest water level 8.97 below lsd, July 25, 1951; lowest 33.10 below lsd, June 3, 1950. Records available: 1946-52. Feb. 21, 22.44; May 25, 22.61; Sept. 5, 27.09; Dec. 11, 28.43.

7-10-10ccc. J. P. Kaster. Drilled stock and observation water-table well, diameter 12 inches, depth 41 feet, tile casing. Highest water level 21.55 below lsd, July 25, 1951; lowest 26.84 below lsd, Oct. 14, 1946. Records available: 1946-52. Feb. 27, 23.50; May 25, 23.14; Dec. 11, 24.47.

8-6-12dda. Mrs. R. E. McKee. Dug domestic and stock water-table well in alluvium, diameter 4 feet, depth 35 feet, cribbed with stone. Highest water level 22.43 below lsd, July 25, 1951; lowest 34.13 below lsd, Sept. 29, 1947. Records available: 1946-51. Measurement discontinued.

Morton County

22. E. A. Wilcox. SW¼SE¼SE¼ sec. 14, T. 31 S., R. 43 W. Drilled unused water-table well in Dakota formation, diameter 5 inches, depth 87 feet. Highest water level 69.85 below lsd, May 20, 1952; lowest 74.43 below lsd, Nov. 26, 1947. Records available: 1939-52. Feb. 20, 70.13; May 20, 69.85; Aug. 12, 70.32.

65. John Hentschel. SE¼SE¼NE¼ sec. 8, T. 33 S., R. 42 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 62 feet. Highest water level 50.40 below lsd, Aug. 23, 1951; lowest 54.15 below lsd, Mar. 13, 1941. Records available: 1939-52. Feb. 20, 51.14; May 20, 52.01; Aug. 12, 51.02; Nov. 18, 50.76.

117. W. C. Washburn. SW¼SW¼ sec. 4, T. 35 S., R. 42 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 216 feet. Highest water level 156.93 below lsd, May 20, 1952; lowest 166.54 below lsd, May 25, 1948. Records available: 1939-52. Feb. 20, 158.39; May 20, 156.93; Aug. 12, 157.94.

Ness County

1. J. E. Ficken. NE¼SW¼ sec. 32, T. 20 S., R. 23 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 70 feet. Highest water level 25.58 below lsd, Oct. 24, 1951; lowest 34.91 below lsd, Aug. 27, 1940. Records available: 1940-52. Jan. 23, 26.48; Apr. 17, 27.07; Oct. 22, 29.52.

2. C. L. Whitley. SW¼ sec. 20, T. 20 S., R. 22 W. Dug and drilled irrigation water-table well in alluvium, diameter 20 inches, depth 58 feet. Highest water level 17.81 below lsd, July 12, 1951; lowest 27.03 below lsd, Apr. 18, 1950. Records available: 1940-52. Jan. 23, 20.58; Apr. 17, 20.90; July 30, 22.55; Oct. 22, 23.19.

Norton County

1-21-35dc. H. S. Whitaker. Dug irrigation and observation water-table well in alluvium, diameter 34 inches, depth 48 feet, iron casing. Highest water level 27.45 below lsd, Aug. 26, 1951; lowest 33.74 below lsd, Oct. 7, 1948. Records available: 1946-52. May 24, 28.92.

2-21-1bb. Verner Ross. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 70 feet. Highest water level 18.76 below lsd, July 23, 1951; lowest 28.24 below lsd, Jan. 18, 1951. Records available: 1946-52. May 24, 21.51; Sept. 11, 22.93; Dec. 6, 23.45.

2-21-2bd. Vernon J. Hamilton. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 57 feet. Highest water level 17.69 below lsd, Aug. 26, 1951; lowest 26.19 below lsd, Oct. 7, 1948. Records available: 1946-52. May 24, 21.91; Sept. 11, 23.48; Dec. 6, 24.20.

2-21-11aa. W. B. Woods. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 82 feet. Highest water level 24.37 below lsd, Oct. 23, 1951; lowest 34.85 below lsd, Oct. 7, 1948. Records available: 1945-52. May 24, 26.02.

2-21-18aa. Mr. Hrypkema. Dug unused water-table well in terrace deposits, diameter 12 feet, depth 57 feet. Highest water level 40.37 below lsd, May 24, 1952; lowest 43.48 below lsd, Feb. 9, 1950. Records available: 1947-52. May 24, 40.37; Sept. 11, 40.82; Dec. 6, 42.28.

2-21-19dd. C. C. Alexander. Drilled domestic and stock water-table well in Ogallala formation, diameter 6 inches, depth 79 feet. Highest water level 59.10 below lsd, May 15, 1951; lowest 65.93 below lsd, Jan. 18, 1951. Records available: 1946-52. May 24, 62.27; Sept. 11, 62.10.

2-22-11dc. K. Wilmot. Drilled domestic water-table well in Ogallala formation, diameter 6 inches, depth 79 feet. Highest water level 60.49 below lsd, Dec. 11, 1951; lowest 67.35 below lsd, May 7, 1947. Records available: 1946-52. May 24, 60.58.

2-22-26ac. Percy G. Whitaker. Drilled domestic water-table well in alluvium, diameter 6 inches, depth 53 feet. Highest water level 24.11 below lsd, July 24, 1951; lowest 29.80 below lsd, Apr. 26, 1949. Records available: 1946-52. May 24, 27.90; Sept. 11, 28.56; Dec. 6, 28.20.

2-22-28aa. H. E. Fisher. Drilled observation water-table well in terrace deposits, diameter 5 inches, depth 51 feet. Highest water level 47.30 below lsd, July 31, 1947; lowest 49.70 below lsd, Sept. 2, 1949. Records available: 1947-52. May 24, 48.37; Sept. 11, 48.35; Dec. 6, 47.36.

2-23-36cd. R. L. Brooks. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 69 feet. Highest water level 25.56 below lsd, Oct. 23, 1951; lowest 31.59 below lsd, Mar. 13, 1950. Records available: 1946-52. May 24, 26.20; Sept. 11, 27.62; Dec. 6, 29.85.

3-23-8aa. Mary J. Rogers. Drilled observation water-table well in terrace deposits, diameter 6 inches, depth 59 feet. Highest water level 33.46 below lsd, July 24, 1951; lowest 39.15 below lsd, Jan. 18, 1951. Records available: 1947-52. May 24, 37.74; Sept. 11, 38.45; Dec. 6, 38.95.

Osborne County

6-11-34aa. Wm. E. Lowdon. Dug unused water-table well in terrace alluvium, diameter 28 inches, depth 41 feet, cribbed with rock. Highest water level 27.30 below lsd, Mar. 1, 1952; lowest 39.49 below lsd, Dec. 11, 1952. Records available: 1945-52. Mar. 1, 27.30; May 23, 29.68; Sept. 12, 30.35; Dec. 11, 39.49.

6-12-20bb. C. M. Storer. Drilled stock and observation water-table well in terrace gravels, diameter 12 inches, depth 55 feet, tile casing. Highest water level 34.80 below lsd, July 24, 1951; lowest 43.06 below lsd, Jan. 28, 1946. Records available: 1945-52. Mar. 1, 35.25; May 23, 35.61; Sept. 12, 34.88; Dec. 11, 38.30.

6-12-23cd. C. Fink. Dug domestic water-table well in terrace gravels, diameter 36 inches, depth 32 feet, cribbed with rock. Highest water level 16.68 below lsd, July 24, 1951; lowest 27.17 below lsd, Apr. 26, 1946. Records available: 1945-52. Mar. 1, 19.34; May 23, 19.52; Sept. 12, 20.25; Dec. 11, 20.65.

6-13-12ba. F. L. Smith. Drilled domestic and stock water-table well in alluvium, diameter 8 inches, depth 48 feet, wood casing. Highest water level 31.96 below lsd, May 23, 1952; lowest 42.37 below lsd, Mar. 20, 1951. Records available: 1945-52. Mar. 1, 32.90; May 23, 31.96.

7-11-26aa. W. Sharp. Drilled domestic and stock water-table well in alluvium, diameter 7 inches, depth 27 feet. Highest water level 13.20 below lsd, Jan. 19, 1951; lowest 26.42 below lsd, Nov. 15, 1950. Records available: 1946-52. Mar. 1, 16.95; May 25, 16.68; Dec. 10, 19.60.

7-12-28ab. C. E. Galley. Drilled domestic and stock water-table well in alluvium, diameter 12 inches, depth 47 feet, tile casing. Highest water level 26.44 below lsd, May 25, 1952; lowest 34.60 below lsd, Jan. 7, 1947. Records available: 1946-52. Mar. 1, 27.05; May 25, 26.44; Sept. 12, 29.20; Dec. 10, 30.05.

7-13-15da. J. W. Bathurst. Drilled domestic water-table well in alluvium, diameter 12 inches, depth 53 feet, tile casing. Highest water level 29.14 below lsd, July 25, 1951; lowest 38.94 below lsd, Sept. 30, 1947, Apr. 23, 1949. Records available: 1946-52. Mar. 1, 36.33; May 25, 35.16; Sept. 12, 37.42; Dec. 10, 30.30.

7-14-6cb. J. A. Guttery. Drilled stock and observation water-table well in alluvium, diameter 12 inches, depth 29 feet, tile casing. Highest water level 19.97 below lsd, Aug. 27, 1951; lowest 24.19 below lsd, Nov. 29, 1948. Records available: 1946-52. Mar. 1, 20.69; May 25, 21.43; Sept. 12, 21.05; Dec. 10, 21.35.

7-14-10dd. John Clark. Drilled domestic and observation water-table well in alluvium, diameter 12 inches, depth 38 feet, tile casing. Highest water level 27.69 below lsd, May 25, 1952; lowest 33.18 below lsd, Dec. 9, 1946. Records available: 1946-52. Mar. 1, 30.79; May 25, 27.69; Sept. 12, 28.18; Dec. 10, 28.90.

7-15-8cc. F. Dibble. Dug domestic and stock water-table well in alluvium, diameter 4 feet, depth 26 feet, cribbed with stone. Highest water level 14.80 below lsd, May 26, 1950; lowest 27.75 below lsd, Apr. 12, 1950. Records available: 1946-52. Mar. 1, 20.26; May 25, 20.50; Sept. 12, 20.72; Dec. 10, 21.20.

7-15-12dc. Tom Hale, Jr. Drilled domestic and stock water-table well, diameter 12 inches, depth 36 feet, tile casing. Highest water level 9.97 below lsd, May 25, 1952; lowest 23.85 below lsd, Apr. 12, 1950. Records available: 1946-52. Mar. 1, 12.15; May 25, 9.97; Dec. 10, 21.20.

Pawnee County

7. Ralph Lupfer. NE¼NE¼ sec. 18, T. 22 S., R. 17 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 124 feet. Highest water level 18.95 below lsd, June 25, 1951; lowest 29.17 below lsd, Jan. 20, 1948. Records available: 1940-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	22.15	Apr. 15	22.15	July 28	23.30	Oct. 20	24.37
Feb. 18	22.30	May 21	21.46	Aug. 20	24.54	Nov. 17	24.31
Mar. 10	22.40	June 24	23.17	Sept. 17	24.34	Dec. 17	24.40

8. F. B. Reed. NW¼NW¼ sec. 6, T. 22 S., R. 16 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 34 feet. Highest water level 7.01 below lsd, Aug. 29, 1950; lowest 18.32 below lsd, Sept. 20, 1940. Records available: 1940-52.

Jan. 21	11.83	May 21	11.67	Sept. 17	14.13	Nov. 17	14.37
Feb. 18	12.06	July 28	13.41	Oct. 20	14.35	Dec. 17	14.17
Apr. 15	12.25	Aug. 20	13.74				

Phillips County

1-19-19cc. Al Skelton. Dug stock and observation water-table well in Ogallala formation, diameter 10 to 8 feet, depth 33 feet. Highest water level 11.38 below lsd, Oct. 23, 1951; lowest 26.01 below lsd, Nov. 19, 1950. Records available: 1947-52. May 24, 11.39; Sept. 11, 12.83; Dec. 6, 11.85.

1-20-30cc. C. C. Williams. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 85 feet. Highest water level 76.69 below lsd, Jan. 18, 1951; lowest 79.16 below lsd, Nov. 19, 1950. Records available: 1947-52. May 24, 77.24; Sept. 11, 76.75.

4-17-25cd. Minnie Gray. Drilled domestic and stock water-table well in high terrace gravel, diameter 10 inches, depth 91 feet. Highest water level 76.19 below lsd, Aug. 27, 1951; lowest 86.27 below lsd, Sept. 25, 1946. Records available: 1946-48, 1950-51. Measurement discontinued.

4-17-31bc. C. B. Brower. Drilled domestic and stock water-table well in terrace gravel, diameter 8 inches, depth 61 feet, tile casing. Highest water level 47.15 below lsd, Aug. 27, 1951; lowest 52.72 below lsd, Oct. 6, 1948. Records available: 1946-51. No measurement made in 1952.

4-18-30ab. Sutley Estate. Dug unused water-table well in alluvium, depth 37 feet. Highest water level 4.76 below lsd, July 25, 1951; lowest 20.29 below lsd, Sept. 25, 1946. Records available: 1945-52. May 24, 6.40; Sept. 11, 9.14.

4-19-35ab. Glenn Seeger. Drilled domestic and stock water-table well in alluvium, diameter 10 inches, depth 35 feet. Highest water level 7.43 below lsd, May 24, 1952; lowest 15.78 below lsd, Jan. 19, 1951. Records available: 1946-52. May 24, 7.43; Sept. 11, 9.93.

4-20-21cc. Fred Albrecht. Drilled domestic water-table well in Sanborn formation, diameter 8 inches, depth 152 feet. Highest water level 47.66 below lsd, Sept. 11, 1952; lowest 48.92 below lsd, Feb. 6, 1946. Records available: 1946-52. May 24, 47.71; Sept. 11, 47.66.

5-17-3cd. Mrs. V. Van Ellen and others. Dug unused water table well in alluvium, diameter 5 feet, depth 66 feet, cribbed with rock. Highest water level 1.18 below lsd, May 6, 1947; lowest 27.00 below lsd, June 12, 1946. Records available: 1945-52. Sept. 11, 4.93.

5-17-12aa. E. R. Downing and others. Dug domestic and stock water-table well in Sanborn formation, diameter 36 inches, depth 55 feet. Highest water level 46.29 below lsd, May 14, 1951; lowest 54.20 below lsd, Sept. 30, 1947. Records available: 1946-51. No measurement made in 1952.

Pratt County

26-13-33bad. E. R. Taylor. Drilled industrial and observation water-table well in dune sand of Quaternary age and Ogallala formation, diameter 8 inches, depth 74 feet. Highest water level 33.15 below lsd, Jan. 21, 1952; lowest 37.55 below lsd, June 14, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	33.15	Apr. 15	33.68	July 28	33.55	Oct. 8	33.78
Feb. 28	33.25	May 21	33.29	Aug. 21	33.56	Nov. 20	34.02
Mar. 20	33.59	June 10	33.47	Sept. 4	33.78	Dec. 11	34.10

Republic County

1-5-7bb. U. S. Geol. Survey. Driven and drilled observation water-table well in fine sand, diameter $1\frac{1}{4}$ inches, depth 13 feet. Highest water level 3.20 below lsd, July 24, 1951; lowest 8.83 below lsd, Nov. 2, 1948. Records available: 1947-52. May 1, 4.28; May 29, 5.18; June 26, 6.46; July 24, 6.52; Aug. 20, 7.38.

1-5-7cb. U. S. Geol. Survey. Drilled observation water-table well in loess and silt, diameter $1\frac{1}{4}$ inches, depth 25 feet. Highest water level 15.38 below lsd, July 24, 1951; lowest 22.04 below lsd, Feb. 7, 1949. Records available: 1947-52.

Jan. 14	18.16	May 29	16.95	July 24	17.95	Sept. 18	19.71
Apr. 3	17.74	June 26	17.72	Aug. 20	18.90	Oct. 21	20.42
May 1	16.82						

Rice County

18-6-13bc. F. Kasparek. Drilled unused water-table well in Kiowa shale, diameter 6 inches, depth 107 feet. Highest water level 10.17 below lsd, Oct. 23, 1951; lowest 13.14 below lsd, Jan. 6, 1948. Records available: 1946-52. Feb. 27, 10.44; June 4, 10.36; Sept. 8, 10.67.

18-7-10ad. G. J. O'Neill. Dug unused water-table well in Dakota formation, diameter 4 feet, depth 47 feet, cribbed with rock. Highest water level 29.97 below lsd, July 31, 1951; lowest 43.54 below lsd, Sept. 16, 1946. Records available: 1946-52. Feb. 27, 40.61; June 4, 40.62; Sept. 8, 42.47.

18-8-10dc. C. Dobrinski. Dug unused water-table well in terrace deposit of Quaternary age, diameter 36 inches, depth 59 feet. Highest water level 38.90 below lsd, Dec. 7, 1952; lowest 42.18 below lsd, Dec. 5, 1946. Records available: 1946-52. Feb. 27, 39.27; Sept. 8, 39.18; Dec. 7, 38.90.

19-6-13dd. W. M. Myers. Drilled unused water-table well in shale of Permian age, diameter 8 inches, depth 77 feet. Highest water level 31.80 below lsd, Dec. 7, 1952; lowest 41.12 below lsd, Jan. 6, 1948. Records available: 1946-52. Feb. 27, 39.89; June 4, 39.83; Sept. 8, 40.30; Dec. 7, 31.80.

19-7-24ab. J. P. Pulliam. Dug unused water-table well from sandstone in Kiowa shale, diameter 36 inches, depth 41 feet, cribbed with brick. Highest water level 24.75 below lsd, July 31, 1951; lowest 42.81 below lsd, Feb. 27, 1952. Records available: 1946-52. Feb. 27, 42.81; June 4, 31.11; Sept. 8, 32.64.

19-10-22bc. J. R. Bowman. Drilled unused water-table well in terrace gravel, diameter 8 inches, depth 68 feet. Highest water level 1.02 below lsd, Sept. 23, 1950; lowest 8.00 below lsd, Oct. 4, 1946. Records available: 1946-52. Feb. 27, 2.88; June 4, 2.67; Sept. 8, 5.00; Dec. 7, 5.35.

20-6-23cd. School District. Drilled unused water-table well in Ninnescah shale, depth 75 feet. Highest water level 4.57 below lsd, Apr. 7, 1948; lowest 21.90 below lsd, Apr. 15, 1950. Records available: 1946-52. Feb. 27, 15.49; June 4, 7.81; Sept. 8, 13.89.

20-10-28ba. H. Thompson. Drilled unused water-table well in terrace gravel, diameter 8 inches, depth 30 feet. Highest water level 8.85 below lsd, July 30, 1951; lowest 13.39 below lsd, Oct. 4, 1946. Records available: 1946-52. Feb. 27, 11.77; June 4, 11.90; Sept. 8, 12.82; Dec. 7, 13.05.

21-8-20cc. R. J. Dill. Drilled unused water-table well in alluvium, diameter 14 inches, depth 39 feet. Highest water level 4.98 below lsd, Aug. 5, 1948; lowest 8.76 below lsd, Oct. 3, 1947. Records available: 1946-52. Feb. 27, 6.36; June 4, 6.60; Sept. 8, 8.42; Dec. 7, 8.10.

Russell County

45. Jacob Flegler. NW¼NW¼ sec. 11, T. 15 S., R. 14 W. Dug stock water-table well in alluvium, diameter 28 to 32 inches, depth 27 feet, cribbed with rock. Highest water level 18.39 below lsd, July 12, 1945; lowest 24.28 below lsd, Aug. 20, 1941. Records available: 1941-52. Jan. 22, 20.44; Apr. 16, 19.78; July 29, 20.07; Oct. 21, 22.40.

80. Joseph Furthmyer, Jr. SE¼SE¼ sec. 9, T. 14 S., R. 15 W. Dug unused water-table well in deposits of Tertiary age, diameter 5 feet, depth 15 feet, cribbed with rock. Highest water level 3.40 below lsd, Apr. 14, 1942; lowest 7.76 below lsd, June 29, 1943. Records available: 1941-52. Jan. 22, 5.87; Apr. 17, 4.35; July 29, 5.55; Oct. 21, 5.95.

81. Joseph Furthmyer, Jr. SE¼SE¼ sec. 9, T. 14 S., R. 15 W. Drilled stock water-table well in Dakota formation, diameter 6 inches, depth 224 feet. Highest water level 101.85 below lsd, Aug. 29, 1941; lowest 134.71 below lsd, July 10, 1947. Records available: 1941-52. Jan. 22, 118.92; July 29, 119.26; Oct. 21, 121.01.

117. Marie Dutt and others. SE¼NE¼ sec. 18, T. 13 S., R. 14 W. Dug unused water-table well in alluvium, diameter 26 to 32 inches, depth 14 feet, cribbed with rock. Highest water level 4.70 below lsd, Apr. 13, 1942; lowest 10.61 below lsd, Dec. 20, 1943. Records available: 1941-52. Jan. 22, 6.14; July 29, 6.32; Oct. 21, 6.58.

146. D. P. Steinle. NW¼NE¼ sec. 24, T. 14 S., R. 12 W. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 28 inches, depth 17 feet, cribbed with rock. Highest water level 12.60 below lsd, July 29, 1952; lowest 16.20 below lsd, Sept. 1, 1942. Records available: 1941-52. Jan. 22, 12.98; July 29, 12.60; Oct. 21, 12.80.

148. John Penix. NE¼SE¼ sec. 13, T. 14 S., R. 13 W. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diameter 28 to 36 inches, depth 12 feet, cribbed with rock. Highest water level 3.13 below lsd, Apr. 16, 1952; lowest 7.92 below lsd, Oct. 2, 1941. Records available: 1941-52. Jan. 22, 4.54; Apr. 16, 3.13; July 29, 5.70; Oct. 21, 6.18.

149. George Boxberger, Jr. NE¼NE¼ sec. 22, T. 14 S., R. 14 W. Dug unused water-table well in Greenhorn limestone, diameter 32 to 36 inches, depth 23 feet, cribbed with rock. Highest water level 17.24 below lsd, July 29, 1952; lowest 21.54 below lsd, June 29, 1943. Records available: 1941-52. Jan. 22, 17.69; Apr. 16, 17.50; July 29, 17.24; Oct. 21, 17.76.

152. D. D. Beisel. SW¼SW¼ sec. 10, T. 14 S., R. 12 W. Dug unused water-table well in Greenhorn limestone, diameter 28 to 32 inches, depth 31 feet, cribbed with rock. Highest water level 6.13 below lsd, July 23, 1951; lowest 26.45 below lsd, Sept. 22, 1941. Records available: 1941-52. Jan. 22, 9.72. Measurement discontinued.

Saline County

15-2-17cd. U. S. Geol. Survey. Driven and drilled observation water-table well in alluvium and terrace deposits, diameter 1¼ inches, depth 31 feet. Highest water level 9.58 below lsd, Oct. 1, 1951; lowest 25.44 below lsd, Jan. 6, 1948. Records available: 1946-52. Feb. 26, 18.76; June 9, 18.43; Sept. 22, 22.39.

15-2-18cd. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 45 feet. Highest water level 11.50 below lsd, Sept. 18, 1951; lowest 25.50 below lsd, Jan. 6, 1948. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	18.79	Apr. 23	18.55	June 30	19.68	Nov. 3	22.88
Feb. 23	19.28	May 20	17.98	Aug. 16	21.35	27	23.02
26	19.34	June 9	18.42	Sept. 22	22.00	Dec. 15	23.25
Mar. 19	18.97						

15-2-30dc. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 37 feet. Highest water level 6.56 below lsd, July 24, 1951; lowest 22.42 below lsd, Sept. 5, 1946. Records available: 1946-52. Feb. 26, 16.45; June 9, 15.64; Sept. 22, 18.80.

15-3-24dd. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 35 feet. Highest water level 4.30 below lsd, July 24, 1951; lowest 20.64 below lsd, Jan. 6, 1948. Records available: 1946-52. Feb. 26, 12.43; June 9, 12.55; Sept. 22, 15.37.

15-3-36ab. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 45 feet. Highest water level 17.57 below lsd, Nov. 9, 1951; lowest 27.35 below lsd, Jan. 6, 1948. Records available: 1946-52. Feb. 26, 19.38; June 9, 19.00; Sept. 22, 21.85.

16-2-7bb. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 31 feet. Highest water level 10.29 below lsd, July 24, 1951; lowest 22.08 below lsd, Aug. 1, 1946. Records available: 1946-52. Feb. 26, 15.71; June 9, 15.19; Sept. 22, 17.53.

16-2-18cc. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 36 feet. Highest water level 11.76 below lsd, Aug. 17, 1951; lowest 26.52 below lsd, Dec. 1, 1947. Records available: 1946-52. Feb. 26, 22.54; June 9, 21.78; Sept. 22, 25.01.

16-2-19ab. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 36 feet. Highest water level 10.03 below lsd, Aug. 17, 1951; lowest 24.67 below lsd, Dec. 1, 1947. Records available: 1946-52. Feb. 26, 21.10; June 9, 19.72; Sept. 22, 22.14.

16-3-13cd. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 48 feet. Highest water level 11.64 below lsd, Oct. 1, 1951; lowest 24.38 below lsd, Jan. 6, 1948. Records available: 1946-52. Feb. 26, 18.13; June 9, 17.84; Sept. 22, 21.20.

16-3-26dc. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 26 feet. Highest water level 4.96 below lsd, July 24, 1951; lowest 21.60 below lsd, Jan. 6, 1948. Feb. 26, 16.94; June 9, 16.06; Sept. 22, 20.49.

16-3-34dd. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter $1\frac{1}{4}$ inches, depth 44 feet. Highest water level 5.80 below lsd, July 24, 1951; lowest 23.15 below lsd, Jan. 6, 1948. Records available: 1946-52. Feb. 26, 17.86; June 9, 17.29; Sept. 22, 20.16.

Scott County

1. Mrs. Rosine Smith. $NW\frac{1}{4}$ sec. 9, T. 20 S., R. 33 W. Drilled observation water-table well in Ogallala formation, diameter 24 inches, depth 100 feet. Highest water level 55.89 below lsd, May 14, 16, 1934; lowest 68.46 below lsd, Nov. 4, 1947. Records available: 1931-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	63.87	Apr. 10	64.42	July 14	63.65	Oct. 14	64.60
Feb. 27	63.60	May 26	63.37	Aug. 25	65.50	Nov. 10	65.48
Mar. 18	64.01	June 11	64.16	Sept. 23	65.17	Dec. 22	65.07

1A. Division of Water Resources. $NW\frac{1}{4}SW\frac{1}{4}$ sec. 3, T. 20 S., R. 33 W. Drilled observation water-table well in Ogallala formation, diameter 7 inches, depth 69 feet. Highest water level 53.42 below lsd, Aug. 16, 18, 1940; lowest 58.99 below lsd, Aug. 6, 7, 1950. Records available: 1940-52.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	55.07	54.95	54.83	54.74	54.62	54.67	54.89	55.25	55.73	56.17	56.47
2	.....	55.04	54.95	54.80	54.75	54.61	54.69	54.90	55.23	55.75	56.21	56.50
3	.....	55.09	54.96	54.80	54.73	54.59	54.73	54.93	55.24	55.76	56.21	56.50
4	.....	55.08	54.96	54.81	54.73	54.59	54.71	54.94	55.24	55.79	56.18	56.49
5	.....	55.08	54.95	54.80	54.73	54.61	54.70	54.97	55.26	55.81	56.21	56.48
6	.....	55.10	54.95	54.80	54.72	54.61	54.68	54.98	55.27	55.84	56.26	56.47
7	.....	55.07	54.94	54.79	54.72	54.60	54.78	54.96	55.27	55.84	56.21	56.50
8	.....	55.06	54.93	54.78	54.72	54.61	54.75	55.02	55.28	55.83	56.27	56.51
9	.....	55.06	54.89	54.82	54.72	54.60	54.72	55.02	55.29	55.86	56.28	56.51
10	.....	55.04	54.89	54.79	54.72	54.59	54.72	55.03	55.30	55.86	56.32	56.51
11	.....	55.04	54.87	54.76	54.72	54.58	54.72	55.08	55.30	55.86	56.32	56.53
12	.....	55.02	54.87	54.79	54.72	54.58	54.73	55.06	55.30	55.89	56.33	56.53
13	.....	55.01	54.91	54.79	54.70	54.58	54.77	55.07	55.33	55.93	56.33	56.54
14	.....	55.03	54.91	54.79	54.68	54.59	54.77	55.06	55.38	55.96	56.35	56.52
15	.....	55.03	54.90	54.77	54.66	54.56	54.74	55.11	55.36	55.95	56.35	56.52
16	55.13	55.02	54.85	54.78	54.67	54.63	54.72	55.11	55.37	55.96	56.37	56.50
17	55.18	55.00	54.81	54.78	54.69	54.61	54.73	55.14	55.40	55.99	56.37	56.52
18	55.14	54.99	54.80	54.76	54.68	54.59	54.74	55.13	55.42	55.99	56.40	56.52
19	55.14	55.01	54.79	54.76	54.66	54.69	54.73	55.13	55.42	56.01	56.41	56.52
20	55.15	55.02	54.82	54.77	54.62	54.54	54.73	55.18	55.49	56.03	56.41	56.53
21	55.10	54.99	54.82	54.77	54.61	54.57	54.75	55.17	55.50	56.05	56.42	56.50
22	55.16	55.00	54.84	54.77	54.62	54.54	54.77	55.17	55.53	56.06	56.42	56.50
23	55.16	54.98	54.81	54.77	54.60	54.53	54.82	55.16	55.55	56.07	56.45	56.51
24	55.10	55.01	54.79	54.77	54.62	54.53	54.79	55.18	55.58	56.08	56.45	56.52
25	55.09	55.01	54.80	54.77	54.60	54.55	54.79	55.20	55.59	56.08	56.44	56.52
26	55.12	54.98	54.82	54.73	54.59	54.58	54.82	55.19	55.61	56.09	56.43	56.52
27	55.14	54.98	54.81	54.75	54.65	54.58	54.81	55.19	55.63	56.13	56.44	56.52
28	55.12	54.97	54.80	54.74	54.63	54.62	54.83	55.20	55.67	56.13	56.44	56.50
29	55.11	55.01	54.80	54.74	54.57	54.63	54.83	55.20	55.70	56.13	56.45	56.49
30	55.10		54.80	54.74	54.58	54.64	54.86	55.19	55.70	56.13	56.48	56.49
31	55.07		54.81		54.61		54.88	55.30		56.16		56.49

2. E. E. Coffin. $NE\frac{1}{4}SE\frac{1}{4}$ sec. 25, T. 18 S., R. 33 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 18 inches, depth 44 feet. Highest water level 20.48 below lsd, June 11, 1952; lowest 40.81 below lsd, Dec. 11, 1947. Records available: 1934-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	21.56	May 26	20.66	Aug. 25	22.24	Oct. 14	23.28
Feb. 27	21.06	June 11	20.48	Sept. 23	22.78	Nov. 10	23.84
Mar. 18	20.89	July 14	21.46				

2A. State of Kansas. $SE\frac{1}{4}$ sec. 26, T. 18 S., R. 33 W. Drilled observation water-table well, diameter 8 inches, depth 60 feet. Highest water level 19.85 below lsd, May 8, 1952; lowest 38.33 below lsd, Sept. 16, 1946. Records available: 1944-52.

2A--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.95	20.54	20.17	20.21	19.91	20.08	20.71	20.94	21.41	21.90	22.22	.....
2	20.94	20.33	20.19	20.08	19.95	20.06	20.73	20.90	21.39	21.94	22.36	.....
3	20.85	20.54	20.30	20.04	19.93	20.08	20.86	20.96	21.35	21.84	22.42	.....
4	20.72	20.50	20.33	20.18	19.86	20.07	20.79	20.99	21.33	21.92	22.33	.....
5	20.78	20.48	20.30	20.14	19.88	20.15	20.74	21.00	21.39	21.95	22.33	.....
6	20.71	20.53	20.32	20.09	19.87	20.18	20.70	21.03	21.45	22.00	22.46	.....
7	20.58	20.42	20.27	20.02	19.88	20.16	20.85	20.96	21.43	21.98	22.43	.....
8	20.71	20.46	20.17	20.00	19.85	20.21	20.85	21.03	21.43	21.93	22.47	.....
9	20.90	20.41	20.09	20.24	19.95	20.21	20.77	21.05	21.45	21.95	22.55	.....
10	20.75	20.40	20.17	20.14	20.05	20.19	20.73	20.99	21.45	21.95	22.56	.....
11	20.67	20.36	20.15	19.91	19.96	20.23	20.75	21.10	21.45	22.00	22.58	.....
12	20.68	20.25	20.12	20.01	19.96	20.25	20.78	21.10	21.39	21.98	22.59	.....
13	20.59	20.33	20.37	20.15	19.91	20.29	20.79	21.06	21.49	22.00	22.58	.....
14	20.66	20.48	20.33	20.15	19.86	20.34	20.87	21.04	21.59	22.08	22.64	.....
15	20.71	20.43	20.36	20.08	19.84	20.33	20.79	21.11	21.55	22.07	22.63	.....
16	20.63	20.31	20.16	20.12	19.98	20.49	20.75	21.12	21.47	21.98	22.68	.....
17	20.74	20.24	20.02	20.10	20.09	20.49	20.80	21.15	21.49	22.13	22.73	.....
18	20.60	20.32	20.13	20.05	20.06	20.46	20.83	21.19	21.55	22.14	22.80	.....
19	20.63	20.39	20.15	20.00	19.97	20.50	20.81	21.14	21.57	22.12	22.83	.....
20	20.65	20.40	20.19	20.00	19.87	20.43	20.79	21.15	21.66	22.15	22.80	.....
21	20.51	20.31	20.20	20.01	19.86	20.52	20.83	21.27	21.69	22.15	22.80	.....
22	20.72	20.34	20.25	20.12	19.99	20.53	20.86	21.29	21.68	22.14	22.87	23.16
23	20.73	20.30	20.13	20.09	20.02	20.55	20.99	21.30	21.63	22.15	22.90	23.20
24	20.56	20.35	20.08	20.07	20.06	20.55	20.89	21.22	21.66	22.11	22.85	23.23
25	20.47	20.37	20.16	20.02	20.03	20.64	20.86	21.22	21.70	22.13	22.83	23.24
26	20.62	20.26	20.22	19.91	19.96	20.66	20.94	21.24	21.75	22.15	22.94	23.24
27	20.69	20.17	20.17	19.87	20.10	20.69	20.90	21.26	21.78	22.23	22.98	23.25
28	20.62	20.18	20.08	19.90	20.08	20.76	20.91	21.32	21.83	22.25	.....	23.23
29	20.54	20.28	20.01	19.92	19.95	20.75	20.93	21.28	21.87	22.17	.....	23.20
30	20.51		19.99	19.94	19.96	20.72	20.96	21.27	21.87	22.15	.....	23.24
31	20.44		20.10		20.12		20.96	21.30		22.24		23.35

3. Claude Hughes. SW¼SW¼ sec. 21, T. 18 S., R. 33 W. Drilled irrigation water-table well in sand and gravel, diameter 18 inches, depth 138 feet. Highest water level 67.94 below lsd, May 30, 1934; lowest 91.99 below lsd, Oct. 13, 1948. Records available: 1934, 1939-51. No measurement made in 1952.

19. Mr. Fouquet. SE¼NE¼ sec. 12, T. 18 S., R. 33 W. Drilled irrigation water-table well in Ogallala formation, diameter 12 inches, depth 71 feet. Highest water level 43.38 below lsd, May 26, 1952; lowest 58.09 below lsd, Feb. 17, 1949. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	45.81	Apr. 9	43.85	July 14	47.13	Oct. 14	48.76
Feb. 27	46.10	May 26	43.38	Aug. 25	49.05	Nov. 10	49.68
Mar. 18	43.68	June 11	43.40	Sept. 23	49.71	Dec. 22	47.43

32. E. J. Roark. NW¼SE¼ sec. 25, T. 19 S., R. 33 W. Drilled observation water-table well in Ogallala formation, diameter 1¼ inches, depth 45 feet. Highest water level 31.06 below lsd, June 18, 1951; lowest 44.88 below lsd, Dec. 16, 1949. Records available: 1939-52.

Jan. 16	37.92	Apr. 20	37.37	July 14	37.62	Oct. 14	38.71
Feb. 27	37.45	May 26	37.34	Aug. 25	37.99	Nov. 10	38.82
Mar. 18	37.39	June 11	37.38	Sept. 23	38.52	Dec. 22	38.81

48. P. Roark. NE¼ sec. 25, T. 20 S., R. 33 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 35 feet. Highest water level 25.82 below lsd, Sept. 27, 1951; lowest 31.52 below lsd, Apr. 24, 1944. Records available: 1939-52.

Jan. 16	27.60	Apr. 10	27.56	July 14	28.15	Oct. 14	29.30
Feb. 27	27.41	May 26	27.55	Aug. 25	28.94	Nov. 10	29.41
Mar. 18	27.41	June 11	27.65	Sept. 23	29.15	Dec. 22	30.09

50. F. M. Houstin. SW¼SE¼ sec. 28, T. 19 S., R. 32 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 129 feet. Highest water level 86.40 below lsd, Oct. 14, 1952; lowest 97.95 below lsd, Aug. 6, 1943. Records available: 1939-52. Jan. 16, 87.28; Apr. 10, 87.18; July 14, 86.63; Oct. 14, 86.40.

Sedgwick County

12. Dr. A. D. Updegraph. NW¼SE¼ sec. 26, T. 25 S., R. 1 W. Drilled observation water-table well in gravel and alluvium, diameter 24 inches, depth 54 feet. Highest water level 10.05 below lsd, July 25, 1951; lowest 18.99 below lsd, Apr. 1, 2, 8, 9, 11, 12, 1938. Records available: 1937-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	14.69	Apr. 3	15.58	Aug. 1	16.51	Oct. 30	17.29
25	15.02	26	15.63	22	16.75	Nov. 22	22.60
Feb. 1	15.13	May 1	15.65	Sept. 4	16.99	25	17.57
25	15.49	24	15.80	25	17.06	Dec. 5	17.69
29	15.51	June 3	15.86	Oct. 1	17.15	24	17.74
Mar. 24	15.50	July 2	16.15	23	17.24	30	17.73

26. Wichita Water Co. SW¼SW¼ sec. 18, T. 27 S., R. 1 E. Drilled observation water-table well in alluvium, diameter 26 inches, depth 47 feet. Highest water level 4.24 below lsd, July 2, 1951; lowest 23.69 below lsd, Jan. 29, 1939. Records available: 1937-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.56	11.54	11.84	11.61	11.55	11.62	19.25	15.69	17.29	14.07	13.53	14.04
2	11.65	11.54	11.82	11.62	11.55	.....	18.50	15.50	16.45	14.10	13.51	13.92
3	11.69	11.56	11.82	11.65	11.55	11.84	18.41	15.31	15.48	14.10	13.51	14.03
4	11.71	11.58	11.82	11.70	11.54	12.00	17.18	15.26	15.04	14.19	13.48	14.15
5	11.70	11.58	11.85	11.71	12.85	12.06	16.40	15.16	14.89	.....	13.45	14.19
6	11.71	11.59	11.88	11.98	13.64	12.10	.....	15.12	14.75	.....	13.45	14.21
7	11.69	11.58	11.88	12.19	12.71	12.13	.....	15.05	14.76	.....	13.44	14.24
8	11.67	11.60	11.78	12.37	12.31	12.19	.....	15.04	14.75	.....	13.42	14.29
9	11.64	11.60	11.73	12.50	12.20	12.22	.....	14.98	14.78	.....	13.42	14.37
10	11.62	11.59	11.62	12.54	12.15	12.27	.....	14.91	14.82	.....	13.40	14.41
11	11.56	11.60	11.53	12.57	12.07	12.35	.....	14.75	14.84	14.10	13.38	14.56
12	11.54	11.60	11.39	12.60	12.00	14.10	.....	14.60	14.88	14.07	13.36	14.74
13	11.51	11.61	11.41	.....	11.99	16.97	.....	14.34	14.94	14.02	13.34	14.92
14	11.44	11.61	11.41	12.38	12.83	17.09	.....	14.60	14.96	13.99	13.33	.....
15	11.38	11.62	11.42	12.35	12.83	.....	.....	14.68	14.95	13.98	13.32	15.01
16	11.31	11.68	11.43	12.16	11.24	.....	.....	15.00	14.84	13.94	13.30	15.01
17	11.33	11.62	11.46	12.02	11.19	.....	.....	15.52	14.82	13.90	13.28	15.03
18	11.33	11.70	11.52	13.50	.....	.....	.....	14.87	14.80	13.87	13.28	15.06
19	11.31	11.70	11.52	15.14	.....	.....	14.40	14.75	14.74	13.82	13.27	15.11
20	11.31	11.71	11.52	15.47	.....	.....	14.02	14.73	14.62	13.79	13.25	15.14
21	11.29	11.72	11.47	14.15	.....	18.37	13.94	14.81	14.56	13.76	13.24	15.17
22	11.33	11.73	11.45	14.60	.....	17.85	14.10	14.81	14.45	13.73	13.23	15.23
23	11.35	11.75	11.45	15.01	.....	17.50	15.34	14.81	14.36	13.70	13.23	15.25
24	11.40	11.76	11.46	13.42	12.02	18.16	15.10	14.78	14.28	13.67	13.21	15.24
25	11.46	11.77	11.48	12.47	12.02	18.55	16.45	14.67	14.20	13.63	14.25	15.06
26	11.49	11.78	11.48	11.99	11.95	18.59	16.65	14.54	14.13	13.62	15.49	14.89
27	11.50	11.78	11.48	11.76	11.91	18.67	16.94	14.43	14.07	13.61	14.95	14.75
28	11.50	11.81	11.50	11.65	11.83	18.65	17.30	14.41	14.08	13.60	14.68	14.73
29	11.51	11.84	11.54	11.58	11.63	18.98	17.55	14.38	14.08	13.58	14.45	14.69
30	11.52		11.55	11.55	11.50	19.18	17.07	14.36	14.05	13.55	14.19	14.66
31	11.53		11.61		.....		16.02	16.20		13.54		14.60

307. J. R. Clark. NW¼NW¼SW¼ sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in gravel and alluvium, diameter 6 inches, depth 92 feet. Highest water level 9.08 below lsd, May 12, 13, 20, 1945; lowest 23.69 below lsd, Oct. 28-31, 1952. Records available: 1937-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.73	20.06	19.51	20.88	20.55	21.23	21.72	22.04	22.47	23.10	23.44	23.00
2	18.73	20.06	19.50	.....	20.50	21.27	21.73	22.05	22.47	23.10	23.43	23.00
3	18.73	.....	20.48	20.97	20.52	21.32	21.80	22.05	22.51	23.10	23.42	23.00
4	18.73	.....	20.45	20.98	20.61	21.32	21.80	22.12	22.53	23.11	23.40	22.92
5	18.73	20.06	20.39	21.03	20.69	21.36	21.79	22.12	22.53	23.11	23.40	22.91
6	18.73	20.06	20.39	21.05	20.76	26.36	21.77	22.12	22.56	23.11	23.40	22.90
7	18.73	.....	20.39	21.05	20.81	21.39	21.78	22.13	22.56	23.13	23.40	22.89
8	18.73	.....	20.33	21.05	20.90	21.39	21.78	22.13	22.67	23.19	23.41	22.83
9	18.73	19.51	20.29	21.08	20.90	21.39	21.77	22.17	22.72	23.22	23.41	22.83
10	18.73	19.51	20.22	.....	21.00	21.39	21.78	22.19	22.73	23.25	23.41	22.80

307--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	19.02	19.51	20.28	.....	21.02	21.39	21.81	22.19	22.80	23.25	23.41	22.79
12	19.02	19.51	20.37	.....	21.02	21.52	21.83	22.19	22.83	23.25	23.41	22.75
13	19.03	19.51	20.40	20.86	21.06	21.58	21.83	22.19	22.86	23.25	23.40	22.72
14	19.12	19.51	20.44	20.78	21.09	21.58	21.82	22.22	22.87	23.25	23.40	22.71
15	19.15	19.52	20.46	20.77	.....	21.46	21.81	22.23	22.97	23.27	23.40	22.68
16	19.19	19.94	20.35	20.79	21.18	21.37	21.81	22.27	23.00	23.27	23.40	22.68
17	19.26	19.94	20.24	20.79	21.18	.....	21.81	22.29	23.03	23.27	23.41	22.68
18	19.31	19.94	20.28	20.78	21.18	21.20	21.79	22.29	23.03	23.26	23.41	22.67
19	19.36	19.94	20.35	20.71	21.16	21.27	21.75	22.32	23.03	23.26	23.42	22.66
20	19.38	19.94	20.39	20.58	21.16	21.35	21.72	22.35	23.05	23.25	23.44	22.66
21	19.42	19.94	20.46	20.57	21.16	21.44	21.69	22.38	23.05	23.27	23.44	22.66
22	19.51	19.94	20.49	20.57	21.16	21.46	21.67	22.39	23.05	23.27	23.44	22.58
23	19.53	.....	20.53	20.49	21.18	21.46	21.69	22.43	23.05	23.28	23.44	22.58
24	19.57	20.20	20.58	20.50	21.18	21.55	21.74	22.43	23.05	23.29	23.42	22.58
25	19.65	20.28	20.63	20.56	21.17	21.57	21.80	22.43	23.05	23.42	23.40	22.53
26	19.68	20.36	20.65	20.66	21.16	21.61	21.85	22.45	23.05	.....	23.36	22.45
27	19.69	20.40	20.71	20.67	21.18	21.63	21.89	22.48	23.05	.....	23.25	22.43
28	19.80	19.51	20.73	20.68	21.22	21.64	21.93	22.48	23.05	23.69	23.23	22.43
29	19.87	19.51	20.75	20.68	21.23	21.66	21.97	22.48	23.11	23.69	23.23	22.40
30	19.90		20.80	20.65	21.23	21.68	22.00	22.48	23.10	23.69	23.17	22.35
31	19.99		20.81		21.23		.....	22.48		23.69		22.21

502. Kansas Gas & Electric Co. NW¼NW¼ sec. 29, T. 26 S., R. 1 E. Drilled industrial water-table well in sand, diameter 24 inches, depth 46 feet. Highest water level 12.49 below lsd, Mar. 20, 1944; lowest 30.20 below lsd, June 13, 1951. Records available: 1943-52. Jan. 11, 28.47; Feb. 28, 28.10; Apr. 25, 27.00; May 13, 27.30; June 30, 27.10; Aug. 6, 25.00; Oct. 1, 22.90.

804. City of Wichita. SE¼SE¼ sec. 16, T. 26 S., R. 1 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 26 feet. Highest water level 0.10 below lsd, Aug. 4, 1950; lowest 5.26 below lsd, Oct. 30, 1952. Records available: 1938-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	2.69	May 1	2.80	Aug. 1	4.53	Oct. 30	5.26
Feb. 1	2.85	June 3	3.23	Sept. 4	5.23	Dec. 4	5.15
29	3.04	July 2	3.98	Oct. 1	5.21	30	4.90
Apr. 2	2.71						

805. City of Wichita. NW¼NE¼ sec. 19, T. 26 S., R. 1 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 41 feet. Highest water level 1.57 below lsd, May 2, 1945; lowest 6.27 below lsd, Sept. 26, 1946. Records available: 1938-52.

Jan. 4	2.89	May 1	3.19	Aug. 4	5.09	Oct. 30	5.49
Feb. 1	3.10	June 3	3.73	Sept. 4	5.62	Dec. 4	5.20
29	3.23	July 2	4.61	Oct. 1	5.77	30	5.21
Apr. 2	2.96						

807. City of Wichita. NW¼NW¼ sec. 10, T. 26 S., R. 2 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 37 feet. Highest water level 18.09 below lsd, Oct. 3, 1951; lowest 23.04 below lsd, Jan. 2, 1941. Records available: 1938-52.

Jan. 4	19.49	Apr. 2	19.84	July 2	20.72	Sept. 30	22.52
Feb. 1	19.82	May 1	19.94	Aug. 1	21.17	Oct. 30	22.45
29	20.02	June 3	20.28	Sept. 4	21.70	Dec. 30	22.48

808. City of Wichita. SW¼NW¼ sec. 18, T. 26 S., R. 2 W. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 49 feet. Highest water level 18.59 below lsd, Nov. 30, 1951; lowest 23.47 below lsd, Mar. 4, 1941. Records available: 1938-52.

Feb. 1	18.91	May 1	18.91	Aug. 1	19.94	Oct. 30	20.99
29	20.00	June 3	19.15	Sept. 4	20.50	Dec. 4	21.25
Apr. 2	18.95	July 2	19.56	Oct. 1	20.82	30	21.31

809. City of Wichita. NW. cor. sec. 21, T. 26 S., R. 1 E. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 32 feet. Highest water level 5.91 below lsd, July 11, 1951; lowest 14.68 below lsd, Jan. 2, 1941. Records available: 1938-52.

Jan. 3	9.70	Apr. 3	10.43	Aug. 1	12.20	Oct. 30	13.79
Feb. 1	10.17	May 1	10.53	Sept. 4	12.87	Dec. 5	14.07
29	10.60	July 2	11.49	Oct. 1	13.51	30	14.21

810. City of Wichita. NE¼SE¼ sec. 35, T. 25 S., R. 1 W. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 25 feet. Highest water level 1.94 below lsd, Apr. 28, 1944; lowest 13.63 below lsd, Oct. 30, Dec. 4, 1952. Records available: 1938-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	11.60	May 1	11.68	Aug. 1	13.09	Oct. 30	13.63
Feb. 1	11.89	June 3	12.15	Sept. 4	13.42	Dec. 4	13.63
29	12.15	July 2	12.71	30	13.58	30	13.60
Apr. 3	11.86						

811. City of Wichita. SE¼SE¼ sec. 33, T. 25 S., R. 1 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 25 feet. Highest water level 3.27 below lsd, July 10, 1951; lowest 9.36 below lsd, Dec. 30, 1952. Records available: 1938-52.

Jan. 4	6.32	May 1	6.90	Aug. 1	8.29	Oct. 30	9.20
Feb. 1	6.66	June 3	7.28	Sept. 4	8.80	Dec. 4	9.32
29	6.97	July 2	7.79	Oct. 1	9.09	30	9.36
Apr. 3	6.59						

812. City of Wichita. NW¼NW¼ sec. 27, T. 25 S., R. 1 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 25 feet. Highest water level 6.30 below lsd, Aug. 31, 1949; lowest 18.91 below lsd, Feb. 10, 1947. Records available: 1938-52.

Jan. 4	8.83	May 1	8.81	Aug. 1	8.82	Oct. 30	8.91
Feb. 1	8.83	June 3	8.80	Sept. 4	8.85	Dec. 4	8.93
29	8.82	July 2	8.78	Oct. 1	8.85	30	8.95
Apr. 3	8.72						

814. City of Wichita. SE¼SE¼ sec. 14, T. 25 S., R. 1 W. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 31 feet. Highest water level 6.23 below lsd, July 10, 1951; lowest 17.11 below lsd, Dec. 3, 1940, Jan. 2, Feb. 3, Mar. 4, May 1, 1941. Records available: 1938-52.

Jan. 3	10.89	May 1	12.10	Aug. 1	13.07	Oct. 30	14.15
Feb. 1	11.33	June 3	12.39	Sept. 4	13.55	Dec. 5	14.47
29	11.71	July 2	12.69	Oct. 1	13.82	30	14.54
Apr. 3	11.79						

815. City of Wichita. NE¼ sec. 17, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 31 feet. Highest water level 7.65 below lsd, May 11, 1945; lowest 14.26 below lsd, Dec. 3, 1952. Records available: 1938-52.

Jan. 4	10.51	Apr. 1	11.36	July 2	12.35	Sept. 30	13.50
Feb. 2	11.00	May 1	11.67	Aug. 4	12.75	Oct. 31	13.86
29	11.38	June 3	12.00	Sept. 4	13.24	Dec. 3	14.26

816. City of Wichita. SW¼SW¼ sec. 7, T. 25 S., R. 1 W. Driven observation water-table well in fine gravel, diameter 1¼ inches, depth 31 feet. Highest water level 5.32 below lsd, Oct. 8, 1945; lowest 18.47 below lsd, Mar. 3, 1947. Records available: 1938-52.

Jan. 4	11.85	Apr. 1	12.69	July 2	14.14	Sept. 30	15.94
Feb. 2	12.39	May 1	13.24	Aug. 4	14.87	Oct. 31	16.34
29	12.72	June 4	13.60	Sept. 4	15.45	Dec. 3	16.72

825. City of Wichita. NE¼NE¼ sec. 3, T. 35 S., R. 1 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 25 feet. Highest water level 5.49 below lsd, May 4, 1945; lowest 15.18 below lsd, Dec. 5, 1947. Records available: 1938-52.

Jan. 3	8.11	May 1	8.08	Aug. 4	9.67	Oct. 31	10.64
Feb. 1	8.32	June 4	8.45	Sept. 3	10.15	Dec. 3	10.70
Apr. 1	8.04	July 2	9.08	30	10.47		

830. City of Wichita. SW¼SW¼ sec. 30, T. 25 S., R. 2 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 57 feet. Highest water level 17.35 below lsd, Nov. 30, 1951; lowest 28.82 below lsd, Nov. 5, 1940. Records available: 1938-52.

Jan. 4	23.74	May 1	24.07	Aug. 1	26.36	Oct. 30	27.55
Feb. 1	23.96	June 3	24.62	Sept. 4	27.06	Dec. 4	27.37
29	24.09	July 2	25.54	Oct. 1	27.49	30	23.23
Apr. 2	23.95						

834. City of Wichita. SW¼SW¼ sec. 9, T. 25 S., R. 3 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 18 feet. Highest water level 5.35 below lsd, Sept. 8, 1951; lowest 11.70 below lsd, Oct. 3, 1940. Records available: 1938-52.

834--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	7.04	May 1	7.54	Aug. 1	9.93	Oct. 30	10.47
Feb. 1	7.41	June 3	8.15	Sept. 4	10.47	Dec. 4	10.13
29	7.67	July 2	9.12	Oct. 1	10.68	30	9.92
Apr. 2	7.47						

838. City of Wichita. NE¼NW¼ sec. 33, T. 25 S., R. 3 W. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 49 feet. Highest water level 17.01 below lsd, Oct. 2, 1951; lowest 26.91 below lsd, Nov. 5, 1940. Records available: 1938-52.

Jan. 4	18.98	Apr. 2	19.97	July 2	21.35	Oct. 1	23.60
Feb. 1	19.44	May 1	20.12	Aug. 1	22.25	30	23.97
29	19.76	June 3	20.56	Sept. 4	23.10	Dec. 30	24.29

842. City of Wichita. NW¼NW¼ sec. 16, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 15 feet. Highest water level 1.39 below lsd, Oct. 4, 1945; lowest 8.10 below lsd, Oct. 1, 1952. Records available: 1939-52.

Jan. 4	4.94	Apr. 2	4.64	July 2	6.26	Oct. 1	8.10
Feb. 1	5.07	May 1	4.84	Aug. 1	7.10	30	8.09
29	5.18	June 3	5.43	Sept. 4	7.78	Dec. 30	7.90

847. City of Wichita. SW¼SE¼ sec. 6, T. 27 S., R. 1 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 25 feet. Highest water level 10.55 below lsd, May 8, 1944; lowest 18.36 below lsd, Dec. 5, 1947. Records available: 1939-52.

Jan. 4	15.91	Apr. 2	16.03	July 2	16.62	Oct. 1	17.17
Feb. 1	16.17	May 1	15.65	Aug. 1	16.80	30	17.02
29	16.34	June 3	16.07	Sept. 4	17.08	Dec. 5	16.77

870. W. Williams. NW¼NE¼NE¼ sec. 18, T. 25 S., R. 2 W. Driven stock and observation water-table well in Meade formation, diameter 1¼ inches, depth 19 feet. Highest water level 0.33 below lsd, July 10, 1951; lowest 8.30 below lsd, Nov. 5, 1940. Records available: 1939-52.

Jan. 4	3.80	Apr. 2	4.34	July 2	4.64	Oct. 1	7.15
Feb. 1	4.42	May 1	4.09	Aug. 1	5.30	30	7.75
29	4.69	June 3	4.02	Sept. 4	6.32	Dec. 30	7.77

1171. City of Wichita. NE¼NE¼ sec. 4, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 20 feet. Highest water level 9.78 below lsd, Oct. 2, 1951; lowest 13.90 below lsd, Sept. 30, 1952. Records available: 1950-52. Jan. 4, 10.35; Apr. 1, 11.07; June 30, 12.06; Sept. 30, 13.90.

1176. City of Wichita. SW¼SW¼ sec. 5, T. 25 S., R. 1 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 33 feet. Highest water level 10.42 below lsd, Oct. 3, 1951; lowest 16.20 below lsd, Sept. 30, 1952. Records available: 1950-52. Jan. 3, 11.40; Apr. 1, 12.42; July 2, 13.50; Sept. 30, 16.20.

2083. Dora E. Treaser. SE¼NW¼SW¼ sec. 14, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 7 inches, depth 50 feet. Highest water level 2.60 below lsd, July 9, 1951; lowest 5.68 below lsd, June 29, 1950. Records available: 1950-51. No measurement made in 1952.

3004. City of Wichita. SE¼ sec. 1, T. 25 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 20 feet. Highest water level 4.42 below lsd, July 9, 1951; lowest 9.84 below lsd, Oct. 30, 1952. Records available: 1949-52.

Jan. 4	6.48	Apr. 2	6.30	July 2	7.77	Oct. 1	9.66
Feb. 1	6.77	May 1	6.74	Aug. 1	8.54	30	9.84
29	6.98	June 3	7.06	Sept. 4	9.30	Dec. 30	9.26

3030. City of Wichita. SW¼NW¼SW¼ sec. 11, T. 25 S., R. 2 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 32 feet. Highest water level 4.24 below lsd, July 10, 1951; lowest 10.07 below lsd, Dec. 3, 1952. Records available: 1950-52.

Jan. 4	6.39	Apr. 2	6.75	June 30	9.75	Sept. 30	9.13
Feb. 2	6.72	May 1	7.00	Aug. 4	8.28	Oct. 31	9.66
29	6.99	June 4	7.37	Sept. 3	8.78	Dec. 3	10.07

M-25b. City of Wichita. NE¼NW¼ sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 6.89 below lsd, Aug. 21, 1939; lowest 21.29 below lsd, Oct. 31, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	15.55	Apr. 30	17.63	Aug. 2	20.05	Oct. 31	21.29
31	16.18	June 4	18.95	Sept. 3	20.51	Dec. 2	20.42
Feb. 29	17.63	30	19.39	Oct. 1	20.98	31	19.98
Mar. 31	17.17						

M-27. City of Wichita. NW¼NW¼ sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 215 feet. Highest water level 13.96 below lsd, July 8, 1949; lowest 58.0 below lsd, Mar. 31, June 6, 29, 1950. Records available: 1947, 1949-52.

Jan. 2	18.50	Apr. 30	50.00	Aug. 2	49.00	Oct. 31	48.00
31	53.00	June 4	49.00	Sept. 3	48.00	Dec. 2	50.00
Feb. 29	52.00	30	48.00	Oct. 1	49.00	31	22.00
Mar. 31	19.00						

M-27a. City of Wichita. NW¼NW¼ sec. 2, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 82 feet. Highest water level 15.12 below lsd, Sept. 2, 1949; lowest 24.88 below lsd, Oct. 1, 1952. Records available: 1947, 1949-52.

Jan. 2	18.42	Apr. 30	21.18	Aug. 2	23.84	Oct. 31	25.04
31	21.79	June 4	22.24	Sept. 3	24.13	Dec. 2	24.16
Feb. 29	22.25	30	22.92	Oct. 1	24.88	31	22.40
Mar. 31	19.43						

M-27b. City of Wichita. NE¼NE¼ sec. 3, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 80 feet. Highest water level 12.62 below lsd, Oct. 4, 1948; lowest 24.84 below lsd, Oct. 1, 1952. Records available: 1947-52.

Jan. 2	18.03	Apr. 30	19.92	Aug. 2	22.73	Oct. 31	23.96
31	20.48	June 4	19.98	Sept. 3	23.16	Dec. 2	23.17
Feb. 29	20.87	30	21.69	Oct. 1	24.84	31	21.87
Mar. 31	18.98						

M-28. City of Wichita. NE¼NW¼ sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 220 feet. Highest water level 14.09 below lsd, July 8, 1949; lowest 78.00 below lsd, Oct. 31, 1952. Records available: 1947, 1949-52.

Jan. 2	19.00	Apr. 30	21.00	Aug. 2	70.00	Oct. 31	78.00
31	20.00	June 4	68.00	Sept. 3	24.00	Dec. 2	23.00
Feb. 29	21.00	30	70.00	Oct. 1	75.50	31	23.00
Mar. 31	20.50						

M-28a. City of Wichita. NE¼NW¼ sec. 2, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 80 feet. Highest water level 14.39 below lsd, Sept. 2, 1949; lowest 25.44 below lsd, Oct. 31, 1952. Records available: 1947, 1949-52.

Jan. 2	18.71	Apr. 30	20.19	Aug. 2	23.59	Oct. 31	25.44
31	19.71	June 4	22.13	Sept. 3	23.30	Dec. 2	23.68
Feb. 29	20.53	30	22.90	Oct. 1	24.94	31	23.24
Mar. 31	20.47						

M-28b. City of Wichita. NW¼NE¼ sec. 2, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 82 feet. Highest water level 12.55 below lsd, Oct. 4, 1948; lowest 24.29 below lsd, Oct. 31, 1952. Records available: 1947-52.

Jan. 2	18.06	Apr. 30	19.61	Aug. 2	22.49	Oct. 31	24.29
31	19.00	June 4	21.00	Sept. 3	22.60	Dec. 2	22.67
Feb. 29	19.92	30	21.73	Oct. 1	23.82	31	22.65
Mar. 31	19.90						

M-29. City of Wichita. NW¼NW¼ sec. 11, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 225 feet. Highest water level 13.01 below lsd, July 8, 1949; lowest 62.0 below lsd, Aug. 1, 1950. Records available: 1947, 1949-52.

M-29--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	55.00	Apr. 30	16.82	Aug. 2	55.50	Oct. 31	22.00
31	50.00	June 4	18.00	Sept. 3	54.00	Dec. 2	55.00
Feb. 29	50.00	30	18.73	Oct. 1	54.00	31	20.00
Mar. 31	17.00						

M-29a. City of Wichita. NW¼NW¼ sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 97 feet. Highest water level 12.15 below lsd, July 1, 1947; lowest 33.27 below lsd, Oct. 1, 1952. Records available: 1947, 1949-52.

Jan. 2	29.68	Apr. 30	17.04	Aug. 2	31.82	Oct. 31	22.28
31	29.67	June 4	17.88	Sept. 3	31.96	Dec. 2	32.14
Feb. 29	29.85	30	18.42	Oct. 1	33.27	31	20.06
Mar. 31	17.67						

M-29b. City of Wichita. NW¼NW¼ sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 103 feet. Highest water level 7.01 below lsd, July 2, 1951; lowest 24.52 below lsd, May 3, 1950. Records available: 1947-52.

Jan. 2	8.70	Apr. 30	9.37	Aug. 2	10.63	Oct. 31	12.46
31	9.05	June 4	9.65	Sept. 3	11.50	Dec. 2	12.72
Feb. 29	9.60	30	10.01	Oct. 1	12.02	31	12.92
Mar. 31	9.18						

M-30. City of Wichita. NE¼NW¼ sec. 11, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 225 feet. Highest water level 7.31 below lsd, July 8, 1949; lowest 60.00 below lsd, Oct. 31, 1952. Records available: 1947, 1949-52.

Jan. 2	17.00	Apr. 30	16.10	Aug. 2	20.01	Oct. 31	60.00
31	52.50	June 4	17.50	Sept. 3	20.00	Dec. 2	20.00
Feb. 29	52.50	30	18.00	Oct. 1	57.00	31	19.00
Mar. 31	55.00						

M-30a. City of Wichita. NE¼NW¼ sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 72 feet. Highest water level 12.32 below lsd, Oct. 1, 1951; lowest 26.49 below lsd, Oct. 1, 1952. Records available: 1947, 1949-52.

Jan. 2	15.48	Apr. 30	15.15	Aug. 2	18.75	Oct. 31	26.22
31	23.50	June 4	16.17	Sept. 3	19.05	Dec. 2	19.28
Feb. 29	23.86	30	16.73	Oct. 1	26.49	31	17.38
Mar. 31	22.49						

M-30b. City of Wichita. NW¼NE¼ sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 61 feet. Highest water level 7.39 below lsd, Oct. 4, 1948; lowest 23.74 below lsd, Oct. 1, 1952. Records available: 1947-52.

Jan. 2	15.73	Apr. 30	15.90	Aug. 2	19.12	Oct. 31	23.53
31	20.97	June 4	16.99	Sept. 3	19.31	Dec. 2	19.47
Feb. 29	21.23	30	17.52	Oct. 1	23.74	31	17.87
Mar. 31	20.15						

M-31. City of Wichita. NW¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 197 feet. Highest water level 9.20 below lsd, July 8, 1949; lowest 64.50 below lsd, June 4, 1952. Records available: 1947, 1949-52.

Jan. 2	19.00	Apr. 30	20.89	Aug. 2	61.00	Oct. 31	22.00
31	60.00	June 4	64.50	Sept. 3	58.00	Dec. 2	21.00
Feb. 29	60.00	30	63.00	Oct. 1	22.00	31	20.00
Mar. 31	64.00						

M-31a. City of Wichita. NW¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 87 feet. Highest water level 9.95 below lsd, July 16, 1947; lowest 24.75 below lsd, Aug. 2, 1952. Records available: 1947, 1949-52.

Jan. 2	17.00	Apr. 30	19.46	Aug. 2	24.75	Oct. 31	21.49
31	22.95	June 4	24.20	Sept. 3	23.30	Dec. 2	20.66
Feb. 29	23.00	30	24.62	Oct. 1	21.03	31	19.28
Mar. 31	23.74						

M-31b. City of Wichita. NW¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 62 feet. Highest water level 8.34 below lsd, July 7, 1948; lowest 23.96 below lsd, Aug. 2, 1952. Records available: 1947-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	18.43	Apr. 30	20.84	Aug. 2	23.96	Oct. 31	22.78
31	22.10	June 4	23.23	Sept. 3	22.89	Dec. 2	22.13
Feb. 29	22.12	30	23.80	Oct. 1	22.38	31	20.67
Mar. 31	22.85						

M-32. City of Wichita. NE¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 185 feet. Highest water level 9.02 below lsd, July 8, 1949; lowest 63.00 below lsd, Oct. 31, 1952. Records available: 1947, 1949-52.

Jan. 21	57.00	Apr. 30	19.43	Aug. 2	21.00	Oct. 31	63.00
31	18.00	June 4	19.00	Sept. 3	61.00	Dec. 2	61.00
Feb. 29	18.50	30	61.00	Oct. 1	62.00	31	20.00
Mar. 31	20.00						

M-32a. City of Wichita. NE¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 71 feet. Highest water level 9.96 below lsd, Apr. 16, 1947; lowest 22.30 below lsd, Oct. 1, 1952. Records available: 1947, 1949-52.

Jan. 2	17.00	Apr. 30	17.81	Aug. 2	18.27	Oct. 31	21.49
31	16.41	June 4	17.49	Sept. 3	21.25	Dec. 2	22.28
Feb. 29	16.62	30	20.79	Oct. 1	22.30	31	19.09
Mar. 31	17.98						

M-32b. City of Wichita. NE¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 71 feet. Highest water level 8.40 below lsd, Oct. 4, 1948; lowest 21.92 below lsd, Dec. 2, 1952. Records available: 1947-52.

Jan. 2	16.57	Apr. 30	18.42	Aug. 2	20.18	Oct. 31	21.42
31	16.85	June 4	18.33	Sept. 3	21.05	Dec. 2	21.92
Feb. 29	17.24	30	20.26	Oct. 1	21.88	31	20.72
Mar. 31	18.20						

M-33. City of Wichita. NE¼SE¼ sec. 1, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 170 feet. Highest water level 7.23 below lsd, July 8, 1949; lowest 63.00 below lsd, Jan. 2, Apr. 30, June 4, 1952. Records available: 1947, 1949-52.

Jan. 2	63.00	Apr. 30	63.00	Aug. 2	54.00	Oct. 31	20.98
31	17.00	June 4	63.00	Sept. 3	55.00	Dec. 2	19.90
Feb. 29	61.00	30	52.00	Oct. 1	23.00	31	20.50
Mar. 31	62.00						

M-33a. City of Wichita. NE¼SE¼ sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 54 feet. Highest water level 9.20 below lsd, Sept. 2, 1949; lowest 20.07 below lsd, Sept. 3, 1952. Records available: 1947, 1949-52.

Jan. 2	16.18	Apr. 30	17.85	Aug. 2	19.57	Oct. 31	19.96
31	14.91	June 4	18.42	Sept. 3	20.07	Dec. 2	19.49
Feb. 29	17.20	30	18.46	Oct. 1	20.00	31	19.42
Mar. 31	18.75						

M-33b. City of Wichita. SE¼NE¼ sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 75 feet. Highest water level 6.82 below lsd, Oct. 4, 1948; lowest 17.93 below lsd, Oct. 31, 1952. Records available: 1947-52.

Jan. 2	13.95	Apr. 30	15.55	Aug. 2	17.38	Oct. 31	17.93
31	12.93	June 4	16.24	Sept. 3	17.86	Dec. 2	17.45
Feb. 29	14.98	30	16.33	Oct. 1	17.92	31	17.38
Mar. 31	14.46						

M-34. City of Wichita. SW¼SW¼ sec. 6, T. 25 S., R. 1 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 150 feet. Highest water level 6.96 below lsd, July 8, 1949; lowest 59.29 below lsd, Apr. 30, 1952. Records available: 1947, 1949-52.

M-34--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	16.83	Apr. 30	59.29	Aug. 2	51.30	Oct. 31	52.93
31	17.16	June 4	53.35	Sept. 3	55.54	Dec. 2	21.73
Feb. 29	18.40	30	52.92	Oct. 1	22.42	31	52.27
Mar. 31	56.50						

M-34a. City of Wichita. SW¼SW¼ sec. 6, T. 25 S., R. 1 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 85 feet. Highest water level 8.90 below lsd, Sept. 2, 1949; lowest 24.68 below lsd, Oct. 31, 1952. Records available: 1947, 1949-52.

Jan. 2	15.28	Apr. 30	22.30	Aug. 2	24.10	Oct. 31	24.68
31	15.74	June 4	22.01	Sept. 3	24.36	Dec. 2	20.30
Feb. 29	16.86	30	23.08	Oct. 1	21.02	31	24.47
Mar. 31	21.00						

M-34b. City of Wichita. SW¼SW¼ sec. 6, T. 25 S., R. 1 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 85 feet. Highest water level 5.64 below lsd, July 7, 1948; lowest 20.28 below lsd, Aug. 2, 1952. Records available: 1947-52.

Jan. 2	13.54	Apr. 30	16.48	Aug. 2	20.28	Oct. 31	19.97
31	14.36	June 4	16.84	Sept. 3	19.33	Dec. 2	19.76
Feb. 29	15.62	30	17.34	Oct. 1	19.87	31	19.52
Mar. 31	16.00						

M-35. City of Wichita. NE. cor. NW¼ sec. 7, T. 25 S., R. 1 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 130 feet. Highest water level 10.30 below lsd, July 8, 1949; lowest 51.66 below lsd, Oct. 1, 1952. Records available: 1947, 1949-52.

Jan. 2	47.25	Apr. 30	18.19	Aug. 2	47.58	Oct. 31	21.94
31	48.12	June 4	47.20	Sept. 3	49.05	Dec. 2	47.70
Feb. 29	46.96	30	49.73	Oct. 1	51.66	31	50.47
Mar. 31	18.88						

M-35a. City of Wichita. NE¼NW¼ sec. 7, T. 25 S., R. 1 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 85 feet. Highest water level 8.69 below lsd, Sept. 2, 1949; lowest 22.69 below lsd, Dec. 31, 1952. Records available: 1947, 1949-52.

Jan. 2	17.39	Apr. 30	18.95	Aug. 2	20.74	Oct. 31	22.42
31	17.99	June 4	19.15	Sept. 3	21.54	Dec. 2	22.66
Feb. 29	17.89	30	19.65	Oct. 1	22.09	31	22.69
Mar. 31	18.81						

M-35b. City of Wichita. SE¼SW¼ sec. 6, T. 25 S., R. 1 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 86 feet. Highest water level 10.60 below lsd, Sept. 2, 1949; lowest 23.59 below lsd, Dec. 31, 1952. Records available: 1947-52.

Jan. 2	18.22	Apr. 30	18.82	Aug. 2	22.67	Oct. 31	22.50
31	19.17	June 4	20.55	Sept. 3	23.00	Dec. 2	22.77
Feb. 29	19.33	30	21.57	Oct. 1	23.40	31	23.59
Mar. 31	19.23						

Seward County

15. Cabot Carb. SE¼SW¼ sec. 21, T. 32 S., R. 33 W. Drilled domestic and stock water-table well in alluvium, diameter 5 inches, depth 53 feet. Highest water level 15.88 below lsd, May 3, 1944; lowest 18.81 below lsd, Nov. 28, 1951. Records available: 1940-52. Jan. 15, 17.70; Feb. 21, 17.75; Mar. 4, 17.68; May 19, 17.74; Nov. 17, 17.82.

106. Kansas City Life Insurance Co. SW¼SW¼ sec. 8, T. 32 S., R. 34 W. Drilled unused water-table well in Meade and Ogallala formations, diameter 5 inches, depth 212 feet. Highest water level 204.56 below lsd, Apr. 21, 1952; lowest 210.95 below lsd, Mar. 8, 1949. Records available: 1940-52. Jan. 15, 204.70; Feb. 21, 204.62; Mar. 4, 204.76; Apr. 21, 204.56.

122. Mrs. Flora Atwell. NE¼SE¼ sec. 9, T. 33 S., R. 31 W. Drilled domestic and stock water-table well in Meade and Ogallala formations, diameter 5 inches, depth 213 feet. Highest water level 199.16 below lsd, Apr. 19, May 9, 1951; lowest 205.76 below lsd, Oct. 21, 1947. Records available: 1940-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	200.28	Apr. 21	199.81	Aug. 11	200.84	Nov. 17	200.01
Feb. 21	201.50	June 23	200.27	Sept. 16	199.93	Dec. 8	199.91
Mar. 4	200.58	July 10	199.90	Oct. 13	199.98		

31-34-17cb. Carrie Young. Drilled stock water-table well in Meade and Ogallala formations, diameter 5 inches, depth 131 feet. Highest water level 118.05 below lsd, Oct. 25, 1951; lowest 121.38 below lsd, Sept. 16, 1952. Records available: 1950-52. Jan. 15, 118.40; June 23, 118.56; Sept. 16, 121.38; Nov. 17, 120.88.

Shawnee County

11-15-16c. State Board of Agriculture. Drilled observation water-table well in alluvium, diameter 18 inches, depth 47 feet. Highest water level 8.87 below lsd, July 16, 1951; lowest 26.22 below lsd, July 3, 1950. Records available: 1950-52.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21.10	21.92	22.59	22.44	21.50	22.12	22.87	23.43	23.93	24.38	24.85	25.18
2	21.15	21.95	22.60	22.46	21.50	22.13	22.88	23.45	23.96	24.40	24.87	25.20
3	21.20	21.96	22.62	22.45	21.52	22.16	22.90	23.46	23.97	24.41	24.88	25.22
4	21.20	22.00	22.65	22.44	21.50	22.19	22.92	23.47	23.98	24.44	24.89	25.22
5	21.23	22.01	22.68	22.47	21.49	22.22	22.94	23.49	24.01	24.46	24.90	25.24
6	21.28	22.05	22.69	22.47	21.52	22.25	22.96	23.50	24.03	24.48	24.91	25.24
7	21.29	22.06	22.70	22.45	21.53	22.28	22.97	23.52	24.05	24.51	24.92	25.25
8	21.29	22.08	22.70	22.42	21.53	22.31	23.00	23.54	24.07	24.52	24.93	25.25
9	21.33	22.11	22.70	22.41	21.52	22.34	23.01	23.55	24.09	24.54	24.94	25.26
10	21.38	22.13	22.70	22.41	21.55	22.35	23.04	23.57	24.11	24.56	24.95	25.28
11	21.40	22.15	22.70	22.39	21.57	22.39	23.06	23.58	24.12	24.58	24.96	25.29
12	21.42	22.16	22.67	22.33	21.59	22.42	23.08	23.59	24.13	24.60	24.98	25.30
13	21.45	22.17	22.65	22.28	21.61	22.44	23.09	23.60	24.14	24.62	24.99	25.32
14	21.47	22.23	22.64	22.23	21.60	22.46	23.10	23.63	24.16	24.64	24.99	25.34
15	21.51	22.27	22.63	22.18	21.60	22.49	23.11	23.65	24.18	24.66	25.00	25.34
16	21.53	22.29	22.62	22.14	21.63	22.52	23.12	23.67	24.19	24.67	25.01	25.35
17	21.55	22.31	22.59	22.08	21.69	22.55	23.14	23.70	24.19	24.67	25.02	25.36
18	21.58	22.32	22.56	22.02	21.74	22.57	23.15	23.72	24.22	24.70	25.03	25.36
19	21.59	22.33	22.55	21.96	21.75	22.60	23.16	23.74	24.24	24.72	25.05	25.38
20	21.63	22.36	22.54	21.90	21.76	22.62	23.17	23.76	24.25	24.73	25.06	25.40
21	21.65	22.40	22.54	21.87	21.76	22.64	23.18	23.77	24.25	24.74	25.07	25.41
22	21.67	22.42	22.52	21.85	21.79	22.66	23.21	23.78	24.25	24.75	25.08	25.42
23	21.72	22.45	22.52	21.79	21.84	22.68	23.24	23.80	24.27	24.76	25.10	25.43
24	21.75	22.47	22.51	21.74	21.87	22.71	23.26	23.81	24.28	24.78	25.10	25.45
25	21.74	22.50	22.51	21.68	21.92	22.73	23.28	23.83	24.28	24.79	25.11	25.46
26	21.76	22.52	22.51	21.65	21.95	22.76	23.30	23.85	24.30	24.79	25.13	25.47
27	21.81	22.53	22.51	21.61	21.98	22.78	23.34	23.85	24.32	24.81	25.15	25.48
28	21.85	22.54	22.50	21.59	22.03	22.80	23.36	23.87	24.34	24.83	25.16	25.49
29	21.87	22.57	22.48	21.56	22.06	22.83	23.38	23.89	24.36	24.84	25.16	25.50
30	21.90		22.45	21.53	22.06	22.84	23.39	23.89	24.37	24.84	25.17	25.51
31	21.91		22.43		22.08		23.42	23.91		24.85		25.51

11-16-5bc. C. C. Busey. Dug unused water-table well in White Cloud shale, diameter 6 feet, depth 23 feet, cribbed with rock. Highest water level 1.27 below lsd, Apr. 15, 1949; lowest 11.80 below lsd, Nov. 27, 1948. Records available: 1948-52. Feb. 12, 6.23.

Sherman County

8-37-28abb. Albert Vohs. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 125 feet. Highest water level 107.28 below lsd, Jan. 16, 1952; lowest 107.85 below lsd, Jan. 6, 1949. Records available: 1948-52. Jan. 16, 107.28; Apr. 9, 107.33; Oct. 14, 107.53.

8-39-19caa. Wm. Hall. (City of Goodland). Drilled unused water-table well in sand and Ogallala formation, diameter 6 inches, depth 165 feet. Highest water level 118.13 below lsd, Apr. 24, 1951; lowest 152.38 below lsd, Oct. 9, 1950. Records available: 1950-52. Jan. 16, 148.15; Apr. 9, 148.53; July 14, 150.95; Oct. 14, 151.55.

8-40-24baa. Victoria Van Drasek Estate. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 164 feet. Highest water level 135.92 below lsd, Apr. 25, 1950; lowest 137.41 below lsd, Jan. 8, 1951. Records available: 1948-52. Jan. 16, 136.24; Apr. 9, 136.10; July 14, 136.14; Oct. 14, 136.54.

9-39-30cbb. Charles Glenn. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 145 feet. Highest water level 118.20 below lsd, Apr. 9, 1952; lowest 118.90 below lsd, Apr. 14, 1949. Records available: 1948-52. Jan. 17, 118.25; Apr. 9, 118.20; July 15, 118.24; Oct. 15, 118.24.

Smith County

4-14-34bc. Laura Davis. Dug stock and observation water-table well in terrace gravel, diameter 32 inches, depth 46 feet. Highest water level 39.49 below lsd, Dec. 10, 1951; lowest 45.37 below lsd, Mar. 22, 1951. Records available: 1945-52. May 24, 39.84; Sept. 12, 40.65.

4-15-31bb. Wilbur Lala. Drilled stock and observation water-table well in alluvium and terrace deposits, diameter 8 inches, depth 44 feet. Highest water level 25.56 below lsd, May 14, 1951; lowest 36.26 below lsd, Nov. 30, 1948. Records available: 1945-52. May 24, 31.47; Sept. 11, 31.56; Dec. 11, 31.75.

4-15-35bc. H. R. Dannenburg. Dug stock and observation water-table well in terrace gravel, diameter 4 feet, depth 40 feet, cribbed with rock. Highest water level 10.18 below lsd, July 24, 1951; lowest 37.99 below lsd, June 12, 1946. Records available: 1945-51. No measurement made in 1952.

5-13-4dc. Roy Eller. Dug domestic and stock water-table well in alluvium, diameter 24 inches, depth 43 feet, cribbed with rock. Highest water level 10.78 below lsd, July 24, 1951; lowest 35.28 below lsd, Dec. 17, 1945. Records available: 1945-52. May 23, 12.46; Sept. 12, 14.40; Dec. 11, 13.79.

5-13-25cc. Zelma Carter. Drilled domestic and observation water-table well in terrace sand and gravel, diameter 10 inches, depth 52 feet. Highest water level 37.70 below lsd, Dec. 11, 1952; lowest 46.53 below lsd, Jan. 28, 1946. Records available: 1945-52. Mar. 1, 38.09; May 23, 38.05; Sept. 12, 37.73; Dec. 11, 37.70.

5-13-33ba. W. L. Gearhart and others. Dug unused water-table well in terrace gravel, diameter 4 feet, depth 39 feet. Highest water level 10.16 below lsd, July 24, 1951; lowest 30.46 below lsd, Jan. 2, 1948. Records available: 1945-52. May 23, 15.90; Sept. 12, 15.70; Dec. 11, 17.29.

5-15-2dc. George K. Wamhoff. Drilled unused water-table well in terrace alluvium, diameter 10 inches, depth 42 feet. Highest water level 23.95 below lsd, Oct. 22, 1951; lowest 33.84 below lsd, Nov. 30, 1948. Records available: 1945-52. Sept. 12, 24.90; Dec. 11, 25.30.

Stafford County

19. Atlantic Refining Co. SE¼SE¼ sec. 27, T. 21 S., R. 13 W. Drilled observation water-table well in Meade formation, diameter 6 inches, depth 63 feet. Highest water level 0.20 below lsd, Mar. 11, 1952; lowest 11.04 below lsd, Aug. 1, 1942. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	1.30	Mar. 11	0.20	May 21	1.33	July 28	4.02
Feb. 18	1.52	Apr. 15	.41	June 24	3.05	Aug. 21	5.10

25-13-3bb. M. L. Halley. Driven unused water-table well in Meade formation, diameter 4 inches, depth 30 feet. Highest water level 2.75 below lsd, May 21, 1952; lowest 9.52 below lsd, Dec. 11, 1952. Records available: 1951-52.

Jan. 21	3.50	Apr. 15	2.85	July 28	6.84	Oct. 8	9.33
Feb. 18	3.76	May 21	2.75	Aug. 21	7.90	Nov. 20	9.47
Mar. 11	3.35	June 20	3.42	Sept. 17	8.57	Dec. 11	9.52

Stanton County

13. Leah Carrithers. NE¼SE¼ sec. 21, T. 27 S., R. 40 W. Drilled unused water-table well, diameter 5 inches, depth 55 feet. Highest water level 44.37 below lsd, Nov. 29, 1951; lowest 51.83 below lsd, Apr. 3, 1940. Records available: 1939-52. Feb. 20, 44.67; May 20, 44.88.

93. J. Plummer. NE¼ sec. 11, T. 29 S., R. 41 W. Drilled observation water-table well in coarse gravel, diameter 8 inches, depth 234 feet. Highest water level 173.57 below lsd, May 20, Nov. 19, 1952; lowest 180.65 below lsd, Nov. 16, 1949. Records available: 1939-52. Feb. 20, 173.81; May 20, 173.57; Aug. 12, 175.24; Nov. 19, 173.57.

Stevens County

12. Mack Greenwood. NW¼NE¼ sec. 28, T. 33 S., R. 38 W. Drilled unused water-table well in Rexroad and/or Meade formation, diameter 4 inches, depth 153 feet. Highest water level 104.16 below lsd, Nov. 17, 1952; lowest 113.38 below lsd, July 28, 1942. Records available: 1942-52. Feb. 20, 105.01; May 19, 104.68; Aug. 11, 104.46; Nov. 17, 104.16.

Thomas County

7. City of Brewster. NW¼NE¼ sec. 18, T. 8 S., R. 36 W. Drilled unused water-table well in sand and gravel, diameter 6 inches, depth 139 feet. Highest water level 122.99 below lsd, July 20, 1949; lowest 128.02 below lsd, Oct. 14, 1948. Records available: 1942-52. Jan. 16, 125.05; Apr. 9, 124.51; July 14, 125.04; Oct. 14, 125.01.

26. Thomas A. Ryan. NE¼SE¼ sec. 27, T. 8 S., R. 32 W. Drilled unused water-table well in sand and gravel, diameter 8 inches, depth 159 feet. Highest water level 110.07 below lsd, Oct. 14, 1952; lowest 117.55 below lsd, Oct. 13, 1948. Records available: 1942-52. Jan. 16, 110.60; July 14, 110.54; Oct. 14, 110.07.

33. Arch Ball. NW¼NW¼ sec. 7, T. 9 S., R. 33 W. Drilled unused water-table well in sand, diameter 6 inches, depth 137 feet. Highest water level 115.34 below lsd, July 25, 1950; lowest 121.30 below lsd, Apr. 14, 1949. Records available: 1942-52. Jan. 16, 115.65; Apr. 9, 115.78.

8-34-2aa. U. S. Dept. of Agriculture and Kansas Agricultural Experiment Station. NE¼ sec. 2, T. 8 S., R. 34 W. Drilled unused water-table well, depth 160 feet. Highest water level 112.43 below lsd, Jan. 24, Feb. 21, 1952; lowest 114.65 below lsd, Jan. 27, 1949. Records available: 1947-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	112.50	Apr. 3	112.46	July 3	112.92	Oct. 2	113.14
10	112.45	10	112.45	10	112.92	9	113.10
17	112.63	17	112.49	17	112.99	16	113.02
24	112.43	24	112.53	24	112.97	23	112.96
31	112.46	May 1	112.54	31	113.06	30	112.88
Feb. 7	112.44	8	112.50	Aug. 7	113.02	Nov. 6	112.87
14	112.58	15	112.54	14	113.06	13	112.77
21	112.43	22	112.63	21	113.18	20	112.70
28	112.44	29	112.54	28	113.17	27	112.72
Mar. 6	112.52	June 5	112.69	Sept. 4	113.10	Dec. 4	112.74
13	112.56	12	112.70	11	113.13	11	112.70
20	112.51	19	112.74	18	113.21	18	112.61
27	112.44	26	112.77	25	113.16	25	112.60

Trego County

14-22-36aa. U. S. Geol. Survey. Drilled observation water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 74 feet. Highest water level 30.08 below lsd, Sept. 10, 1952; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-52. Feb. 28, 33.00; June 10, 30.62; Sept. 10, 30.08.

Wallace County

12-40-14bba. W. P. Kirkham. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 21 feet. Highest water level 19.72 below lsd, July 20, 1949; lowest 20.75 below lsd, May 18, 1948. Records available: 1948-52. Jan. 17, 20.09; Apr. 9, 20.08.

13-40-10abb. J. Mumma. Drilled unused water-table well in deposits of Pleistocene age, diameter 24 inches, depth 44 feet. Highest water level 16.08 below lsd, May 18, 1948; lowest 20.10 below lsd, Oct. 14, 1948. Records available: 1948-52. Jan. 17, 19.21; Apr. 9, 19.11; July 15, 19.60; Oct. 15, 19.84.

14-40-34ddd. C. Popp. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 91 feet. Highest water level 86.83 below lsd, Jan. 17, 1952; lowest 88.50 below lsd, Oct. 13, 1949. Records available: 1948-52. Jan. 17, 86.83; Apr. 10, 86.92; July 15, 86.94; Oct. 15, 87.10.

15-40-23bbb. Broadway School District. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 81 feet. Highest water level 75.82 below lsd, Apr. 10, 1952; lowest 78.45 below lsd, Jan. 9, 1951. Records available: 1948-52. Jan. 17, 76.02; Apr. 10, 75.82.

Wichita County

16-37-26abb. Richard G. Hobson. Drilled stock and observation water-table well in Ogallala formation, diameter 6 inches, depth 96 feet. Highest water level 82.22 below lsd, Aug. 14, 1951; lowest 90.52 below lsd, Dec. 16, 1949. Records available: 1947-51. Measurement discontinued.

18-35-14bb. A. C. Felt. Drilled domestic and observation water-table well in Ogallala formation, diameter 5 inches, depth 95 feet. Highest water level 81.33 below lsd, Aug. 11, 1949; lowest 83.37 below lsd, Oct. 12, 1949. Records available: 1947-52. Feb. 27, 81.89; Apr. 10, 81.89; June 11, 81.78; Aug. 25, 81.34; Oct. 15, 81.84; Dec. 22, 81.97.

20-36-14dad. Elmer Hartman. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 116 feet. Highest water level 94.25 below lsd, June 11, 1952; lowest 97.35 below lsd, Apr. 26, 1950. Records available: 1947-52. Feb. 27, 94.54; June 11, 94.25; Aug. 25, 95.70; Oct. 15, 94.40; Dec. 22, 94.37.

Woodson County

25-16-11ddd. John Yohon. Dug unused water-table well in Stanton limestone, diameter 5 feet, depth 20 feet, cribbed with rock. Highest water level 3.66 below lsd, Nov. 27, 1951; lowest 9.72 below lsd, Dec. 29, 1950. Records available: 1948-52. Feb. 21, 6.37.

Wyandotte County

101. U. S. Geol. Survey. NW$\frac{1}{4}$SW$\frac{1}{4}$NW$\frac{1}{4}$ sec. 23, T. 11 S., R. 25 E. Drilled observation water-table well in alluvium, diameter 1$\frac{1}{4}$ inches, depth 98 feet. Highest water level 25.02 below lsd, July 11, 1945; lowest 44.55 below lsd, Dec. 31, 1948. Records available: 1944-48, 1950-51. No measurement made in 1952.

119. U. S. Geol. Survey. SE$\frac{1}{4}$NE$\frac{1}{4}$NE$\frac{1}{4}$ sec. 20, T. 11 S., R. 25 E. Drilled observation water-table well in alluvium, diameter 1$\frac{1}{4}$ inches, depth 79 feet. Highest water level 18.80 below lsd, Dec. 28, 1951; lowest 35.56 below lsd, Dec. 31, 1948. Records available: 1944-52. Dec. 26, 32.07.

MINNESOTA

By Robert Schneider

Scope of Water-Level Program

The observation-well program in Minnesota was continued in 1952 in cooperation with the Division of Waters of the State Department of Conservation and the Board of County Commissioners of Hennepin County. Measurements were made in 17 wells, 7 of which were equipped with recording gages. The final report on the geology and ground-water resources of the Cloquet area, Carlton County, was published.[1] As part of the Federal-State cooperative program, field work was started on an investigation of the geology and ground-water conditions in the Redwood Falls area, Redwood County.

Precipitation

The average precipitation for Minnesota in 1952, as reported by the U. S. Weather Bureau, was 22.47 inches or 2.71 inches below the average, the least recorded since 1939. The maximum negative departure from normal (9.08 inches) occurred in the northwest. September and October were the driest months since records were started in 1891. The wettest month was July and the driest was October.

Interpretation of Water-Level Fluctuations

Despite the fact that 1952 was a relatively dry year, the following water-table wells attained new high levels largely as a result of heavy rains in June, July, and August: Carlton County, B49.17.18dcc2, B49.17.22cbb, B49.17.23caa, B49.17.27bab, B49.17.28adc; Clay County, 139.45.1ccd2; and Morrison County, 130.29.8dcc. Significant amounts of recharge were observed in most of the water-table wells during the spring breakup as a result of downward percolation of meltwater from snow and thawing ground. Most of this recharge occurred during the latter part of March and early April. In most of the water-table wells unaffected by pumping there was a net decline as of the end of the year. The maximum decline was 4.68 feet in well 108.30.9add, Brown County.

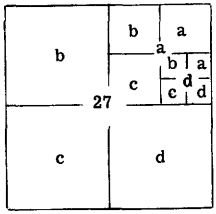
Acknowledgments

The measurements prior to 1951 in wells 117.23.6cab1 and 117.23.11bbd1, Hennepin County, were made by the Hennepin County Highway Department. S. O. Hanson, Cloquet, made the measurements in well B49.17.23caa, Carlton County.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first numeral of a well number indicates the township, the second the range, and the third the section in which the well is situated. The lowercase letters, a, b, c, and d, following the section number locate the well within the section; the first letter denotes the quarter section (160-acre tract), the second the quarter-quarter section (40-acre tract), and the third the quarter-quarter-quarter section (10-acre tract). The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. If the location is known within a 10-acre tract, three lowercase letters are shown in the well number. When more than one well is situated in the smallest significant tract, consecutive numbers beginning with 1 are added as suffixes. Well numbers preceded by the capital letter B designate wells situated in the northwest quadrant of the 4th principal meridian and base line system. Well numbers not preceded by a capital letter designate wells situated in the northwest quadrant of the 5th principal meridian and base line system.

1 Akin, P. D. and Jones, J. R., 1952, Geology and ground-water resources of the Cloquet area, Carlton County, Minn.: Minnesota Div. Waters Bull. 6.



Well Descriptions and Water-Level Measurements

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

Brown County

108.30.9add. Erwin Kjelshus. Drilled unused water-table well in glacial drift, diameter 16 inches, depth 32 feet. Highest water level 2.70 below lsd, May 2, 1951; lowest 12.71 below lsd, Nov. 13, 1950. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	4.91	Apr. 15	3.94	July 15	5.06	Oct. 6	7.57
15	5.12	22	3.77	23	5.26	15	7.90
23	5.22	29	4.12	28	5.54	22	8.15
29	5.29	May 6	4.36	Aug. 5	5.95	29	8.44
Feb. 5	5.40	13	4.48	14	5.40	Nov. 6	7.59
11	5.46	21	4.60	19	5.10	12	8.72
19	5.16	27	4.73	26	5.52	25	9.05
25	5.25	June 3	4.94	Sept. 2	5.48	Dec. 1	9.18
29	5.19	9	4.88	10	6.00	10	9.39
Mar. 17	5.15	18	5.10	17	6.44	16	9.41
25	4.85	25	4.60	24	6.78	24	9.53
Apr. 1	4.08	July 2	4.90	Oct. 1	7.19	30	9.59
8	3.38	7	5.12				

Carlton County

B49.17.18dcc2. Andrew H. Ketola. Dug unused water-table well in glacial gravel, diameter 4 feet, depth 14 feet. Highest water level 5.10 below lsd, May 6, July 29, 1952; lowest 10.38 below lsd, Feb. 27, 1949. Records available: 1949-52.

Jan. 6	7.16	Apr. 7	5.36	July 10	5.70	Oct. 6	7.90
13	7.38	14	5.30	14	6.00	13	8.04
20	7.54	21	5.12	22	5.12	20	8.10
27	7.67	27	5.17	29	5.10	27	8.15
Feb. 3	7.66	May 6	5.10	Aug. 4	5.31	Nov. 4	8.53
10	7.73	12	5.40	11	5.44	12	8.32
17	7.82	19	5.87	18	5.50	18	8.36
24	7.79	26	6.25	26	6.42	24	8.40
Mar. 3	7.85	June 2	6.68	Sept. 1	5.76	Dec. 4	8.55
9	7.85	9	7.06	8	6.20	11	8.48
16	7.86	16	7.40	15	6.60	18	8.58
23	7.72	23	5.36	22	7.16	26	8.62
31	5.30	30	5.38	29	7.62		

B49.17.22cbb. U. S. Bureau of Indian Affairs. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 85 feet. Highest water level 32.12 below lsd, Oct. 4, 1952; lowest 38.17 below lsd, Apr. 8, 1950. Records available: 1949-52.

Jan. 2	34.17	Apr. 5	33.32	July 5	32.77	Oct. 4	32.12
12	34.19	12	33.28	12	32.79	11	32.61
19	33.68	19	33.21	19	32.74	18	32.64
26	33.44	26	33.23	26	32.79	25	32.68
Feb. 2	33.42	May 3	33.09	Aug. 2	32.81	31	32.83
9	33.07	10	33.19	9	32.79	Nov. 7	32.91
16	33.05	17	33.22	16	32.66	15	32.84
23	33.03	24	32.88	23	32.69	22	32.86
Mar. 1	33.21	31	32.91	29	32.64	28	32.89
8	33.32	June 7	32.82	Sept. 6	32.71	Dec. 6	32.91
15	33.31	14	32.81	13	32.21	13	32.87
22	33.28	21	32.83	20	32.19	20	32.90
29	33.31	28	32.79	27	32.16	27	32.96

B49.17.23caa. City of Cloquet. Drilled unused water-table well in glacial sand and gravel, diameter 12 inches, depth 51 feet, screen 26-46. Highest water level 5.67 below lsd, July 21, 1952; lowest 10.83 below lsd, Feb. 7, 1950. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	6.96	Mar. 31	6.25	June 23	7.04	Sept. 8	6.04
14	7.05	Apr. 7	5.91	30	6.20	29	6.48
21	7.20	14	6.05	July 7	6.15	Oct. 6	6.61
Feb. 4	7.35	21	6.12	14	6.33	13	6.67
11	7.42	28	6.46	21	5.67	20	6.84
18	7.51	May 5	6.62	28	5.83	Nov. 3	7.04
25	7.50	12	6.81	Aug. 4	5.74	10	7.20
Mar. 3	7.35	19	6.96	11	5.90	24	7.27
10	7.51	June 2	7.09	18	6.00	Dec. 1	7.34
17	7.00	9	7.17	25	6.14	29	7.74
24	7.14	17	6.98	Sept. 2	5.80		

B49.17.27bab. Marge Bodway. Drilled unused water-table well in glacial drift, diameter 4 inches, depth 52 feet. Highest water level 34.16 below lsd, Oct. 4, 1952; lowest 40.47 below lsd, Apr. 15, 1950. Records available: 1949-52.

Jan. 2	35.59	Apr. 5	35.54	July 5	35.36	Oct. 4	34.16
12	35.63	12	35.49	12	35.33	11	34.32
19	35.66	19	35.62	19	35.27	18	34.36
26	35.67	26	35.65	26	35.19	25	35.19
Feb. 2	35.66	May 3	35.49	Aug. 2	35.22	31	35.11
9	35.63	10	35.47	9	35.26	Nov. 7	35.16
16	35.61	17	35.50	16	35.22	15	35.19
23	35.64	24	35.54	23	35.24	22	35.21
Mar. 1	35.72	31	35.53	29	35.21	28	35.28
8	35.75	June 7	34.43	Sept. 6	35.19	Dec. 6	35.54
15	35.78	14	35.39	13	34.67	13	35.55
22	35.73	21	35.41	20	34.23	20	35.57
29	35.69	28	35.39	27	34.19	27	35.59

B49.17.28adc. James, Alfred, and Laura Jolicoeur. Drilled unused water-table well in glacial drift, diameter 1 inch, depth 15 feet. Highest water level 2.16 below lsd, July 26, 1952; lowest 3.89 below lsd, Sept. 9, 1949. Records available: 1949-52.

Jan. 2	2.83	Apr. 5	2.89	July 5	2.61	Oct. 4	2.69
12	2.87	12	2.92	12	2.64	11	2.78
19	2.89	19	2.96	19	2.59	18	2.82
26	2.92	26	2.99	26	2.16	25	2.89
Feb. 2	2.89	May 3	2.97	Aug. 2	2.38	31	2.87
9	2.82	10	2.92	9	2.42	Nov. 7	2.89
16	2.79	17	2.97	16	2.49	15	2.91
23	2.89	24	2.69	23	2.58	22	2.89
Mar. 1	2.98	31	2.72	29	2.46	28	2.93
8	3.03	June 7	2.74	Sept. 6	2.58	Dec. 6	2.89
15	3.07	14	2.78	13	2.62	13	2.89
22	2.99	21	2.59	20	2.64	20	2.91
29	2.98	28	2.57	27	2.66	27	2.90

Clay County

137.45.30cdb1. City of Barnesville. Drilled unused water-table well in glacial drift, diameter 10 inches, depth 73 feet. Highest water level 3.48 below lsd, May 20, 1950; lowest 7.41 below lsd, Oct. 25, 27, 1949. Records available: 1949-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.97	6.39	6.55	5.45	5.00	5.68	6.16	6.36	6.20	6.58	h6.54	....
2	5.98	6.37	6.54	5.35	5.02	5.73	6.13	6.38	6.18	6.59	....	....
3	6.01	6.40	6.56	5.30	5.09	5.76	5.43	6.35	6.17	6.59	....	....
4	6.02	6.39	6.58	5.29	5.10	5.78	5.32	6.29	6.17	6.59	....	....
5	6.07	6.41	6.59	5.33	5.18	5.81	5.33	6.26	6.21	6.59	....	....
6	6.07	6.41	6.58	5.29	5.23	5.83	5.34	6.27	6.22	6.61	....	h6.56
7	6.08	6.45	6.58	5.20	5.23	5.88	5.41	6.28	6.19	6.59	....	....
8	6.11	6.41	6.57	5.16	5.23	5.90	5.46	6.27	6.20	6.62	h6.68	....
9	6.12	6.39	6.55	5.15	5.29	5.96	5.48	6.25	6.22	6.63	....	....
10	6.11	6.41	6.59	5.15	5.30	5.97	5.54	6.27	6.27	6.63	....	....

137.45.30cdb1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	6.14	6.44	6.57	5.10	5.34	5.98	5.61	6.28	6.30	6.64	....	....
12	6.15	6.46	6.54	5.10	5.37	5.98	5.63	6.30	6.32	6.61	....	....
13	6.13	6.47	6.48	5.08	5.38	6.03	5.67	6.34	6.36	6.64	....	....
14	6.15	6.46	6.41	5.07	5.44	6.07	5.70	6.34	6.37	6.66	....	....
15	6.18	6.45	6.32	5.06	5.49	6.07	5.72	6.38	6.35	....	h6.64	h6.63
16	6.18	6.46	6.24	5.03	5.50	6.05	5.78	6.38	6.35	....	....	....
17	6.19	6.45	6.11	5.01	5.55	6.14	5.82	6.40	6.37	....	....	....
18	6.19	6.45	6.08	5.00	5.55	6.11	5.88	6.43	6.38	h6.61	....	....
19	6.24	6.46	6.12	4.96	5.58	6.12	5.87	6.46	6.40	....	....	....
20	6.24	6.43	6.12	4.91	5.55	6.13	5.87	6.47	6.42	....	....	h6.64
21	6.20	6.46	6.15	4.87	5.58	6.12	5.90	6.48	6.42	....	....	....
22	6.24	6.48	6.11	4.87	5.62	6.13	6.01	....	6.46	....	h6.55	....
23	6.28	6.51	6.09	4.85	5.67	6.11	6.08	h6.47	6.47	....	....	....
24	6.29	6.49	6.13	4.84	5.68	6.11	6.07	....	6.46	....	....	....
25	6.29	6.46	6.13	4.86	5.69	6.12	6.16	....	6.51	....	....	....
26	6.34	6.49	6.15	4.86	5.71	6.16	6.19	....	6.50	....	....	....
27	6.33	6.48	6.10	4.85	5.61	6.15	6.19	6.56	h6.48	....	....	h6.66
28	6.37	6.50	6.04	4.93	5.56	6.13	6.24	6.57	6.56	....	....	....
29	6.35	6.50	5.89	4.97	5.58	6.15	6.26	6.61	6.55	....	h6.53	....
30	6.34		5.70	4.98	5.62	6.15	6.32	....	....	....	....	....
31	6.36		5.56		5.65		6.34	6.35		....		....

h Tape measurement.

139.45.1ccd2. City of Hawley. Drilled unused water-table well in glacial drift, diameter 10 inches, depth 122 feet. Highest water level 12.73 below lsd, Apr. 12, 1952; lowest 18.48 below lsd, July 22, 23, 1950. Records available: 1949-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.17	16.58	16.51	15.51	15.02	16.66	16.33	15.12	14.86	16.18	16.61	.....
2	16.70	16.37	16.13	15.69	15.14	16.99	15.80	15.13	15.50	16.18	16.23	.....
3	16.47	16.01	16.65	15.22	15.21	17.23	15.37	14.60	15.49	16.11	16.48	.....
4	16.59	16.58	16.61	15.13	14.81	17.77	14.97	14.85	15.58	.....	16.46	.....
5	16.63	16.32	16.60	15.01	15.40	17.53	15.04	14.51	15.76	15.81	16.57	.....
6	16.19	16.42	16.43	14.49	15.38	17.46	15.10	14.76	15.72	16.18	16.37	.....
7	16.65	16.22	16.55	14.66	15.52	18.32	15.24	14.68	15.22	16.21	16.37	.....
8	16.33	16.59	16.63	13.69	15.53	16.39	15.14	14.84	15.84	16.71	16.63	.....
9	16.45	16.39	16.20	13.79	15.58	17.17	15.19	14.94	15.65	16.97	16.38	.....
10	16.30	16.07	16.72	13.87	15.78	16.59	15.05	14.43	16.0	16.84	16.77	.....
11	16.52	16.62	16.59	13.73	15.44	16.65	15.42	15.10	15.79	17.00	16.50	.....
12	16.59	16.37	16.59	13.70	15.83	16.69	15.18	15.32	15.97	16.70	16.62	.....
13	16.11	16.42	16.44	.....	15.90	16.86	14.98	15.15	15.95	17.12	16.63	.....
14	16.53	16.43	16.53	.....	15.86	16.91	15.57	15.07	15.32	16.96	16.53	.....
15	16.35	16.55	16.53	13.70	.....	16.16	15.61	14.55	15.86	16.63	16.45	.....
16	16.28	16.57	15.83	13.82	16.0	16.73	15.70	14.44	15.90	16.49	16.09	.....
17	16.31	16.08	16.39	13.83	16.32	16.73	15.65	14.57	15.87	16.53	16.52	.....
18	16.59	16.59	16.29	13.88	15.65	16.83	14.88	14.88	15.85	16.56	16.08	.....
19	16.32	16.45	16.23	13.94	.....	16.68	14.61	14.97	15.97	16.22	.....	.....
20	16.02	16.49	16.16	13.62	15.90	16.71	14.08	15.01	15.98	16.63	.....	.....
21	16.22	16.50	.....	14.43	16.37	16.71	14.41	14.97	15.79	16.52	.....	.....
22	16.03	16.55	16.23	14.2	16.06	16.33	13.83	15.13	16.07	16.93	.....	.....
23	16.33	16.48	15.68	14.31	.....	16.76	14.07	15.27	16.00	16.55	.....	.....
24	16.32	16.11	16.29	14.40	.....	16.81	14.26	14.98	16.17	16.77	.....	.....
25	16.49	16.64	16.38	14.41	15.85	16.59	14.40	15.62	15.99	16.58	.....	.....
26	16.41	16.62	.....	14.55	16.52	16.81	14.1	15.48	16.06	16.25	.....	.....
27	16.03	16.39	16.31	.....	16.56	16.79	13.75	15.43	16.0	16.61	.....	.....
28	16.41	16.48	16.27	14.88	16.69	16.58	14.43	15.38	15.78	16.65	.....	.....
29	16.36	16.70	16.2	14.95	16.76	16.20	14.45	15.64	16.34	16.61	.....	.....
30	16.46		15.64	14.98	16.54	16.81	14.52	15.53	16.15	16.70	.....	.....
31	16.47		15.79		16.85		14.70	14.73		16.85		.....

139.47.5cdc. City of Moorhead. Drilled test and observation water-table well in glacial sand and gravel, diameter 8 inches, depth 131 feet, casing slotted 91-107. Highest water level 12.19 below lsd, July 15, 1947; lowest 24.38 below lsd, Aug. 21, 1952. Records available: 1947-52.

139.47.5cdc--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.54	h22.57	22.52	22.57	.....	23.05	23.28	23.65	23.25	23.86	23.47	23.34
2	22.45	22.53	22.46	22.51	.....	23.75	23.21	h23.64	23.34	23.72	23.39	23.34
3	22.52	22.50	22.56	22.57	h22.69	24.02	23.31	23.69	23.34	23.69	23.38	23.34
4	22.41	22.46	.....	22.52	22.67	23.54	23.26	23.53	23.54	23.65	23.37	23.34
5	22.45	22.58	.....	22.52	22.91	23.42	23.27	23.56	23.48	23.43	23.49	23.38
6	22.31	22.54	.....	22.37	22.87	23.71	23.27	23.54	23.48	23.41	23.43	23.35
7	22.44	22.55	h22.27	22.40	22.82	23.76	23.23	23.59	23.31	23.47	23.42	23.35
8	22.45	22.55	22.52	22.41	22.77	23.77	23.27	23.59	23.40	23.50	23.43	23.30
9	22.52	22.57	22.50	22.35	22.79	23.53	23.37	23.51	23.50	23.50	23.44	23.36
10	22.40	22.45	22.53	22.32	22.78	23.56	23.38	23.51	23.65	23.50	23.36	23.29
11	22.49	22.50	22.62	.....	22.75	23.56	23.45	23.45	23.77	23.56	23.44	23.41
12	22.46	22.53	22.55	22.16	22.80	23.50	23.45	23.47	23.74	23.49	23.44	23.34
13	22.42	22.58	22.62	22.09	22.93	23.48	23.31	23.64	23.88	23.49	23.47	23.38
14	22.47	22.50	22.56	22.06	22.98	23.48	23.28	23.82	23.89	23.51	23.45	23.24
15	22.59	22.52	22.60	22.10	23.03	23.49	23.35	23.85	23.56	23.50	23.44	23.35
16	22.47	22.44	22.46	22.0	22.98	23.47	23.42	23.79	23.54	23.50	23.42	23.35
17	22.61	22.41	22.54	22.07	23.00	23.51	23.48	23.75	23.47	23.48	23.36	23.40
18	h22.32	22.43	22.56	22.01	22.99	23.53	23.48	23.84	23.54	23.48	23.35	23.36
19	.....	22.58	22.62	22.13	23.04	23.53	23.43	23.98	23.62	23.45	23.43	23.39
20	.....	22.45	22.57	22.00	23.04	23.53	23.24	24.08	23.56	23.36	23.37	23.28
21	.....	.....	22.61	22.06	23.04	23.46	23.36	24.38	23.52	23.44	23.43	23.24
22	.....	h22.32	22.56	22.06	23.04	23.35	23.37	23.92	23.49	23.50	23.43	23.17
23	.....	22.47	22.48	22.14	23.08	23.43	23.43	23.87	23.58	23.58	23.30	23.24
24	.....	22.39	22.54	22.13	23.17	23.41	23.43	23.88	23.72	23.55	23.33	23.17
25	h22.43	22.40	22.64	22.24	23.18	23.42	23.50	23.90	23.83	23.57	23.35	23.10
26	22.57	22.42	22.62	22.28	23.19	23.37	23.51	24.00	23.71	23.50	23.35	23.08
27	.....	22.51	22.58	22.41	23.09	23.36	23.51	24.07	23.97	23.47	23.35	23.09
28	.....	22.50	22.58	22.44	23.01	23.29	23.52	23.98	24.00	23.40	23.29	22.98
29	.....	22.55	22.57	22.57	23.07	23.22	23.57	23.90	23.84	23.43	23.35	23.09
30	.....		22.43	.....	22.97	23.29	23.55	23.86	23.84	23.46	23.35	23.06
31	.....		22.55		23.02		23.62	23.51		23.50		23.11

h Tape measurement.

139.47.6aaa. U. S. Geol. Survey. Drilled test and observation water-table well in glacial gravel, diameter 3 inches, depth 103 feet, casing slotted near bottom of well. Highest water level 16.94 below lsd, July 16, 1949; lowest 21.83 below lsd, Dec. 20, 1952. Records available: 1949-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	21.06	Apr. 5	21.30	July 5	21.39	Oct. 4	21.64
11	21.03	12	21.16	11	21.41	10	21.66
18	21.09	19	20.92	18	21.47	17	21.70
25	21.02	26	20.75	25	21.41	24	21.71
Feb. 1	21.08	May 3	20.73	Aug. 2	21.40	31	21.72
8	21.14	10	20.79	9	21.48	Nov. 8	21.75
15	21.17	16	20.86	15	21.50	14	21.54
22	21.19	24	20.91	23	21.54	22	21.66
29	21.22	31	21.04	30	21.54	29	21.80
Mar. 7	21.21	June 6	21.13	Sept. 6	21.56	Dec. 6	21.80
14	21.25	14	21.23	13	21.56	13	21.82
22	21.27	21	21.36	20	21.58	20	21.83
29	21.28	28	21.38	27	21.62	27	21.82

139.48.4dcc1. City of Moorhead. Drilled unused artesian well in glacial sand, diameter 20 inches, depth 242 feet. Highest water level 165.80 below lsd, Mar. 22-29, 1952; lowest 187.50 below lsd, Aug. 29, 1948. Records available: 1947-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	167.49	166.88	.....	.....	168.13	.....	168.94	168.41	168.56	168.75	.....
2	.....	166.97	167.00	.....	.....	168.25	.....	h168.90	168.63	168.99	168.92	.....
3	.....	167.31	167.22	.....	h167.39	168.58	.....	168.88	168.51	169.02	168.97	.....
4	.....	167.24	167.25	.....	167.71	168.72	.....	168.85	168.50	169.13	168.51	.....
5	.....	167.48	167.47	h167.15	167.83	168.86	h168.39	168.89	168.92	168.78	168.61	.....

139.48.4dcc1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	167.47	167.48	.....	167.79	169.15	168.48	168.90	168.96	169.40	168.85h	167.41
7	.....	167.22h	167.28	.....	167.56	.....	166.68	168.89	168.44	169.31	168.53	167.51
8	.....	167.25	.....	.....	167.56	.....	168.81	168.78	168.48	169.63	168.88	167.21
9	.....	167.21	.....	.....	167.71	.....	168.38	168.77	168.49	169.71	168.91	167.89
10	.....	166.95	.....	.....	167.65	.....	168.27	168.58	168.43	169.48	168.54	168.09
11	.....	167.15	.....	.....	167.64	.....	168.99	166.61	168.53	169.32	168.40	168.06
12	.....	167.14	.....	h166.57	167.99	.....	169.16	168.58	168.53	169.01	168.33	168.06
13	.....	.....	.....	.....	168.09	.....	168.87	168.61	168.60	168.90	168.02h	168.29
14	.....	.....	h166.98	.....	167.85h	169.85	168.91	169.17	168.62	169.30	168.07	.....
15	.....	.....	167.30	.....	168.32	.....	168.98	169.57	168.46	169.44	168.12	.....
16	.....	.....	166.92	.....	168.19	.....	168.51	169.09	168.44	169.20	168.17	.....
17	.....	.....	166.80	.....	168.36	.....	168.69	169.11	168.31	169.20	168.11	.....
18	h167.03	.....	166.33	.....	168.36	.....	168.72	169.00	168.38	168.94	167.99	.....
19	167.57	.....	.....	h166.58	168.36	.....	168.78	168.94	168.63	169.17	168.26	.....
20	167.57	.....	.....	.....	168.34	.....	168.49	169.02	168.63	169.23	168.31h	167.42
21	167.53	.....	.....	.....	167.84h	169.44	168.42	169.17	168.60	166.89	168.58	167.66
22	167.78h	167.31h	166.73	.....	168.21	.....	168.72	169.25	168.67	169.05	168.58	167.58
23	167.87	167.13	.....	.....	168.41	.....	168.91	169.11	168.62	168.96	168.48	167.79
24	167.85	167.17	.....	.....	168.82	.....	168.92	168.97	168.54	168.79	168.39	167.81
25	167.28	167.09	.....	.....	168.88	.....	168.86	168.91	166.67	166.68	168.33	167.59
26	167.64	166.91	.....	h166.40	168.87	.....	168.67	168.94	168.64	168.49	168.20	167.56
27	167.79	166.86	.....	.....	168.30	.....	168.77	168.98	168.22	168.74	168.47	167.55
28	167.80	166.77	.....	.....	168.26h	168.42	169.03	169.13	168.44	168.83	168.49	167.20
29	167.75	167.08h	166.16	.....	168.10	.....	168.98	169.13	168.40	168.76	168.46	167.27
30	167.37		.....	.....	168.02	.....	168.92	166.79	168.35	169.18	.....	167.27
31	166.99		.....		168.13		168.95	168.46		168.86		167.12

h Tape measurement.

Dakota County

B28.22.22bdd2. Chicago & Great Western Railway Co. Drilled unused artesian well in Jordan sandstone, diameter 10 inches, reported depth 300 feet. Highest water level 8.00 below lsd, Apr. 14, 1952; lowest 18.19 below lsd, Feb. 1, 1952. Records available: 1951-52.

Daily lowest water level from recorder graph, 1951

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 7	h15.78	Nov. 18	16.00	Nov. 29	17.15	Dec. 17	16.83
13	h15.64	19	16.59	30	17.07	18	17.69
21	h15.28	20	16.90	Dec. 1	16.87	19	17.64
28	h15.16	21	16.77	2	16.28	20	17.66
Oct. 8	h15.41	22	16.21	3	16.77	24	h16.15
12	h15.67	23	16.64	4	16.99	26	h17.12
19	h15.68	24	16.68	5	17.00	27	17.46
26	h16.39	25	16.04	6	17.00	28	17.39
Nov. 2	h15.47	26	16.66	7	16.95	29	17.27
9	h16.55	27	17.01	8	16.67	30	16.50
16	h16.82	28	17.09	10	h15.14	31	17.42
17	16.66						

h Tape measurement.

Daily lowest water level from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.58	18.19	17.41	16.55	10.89	13.62	14.39	14.07	14.85	14.57	15.58	15.95
2	17.43	17.32	16.72	16.25	11.06	14.24	14.29	13.96	15.13	14.54	15.64	16.04
3	17.79	16.68	17.58	16.23	11.30	14.63	14.20	13.64	15.30	14.42	15.96	16.00
4	17.70	17.56	17.79	16.00	11.21	14.67	13.63	13.84	15.37	14.21	15.95	15.95
5	17.56	18.02	17.98	15.09	11.77	14.91	13.66	14.07	15.72	13.97	15.93	15.97
6	16.55	18.13	18.03	14.35	12.05	15.24	13.30	14.05	15.57	14.12	16.00	15.56
7	17.60	18.11	18.06	14.23	11.86	15.13	13.44	14.26	15.24	14.18	15.96	15.30
8	17.87	18.11	17.30	13.75	11.89	14.79	13.82	14.20	15.80	14.14	15.63	15.72
9	17.65	17.70	16.58	13.08	11.90	15.44	14.04	13.85	16.29	14.13	15.32	15.99
10	17.96	16.77	17.05	12.28	11.80	15.52	14.07	13.63	16.33	14.13	15.66	16.03
11	17.89	h16.59	17.58	.....	11.76	15.09	14.23	13.84	16.55	13.68	15.42	16.06
12	17.48	.....	17.80	h9.63	12.27	15.22	14.11	13.97	16.49	13.65	15.94	16.02
13	16.73	.....	17.92	9.41	12.49	15.01	13.62	14.29	16.13	13.97	16.06	15.58
14	17.43	.....	18.13	.....	12.89	14.88	13.80	14.43	15.75	14.93	16.18	15.27
15	17.81	.....	17.00	.....	12.73	14.51	14.10	14.59	16.14	15.16	16.07	15.73

B28.22.22bdd2-- Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	17.85	.....	16.58	.....	12.66	14.72	14.33	14.39	16.33	15.26	15.73	16.57
17	17.87	.....	17.30	.....	12.61	15.11	14.38	14.18	16.30	15.38	15.81	16.30
18	17.78	h16.73	17.58	.....	12.79	15.17	14.51	14.65	16.20	15.06	15.96	16.24
19	17.42	17.56	17.66	.....	13.34	15.25	14.21	14.78	16.20	14.84	15.90	16.31
20	16.73	17.55	17.92	.....	13.51	15.16	13.50	15.00	15.84	15.18	15.83	15.86
21	17.60	17.64	17.82	.....	13.92	14.59	13.65	15.02	15.33	15.26	15.88	15.41
22	17.74	16.85	16.94	.....	13.92	14.37	13.80	15.09	15.71	15.49	15.57	15.83
23	17.63	.....	16.37	.....	13.80	14.43	13.42	14.88	15.92	15.54	15.18	15.97
24	18.08	.....	16.91	.....	13.90	14.75	13.25	14.75	16.10	15.61	15.57	15.86
25	18.12	h16.46	17.61	.....	14.11	14.95	13.27	15.15	15.38	15.48	15.57	15.33
26	17.47	17.65	17.88	.....	14.60	14.87	13.00	15.51	14.95	15.13	15.67	15.87
27	16.92	17.93	17.84	.....	14.28	14.69	12.74	15.61	14.60	15.60	15.34	15.88
28	17.73	18.04	17.85	.....	14.28	14.50	13.14	15.58	14.28	15.57	15.81	15.35
29	18.08	18.09	16.68	.....	14.38	14.26	13.41	15.40	14.35	15.55	15.88	15.95
30	18.00		16.10	h9.18	13.71	14.43	13.67	15.29	14.50	15.74	15.41	16.11
31	18.11		16.65		13.92		13.94	14.88		15.87		16.06

h Tape measurement.

Hennepin County

B29.23.30bda1. Smith Welding & Equipment Co. 2633 Fourth St. S. E., Minneapolis. Drilled unused artesian well in Jordan sandstone, diameter 8 inches, depth 445 feet, reported cased to 262. Highest water level 77.9 below lsd, Apr. 21, Dec. 26, 1952; lowest 115.6 below lsd, June 19, 1952. Records available: 1952.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	98.4	98.0	110.2	92.8	105.1	112.5	98.6	110.8	101.3	.....
2	.....	.....	95.4	99.2	109.0	99.8	106.0	111.5	102.8	112.3	97.6	.....
3	.....	.....	95.2	98.4	106.8	104.1	105.0	106.9	106.2	112.1	100.5	.....
4	.....	.....	96.7	98.0	101.0	106.4	98.5	106.1	109.5	108.3	102.0	.....
5	.....	.....	96.2	96.0	106.1	108.4	97.0	109.2	111.1	103.4	102.0	.....
6	.....	.....	98.0	92.9	107.4	110.3	96.1	108.2	109.6	105.0	105.0	.....
7	.....	.....	97.4	95.0	108.4	110.3	100.0	107.6	103.8	106.6	104.4	.....
8	.....	.....	95.3	98.2	108.4	105.5	104.4	108.4	108.7	108.3	102.3	.....
9	.....	.....	92.6	99.8	107.7	107.4	107.9	107.2	108.9	109.4	97.9	.....
10	.....	.....	95.0	100.0	104.3	110.8	110.7	100.2	111.1	109.5	100.2	.....
11	.....	.....	98.6	98.2	98.2	112.0	112.0	104.8	111.0	107.0	102.8	.....
12	.....	96.2	99.2	95.7	100.2	112.5	111.1	107.2	110.8	102.5	104.4	.....
13	.....	98.0	100.6	91.4	107.6	112.6	108.0	109.5	109.6	107.5	100.8	.....
14	.....	98.2	101.5	95.4	106.7	108.8	109.6	110.6	106.5	108.9	101.5	.....
15	.....	97.8	99.9	97.9	109.5	107.4	108.7	111.7	105.1	108.2	100.0	.....
16	.....	96.3	94.3	94.2	109.3	110.0	110.5	109.0	108.4	107.2	96.7	99.6
17	.....	91.2	95.9	95.5	104.9	112.5	111.1	100.6	109.5	105.8	98.5	101.1
18	.....	92.5	98.9	91.4	101.1	114.7	112.4	106.3	109.4	102.6	101.8	100.8
19	.....	95.7	100.0	89.3	100.1	115.6	109.5	109.2	109.6	97.8	103.1	99.5
20	.....	96.8	100.4	85.5	103.1	113.6	106.0	.....	107.6	103.3	101.2	98.8
21	.....	98.5	100.7	89.2	105.5	109.8	109.0	.....	102.5	106.3	102.1	95.8
22	.....	97.7	98.2	93.8	107.1	106.4	112.4	.....	103.1	108.0	99.4	96.3
23	.....	95.2	94.9	101.9	106.9	107.0	112.0	.....	105.1	108.7	96.2	96.1
24	.....	91.4	96.4	103.5	105.3	107.6	112.4	.....	107.4	108.4	96.9	97.3
25	.....	90.3	100.8	102.8	101.4	108.6	113.0	.....	108.2	105.6	99.5	87.3
26	.....	95.0	99.8	100.1	102.6	111.1	111.2	111.8	108.1	102.9	99.7	90.7
27	.....	97.2	100.3	97.1	105.6	111.8	106.2	114.7	106.9	107.1	97.8	94.6
28	.....	99.1	99.4	100.1	107.9	109.4	108.4	115.3	103.4	107.1	96.8	94.9
29	.....	101.0	97.2	108.8	107.2	106.4	109.1	113.8	104.1	101.8	97.2	95.3
30	.....		94.5	109.6	105.4	103.1	110.5	112.5	109.0	104.0	95.5	97.1
31	.....		94.8		97.1		112.0	102.2		102.5		97.2

B29.24.23cda1. American Bag Co. 109 Portland Ave., Minneapolis. Drilled unused artesian well in St. Peter sandstone, diameter 4 inches, depth 226 feet, reported cased to 162. Highest water level 24.2 below lsd, Jan. 11, 1932; lowest 63.0 below lsd, Aug. 13, 1949. Records available: 1931-32, 1940-41, 1943-46, 1948-52.

B29.24.23cda1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	47.74	.....	48.80	49.31	52.19	53.10	58.65	61.94	61.28	59.09	54.25	49.74
2	47.44	.....	48.80	49.43	52.57	52.52	58.87	62.11	59.92	59.25	54.04	49.85
3	47.50	.....	48.65	49.57	52.86	52.55	59.12	62.11	59.47	59.25	53.41	50.01
4	47.62	h48.41	48.81	49.71	52.95	52.70	59.14	62.00	59.64	59.25	53.10	50.13
5	47.67	.....	48.94	49.71	53.13	53.06	59.14	61.77	59.86	58.92	53.09	50.22
6	47.67	.....	49.10	49.70	53.27	53.47	59.11	61.83	59.93	57.83	53.24	50.22
7	47.56	h48.77	49.19	49.33	53.34	52.89	58.83	61.94	59.93	57.36	53.25	50.13
8	.....	48.98	49.20	49.33	53.40	53.97	58.84	62.04	59.29	57.21	53.25	49.64
9	.....	48.99	49.19	49.43	53.48	54.29	58.98	62.08	59.44	57.13	53.06	49.86
10	.....	48.98	48.83	49.59	53.49	54.63	59.20	62.08	59.76	57.15	52.46	50.09
11	.....	48.66	48.88	49.72	53.49	54.95	59.46	61.28	60.09	57.15	52.18	50.32
12	.....	48.67	49.06	49.72	53.07	55.31	59.62	61.00	60.38	57.01	52.32	50.47
13	.....	48.77	49.23	49.55	52.81	55.63	59.63	61.14	60.63	56.32	52.37	50.47
14	h47.79	48.91	49.37	49.05	52.90	55.94	59.65	61.35	.....	56.04	52.43	50.41
15	.....	49.01	49.39	49.06	52.97	56.01	59.77	61.55	h60.49	56.03	52.43	49.88
16	.....	49.03	49.39	49.35	53.03	56.30	59.97	61.66	60.73	56.00	52.24	49.84
17	.....	49.03	49.12	49.67	53.07	56.55	60.22	61.66	60.86	55.98	51.72	49.97
18	.....	48.73	49.14	49.88	53.07	56.89	60.46	h60.72	60.93	55.88	.....	50.10
19	.....	48.64	49.28	50.01	52.73	57.11	60.61	.....	60.96	55.46	.....	50.19
20	.....	48.73	49.41	50.01	52.64	57.26	60.61	.....	60.96	54.65	.....	50.19
21	h48.10	48.87	49.63	49.80	52.74	57.32	60.63	.....	.....	54.34	.....	50.01
22	.....	48.95	49.64	49.91	52.88	57.31	60.83	.....	59.69	54.42	.....	49.54
23	.....	48.95	49.64	50.03	52.97	57.21	61.00	.....	59.20	54.71	.....	49.53
24	.....	48.92	49.30	.....	53.06	57.43	61.16	.....	59.09	55.07	h50.84	49.65
25	.....	48.55	49.32	.....	53.07	57.71	61.37	h60.80	59.20	55.15	50.87	49.65
26	.....	48.43	49.42	.....	53.10	57.93	61.48	61.15	59.31	55.15	50.85	49.09
27	.....	48.54	49.57	.....	53.24	58.15	61.48	61.41	59.36	54.60	50.80	48.72
28	h48.42	48.66	49.73	h50.71	53.29	58.33	61.50	61.72	59.36	54.51	50.49	48.52
29	.....	48.77	49.74	51.34	53.33	58.34	61.57	61.85	58.86	54.49	50.35	h48.09
30	.....		49.73	51.77	53.33	58.44	61.64	61.94	58.94	54.35	50.20	.....
31	.....		49.31		53.28		61.76	61.94		54.29		.....

h Tape measurement.

117.23.6cab1. City of Wayzata. Drilled artesian well in sandstones of Upper Cambrian age, diameter 16 inches, reported depth 725 feet, reported cased to about 245. Records from 1937-39, 1942-46, 1948-50 by Hennepin County Highway Department. Highest water level 30.4 below lsd, Feb. 24, 1948; lowest 38.6 below lsd, Apr. 13, 1938, Apr. 13, 1939. Records available: 1937-39, 1942-46, 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1937	33.2	Nov. 29, 1943	32.1	Dec. 17, 1951	31.39	June 16, 1952	32.53
Mar. 24	33.7	May 24, 1944	32.0	Jan. 7, 1952	31.00	23	31.86
Aug. 26	37.4	Aug. 30	31.3	14	30.72	30	31.80
Sept. 15	35.7	Mar. 27, 1945	31.2	21	31.09	July 7	31.95
Jan. 11, 1938	32.5	Sept. 13	32.3	Feb. 4	30.97	14	32.09
Apr. 13	38.6	Mar. 28, 1946	31.0	11	31.10	28	32.68
22	33.2	Aug. 30	33.8	18	31.16	Aug. 11	32.68
May 5	33.5	Feb. 24, 1948	30.4	25	31.16	18	32.56
12	34.6	Mar. 15, 1949	31.7	Mar. 3	30.96	25	32.74
Oct. 10	38.4	July 16	35.6	10	30.94	30	32.91
20	36.3	Apr. 11, 1950	33.3	17	30.92	Sept. 6	32.53
Nov. 16	34.9	Nov. 14	33.1	31	30.77	13	33.75
Dec. 12	35.6	Apr. 12, 1951	32.5	Apr. 7	31.08	20	33.12
14	35.6	Oct. 4	31.75	14	31.03	27	33.15
Jan. 13, 1939	35.8	10	31.9	21	30.88	Oct. 4	33.14
Mar. 6	36.3	19	31.99	23	31.0	17	32.61
23	37.9	26	31.93	28	30.99	Nov. 7	32.45
25	38.0	Nov. 2	31.80	May 5	32.00	18	31.87
Apr. 13	38.6	9	31.67	12	31.92	25	32.42
June 9, 1942	37.5	16	31.77	19	31.58	Dec. 8	31.01
Aug. 6	36.3	21	31.36	26	32.03	15	31.32
Dec. 21	33.5	Dec. 3	30.87	June 2	31.58	22	31.29
June 1, 1943	33.1	10	31.22	10	33.35	29	31.13
Aug. 10	33.7						

117.23.11bbd1. Oberg Boat & Supply Co. Orono. Drilled test and observation artesian well in Jordan sandstone, diameter 6 inches, depth 437 feet, cased to 270. Records from 1942-46, 1948-50 by Hennepin County Highway Department. Daily lowest water level from recording gage begins on Nov. 6, 1952. Highest water level 14.39 below lsd, Apr. 21, 1952; lowest 20.8 below lsd, Aug. 6, 1942. Records available: 1942-46, 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 6, 1942	20.8	Jan. 7, 1952	14.82	July 14, 1952	14.82	Nov. 18, 1952	j14.88
Dec. 21	19.3	14	14.65	28	15.28	28	15.66
June 1, 1943	18.0	21	14.86	Aug. 4	15.94	29	j15.44
Aug. 10	19.8	Feb. 4	14.74	11	15.13	30	j15.36
Mar. 25, 1944	17.0	11	14.83	18	15.53	Dec. 1	j15.14
Aug. 29	16.4	18	14.91	25	15.64	2	j14.98
Mar. 27, 1945	15.6	25	14.88	30	15.61	3	j14.94
Aug. 30, 1946	18.3	Mar. 3	14.79	Sept. 6	15.42	8	14.43
Feb. 24, 1948	15.3	10	14.80	13	16.14	9	14.56
Sept. 15	20.1	17	14.78	20	15.86	11	j14.72
Mar. 15, 1949	15.5	31	14.59	27	16.79	14	j14.77
July 16	18.6	Apr. 7	14.72	Oct. 4	16.24	15	j14.73
Apr. 11, 1950	17.1	14	14.62	Nov. 5	14.90	16	j14.72
Apr. 12, 1951	16.2	21	14.39	6	j15.19	17	j14.84
Oct. 4	14.71	28	15.02	7	j15.16	18	j14.86
12	14.83	May 5	15.24	8	j15.05	19	j14.87
19	14.99	12	14.81	9	j15.07	22	j14.70
26	14.94	19	14.74	10	j15.15	24	j14.83
Nov. 2	15.03	26	15.42	11	j15.28	25	j14.81
9	15.07	June 2	14.70	12	j15.22	26	j14.79
16	14.96	10	17.42	13	j15.18	27	j14.79
21	14.90	16	15.38	14	j15.13	29	j14.67
Dec. 3	14.57	23	14.92	15	j15.12	30	j14.77
10	14.80	30	14.79	16	j15.10	31	j14.76
17	15.04	July 7	14.88	17	j15.06		

j From recording gage.

Itasca County

146.27.25cac. Corps of Engineers, U. S. Army. Driven observation water-table well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 30 feet. Water level influenced by impounded Lake Winnibigoshish. Highest water level 16.33 below lsd, Aug. 7, 1950; lowest 24.00 below lsd, Feb. 5, 1949. Records available: 1943-51. Measurement discontinued.

Morrison County

130.29.8dcc. U. S. Geol. Survey. Drilled test and observation water-table well in glacial gravel, diameter 2 inches, depth 59 feet, screen 56-59. Highest water level 9.23 below lsd, Sept. 26, 1952; lowest 13.70 below lsd, Nov. 29, 1949. Records available: 1949-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	10.22	Apr. 4	10.48	July 6	9.51	Oct. 3	9.32
10	10.19	11	10.06	11	9.75	10	9.24
19	10.16	18	9.83	18	9.94	17	9.46
26	10.19	25	9.72	25	9.32	24	9.55
Feb. 1	10.21	May 2	9.61	Aug. 1	9.75	31	9.53
8	10.28	8	9.62	8	9.69	Nov. 7	9.66
18	10.33	16	9.68	16	9.28	14	9.66
23	10.36	23	9.68	22	9.78	21	9.66
29	10.40	31	9.69	28	9.73	29	9.94
Mar. 7	10.46	June 6	9.78	Sept. 5	9.36	Dec. 6	9.94
14	10.50	13	9.82	19	9.24	12	10.11
21	10.53	20	10.22	26	9.23	26	10.26
28	10.65	27	9.95				

St. Louis County

B56.17.4b. Herman A. Katola. Dug domestic water-table well in glacial sand and gravel, diameter 16 inches, depth 10 feet. Highest water level 2.73 below lsd, May 10, 1944; lowest 9.25 below lsd, Feb. 27, Mar. 6, 1949. Records available: 1943-51. Measurement discontinued.

MISSOURI

By J. B. Cooper

Scope of Water-Level Program

Water-level measurements were made in 13 wells in Atchison County in the northwestern part of the State, in 1952 as part of the Tarkio Creek Valley observation-well program. The Tarkio Creek Valley area also includes parts of Montgomery and Page Counties, Iowa. Measurements of the Atchison County wells have been made in conjunction with the Iowa observation-well program. Weekly measurements were continued in 1952 in the well at Trenton, Grundy County. The water levels in the two Phelps County wells were measured monthly by engineers from the Rolla office of the Surface Water Branch.

Interpretation of Water-Level Fluctuations

In the Grundy County well, the maximum fluctuation of water level was 6.15 feet, with the highest reading of 2.20 feet on April 13. The water level was 3.47 feet lower at the end of 1952 than at the end of 1951. Fluctuation of water levels in wells in Atchison County, together with the other wells in the Tarkio Creek area, are discussed in the section of this volume that deals with Iowa.

Well-Numbering System

The numbers assigned to the observation wells show the location of the well according to the rectangular system for subdivision of public land. The system used is explained fully in the Iowa section of this report.

Well Descriptions and Water-Level Measurements

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

Atchison County

Tarkio Creek Valley

66-40-1N1. H. W. Klutas. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 21 feet, lined with tile. Highest water level 4.60 below lsd, Oct. 27, 1941; lowest 14.47 below lsd, Sept. 19, 1934. Records available: 1934-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	9.40	Apr. 24	7.40	July 28	9.12	Nov. 5	9.80
Feb. 25	9.74	May 26	8.56	Aug. 15	9.19	Dec. 9	9.80
Mar. 24	8.05	June 26	8.77	Sept. 22	9.40		

66-40-12N1. Edwin Rolf. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 24 feet. Highest water level 5.32 below lsd, Oct. 27, 1941; lowest 16.76 below lsd, Aug. 28, 1950. Records available: 1937-48, 1950-52.

Jan. 24	13.65	Apr. 24	8.24	July 28	10.48	Nov. 5	9.40
Feb. 25	14.45	May 26	9.87	Aug. 15	11.93	Dec. 9	14.02
Mar. 24	8.67	June 26	8.39	Sept. 22	14.68		

66-40-13A1. George Rolf. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 37 feet. Highest water level 15.96 below lsd, July 18, 1951; lowest 33.00 below lsd, Sept. 25, 1940. Records available: 1937-52.

Jan. 24	25.95	Apr. 24	19.47	July 28	19.58	Sept. 22	26.14
Feb. 25	26.22	May 26	18.65	Aug. 15	22.89	Nov. 5	28.70
Mar. 24	25.58	June 26	19.00				

66-40-13B1. W. R. Marshall. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 29 feet, lined with tile. Highest water level 1.19 below lsd, Sept. 26, 1951; lowest 18.13 below lsd, Feb. 13, 1939. Records available: 1934-48, 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	4.08	Apr. 24	6.10	July 28	7.66	Nov. 5	7.83
Feb. 25	8.37	May 26	7.80	Aug. 15	7.00	Dec. 9	9.80
Mar. 24	7.32	June 26	6.50	Sept. 22	8.00		

66-40-13B2. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 22 feet. Highest water level 0.51 below lsd, Aug. 27, 1951; lowest 14.59 below lsd, Dec. 18, 1939. Records available: 1937-52.

Jan. 24	3.95	Apr. 24	0.78	July 28	4.10	Nov. 5	10.78
Feb. 25	5.45	May 26	2.80	Aug. 15	3.86	Dec. 9	4.07
Mar. 24	8.08	June 26	2.10	Sept. 22	5.10		

66-40-13B3. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 28 feet. Highest water level 7.44 below lsd, May 26, 1945; lowest 24.56 below lsd, Jan. 25, 1944. Records available: 1937-52.

Jan. 24	17.60	Apr. 24	7.93	July 28	15.48	Sept. 22	19.64
Feb. 25	18.75	May 26	11.28	Aug. 15	18.07	Nov. 5	21.63
Mar. 24	13.50	June 26	12.73				

66-40-13C1. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 19 feet. Highest water level 3.79 below lsd, June 23, 1947; lowest 17.74 below lsd, Dec. 18, 1939. Records available: 1937-52.

Jan. 24	13.87	Apr. 24	4.45	July 28	9.50	Nov. 5	11.69
Feb. 25	13.90	May 26	8.20	Aug. 15	10.84	Dec. 9	12.50
Mar. 24	7.48	June 26	7.90	Sept. 22	10.69		

66-40-13C2. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 27 feet. Highest water level 9.47 below lsd, June 23, 1947; lowest 18.68 below lsd, Mar. 27, 1941. Records available: 1937-52.

Jan. 24	11.00	Apr. 24	12.64	July 28	14.02	Nov. 5	11.35
Feb. 25	15.40	May 26	9.48	Aug. 15	12.28	Dec. 9	11.92
Mar. 24	13.44	June 26	12.88	Sept. 22	14.60		

66-40-13D1. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 16 feet. Highest water level 1.26 below lsd, Mar. 26, 1946; lowest 12.58 below lsd, Jan. 30, 1941. Records available: 1937-52.

Jan. 24	8.70	Apr. 24	2.54	July 28	2.72	Nov. 5	5.33
Feb. 25	3.05	May 26	2.90	Aug. 15	2.53	Dec. 9	3.77
Mar. 24	2.62	June 26	2.45	Sept. 22	2.88		

66-40-26R1. J. A. McAllister. Drilled observation water-table well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 17 feet. Highest water level 0.10 below lsd, June 23, 1947; lowest 11.76 below lsd, Jan. 30, 1939. Records available: 1937-52.

Jan. 24	3.20	Apr. 24	3.18	July 28	3.73	Nov. 5	4.82
Feb. 25	3.70	May 26	3.82	Aug. 15	5.50	Dec. 9	2.92
Mar. 24	3.60	June 26	2.20	Sept. 22	3.60		

66-40-35H1. J. A. McAllister. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 17 feet. Highest water level 3.59 below lsd, Feb. 25, 1952; lowest 15.77 below lsd, Dec. 18, 1939. Records available: 1937-52.

Jan. 24	5.63	Apr. 24	8.50	July 28	9.07	Nov. 5	10.02
Feb. 25	3.59	May 26	8.74	Aug. 15	8.22	Dec. 9	9.56
Mar. 24	7.29	June 26	8.52	Sept. 22	10.82		

65-40-10R1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 30 feet. Highest water level 8.77 below lsd, June 23, 1947; lowest 27.94 below lsd, Dec. 18, 1939. Records available: 1937-52.

Jan. 24	19.20	Apr. 24	13.60	July 28	12.79	Nov. 5	17.70
Feb. 25	18.95	May 26	13.40	Aug. 15	10.49	Dec. 9	14.30
Mar. 24	16.98	June 26	14.27	Sept. 22	15.36		

65-40-11E1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 32 feet. Highest water level 8.67 below lsd, June 23, 1947; lowest dry, May 2, 1938, winter 1939, Apr. 24, 1941. Records available: 1937-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	17.80	May 26	14.60	Aug. 15	18.61	Nov. 5	17.50
Mar. 24	15.44	June 26	11.26	Sept. 22	15.50	Dec. 9	17.59
Apr. 24	11.80	July 28	14.50				

Grundy County

61-24-17R1. W. W. Brummitt. 105 East Fourth St., Trenton. Dug unused water-table well in glacial drift, diameter 3 feet, depth 21 feet, cribbed with rock. Highest water level 0.03 below lsd, June 21, 1947; lowest 8.96 below lsd, Feb. 11, 1951. Records available: 1942-52.

Jan. 6	5.10	Apr. 6	2.60	July 6	5.30	Oct. 5	7.40
14	5.29	13	2.20	13	5.40	12	7.70
20	5.10	20	2.54	20	5.80	19	7.90
27	5.15	27	2.40	27	5.90	26	8.05
Feb. 3	5.30	May 4	2.70	Aug. 3	6.10	Nov. 2	8.15
11	5.15	11	2.90	10	6.30	9	8.20
17	5.00	18	3.60	17	6.40	16	8.22
24	4.90	25	3.58	24	6.67	23	8.30
Mar. 2	4.85	June 1	3.80	31	6.80	30	8.26
9	3.70	8	4.30	Sept. 7	6.10	Dec. 7	8.32
16	2.50	15	4.40	14	6.36	14	8.28
23	2.25	22	4.90	20	6.30	21	8.35
30	2.30	29	4.55	28	7.25	30	8.27

Jasper County

29-34-22H1. Barnsdale Zinc Co. SE¼NE¼ sec. 22, T. 29 N., R. 34 W. Drilled unused water-table well in Roubidoux sandstone, depth 901 feet. In previous reports this well was erroneously reported as Cherokee Kansas well 105a. Highest water level 123.53 below lsd, Jan. 30, 1952; lowest 161.55 below lsd, Nov. 27, Dec. 27, 1943. Records available: 1942-44, 1950-52.

Jan. 30	123.53	May 2	125.60	Aug. 30	129.83	Nov. 28	131.60
Feb. 28	123.96	June 13	127.40	Oct. 3	132.23	Dec. 31	133.90
Mar. 28	124.05	30	128.52				

Phelps County

37-10-24A1. Fred Pillman. NE¼NE¼ sec. 24, T. 37 N., R. 10 W. Arlington. Dug and drilled water-table well in Gasconade dolomite, diameter 6 inches, depth 15 feet. Highest water level 4.16 below lsd, Apr. 2, 1945; lowest dry at 13.61 on many dates. Records available: 1942-52.

Jan. 2	6.68	Mar. 31	5.70	May 29	7.79	July	10.92
31	7.13	Apr. 30	5.70	June 30	11.14	Sept. 2	10.70
Feb. 29	6.60						

37-10-13K1. S. V. Allen. NW¼SE¼ sec. 13, T. 37 N., R. 10 W. Jerome. Drilled water-table well in Gasconade dolomite, diameter 6 inches, depth 34 feet. Highest water level 4.38 below lsd, Apr. 2, 1945; lowest 9.65 below lsd, Jan. 1, 1945. Records available: 1942-52.

Jan. 2	6.77	Mar. 31	6.50	Oct. 2	8.86	Dec. 1	7.84
31	7.14	Apr. 30	6.30	30	8.51	31	7.48
Feb. 29	7.00						

NEBRASKA

By C. F. Keech

Scope of Water-Level Program

The observation-well program in Nebraska, begun in 1934 in cooperation with the Conservation and Survey Division, University of Nebraska was continued in 1952. Many of the well records in this report have been compiled as a part of the Missouri Basin Development program. As a result of this participation, the number of measurements made and the number of wells in which water-level measurements are obtained has been increased. Wells in which water-level measurements have been made and are not listed in this report, but which have been published in previous water-level reports, are kept in open file pending publication in other forms. Measurements of water levels made in 411 wells are included in this report. A map showing the location of the observation wells is shown in figure 12. The following organizations cooperated informally: Fish and Wildlife Service in Garden County; Central Nebraska Public Power and Irrigation District in Lincoln County; Platte Valley Public Power and Irrigation District in Keith County, and State Department of Roads and Irrigation in Morrill County.

Precipitation

The average annual precipitation in Nebraska in 1952 was 20.34 inches, 1.92 inches below normal and 10.06 inches below that of 1951.

Pumpage

The following tables give the total pumpage for the part of the Lincoln public supply pumped from the well field at Ashland and for the Grand Island supply. About 85 percent of the Lincoln public supply is pumped from 12 wells in the flood plain of the Platte River, about 3 miles north of Ashland. Pumping from the Ashland well field began in 1932 and by the end of 1952, a total of approximately 68,663 million gallons had been withdrawn from the ground-water reservoir. The public supply at Grand Island is pumped from a group of wells in the Platte River valley in sands and gravels of Pleistocene age.

Monthly pumpage, in millions of gallons, from the Ashland well field for the public supply of Lincoln in 1952

Month	Pumpage	Month	Pumpage	Month	Pumpage
Jan.	356.8	May	420.3	Sept.	460.3
Feb.	338.9	June	421.5	Oct.	464.5
Mar.	362.2	July	427.4	Nov.	407.1
Apr.	370.1	Aug.	421.8	Dec.	392.5

Monthly pumpage, in millions of gallons, for the public supply of Grand Island in 1952

Month	Pumpage	Month	Pumpage	Month	Pumpage
Jan.	276.9	May	310.6	Sept.	409.3
Feb.	251.3	June	418.3	Oct.	363.8
Mar.	264.6	July	427.1	Nov.	311.6
Apr.	270.3	Aug.	436.0	Dec.	298.1

Interpretation of Water-Level Fluctuations

Ground-water supplies are drawn upon extensively for irrigation in the lower Platte River valley. More than 5,500 irrigation wells are known to exist in the area, the greatest concentrations of these being in Dawson, Buffalo, Hall, and Merrick Counties. Well 9-14-19dd, an irrigation well situated in the lower Platte River valley in an area heavily pumped for irrigation,

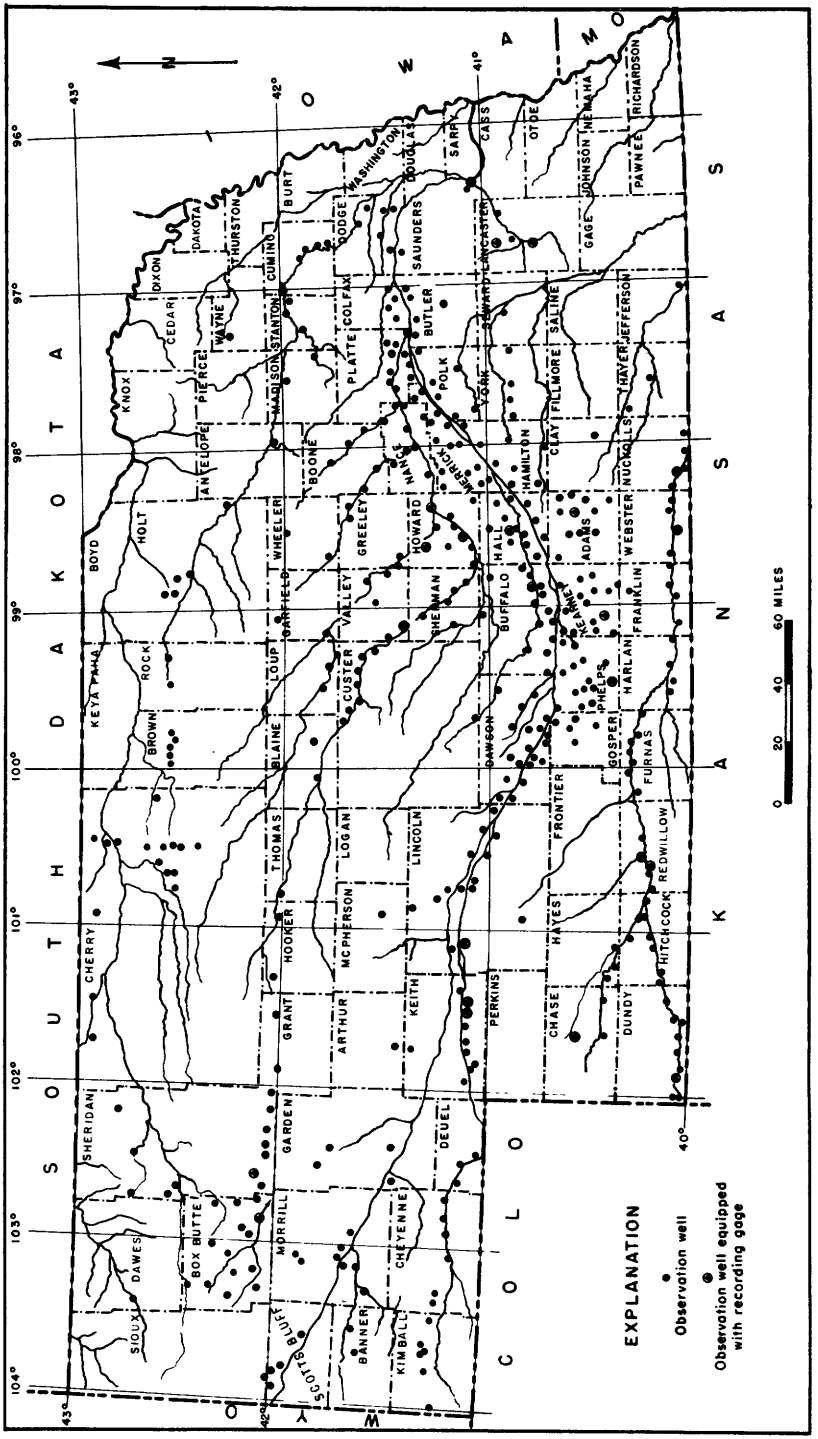


Figure 12.--Location of observation wells in Nebraska, 1952.

reflects the regional water-level fluctuations. It reached the low point in the late summer of 1941. Since 1941 the water level has been rising and in January 1952 was within 1 foot of the record high of 1931. The water table has shown remarkable recovery in this region even though the number of irrigation wells has been increased. The rising water table during 1942 to 1952 was the result of recharge to the ground-water reservoir by increased precipitation. The 22-year period of record of water-level measurements in well 9-14-19dd spans an 11-year period of deficient precipitation followed by an 11-year period of above-normal precipitation. The precipitation record at Kearney shows that during the 11-year period 1931-41 the precipitation was about 57 inches below normal, a deficiency greater than 2 years of normal precipitation. The precipitation during the 11-year period 1942-52 inclusive was about 16 inches above normal, a surplus equivalent of about two-thirds of a year's normal precipitation.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. Thus, the number A1-10-27adc indicates that the well is in the SW¼SE¼NE¼ sec. 27, T. 1 N., R. 10 E. The first lowercase letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. When there is more than one well in the smallest tract, numbers are added as suffixes. The State has been divided into two principal divisions. The well numbers east of the sixth principal meridian are preceded by the capital letter A. Those west of the sixth principal meridian have no preceding letter.

Well Descriptions and Water-Level Measurements

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

Adams County

5-9-9dc. Dan McClarry. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 142 feet. Land-surface datum is 1,794.23 feet above msl. Highest water level 35.65 below lsd, May 26, 1949; lowest 37.70 below lsd, Aug. 20, 1947. Records available: 1947-52. Feb. 6, 37.27; June 17, 37.35.

6-9-4cb. J. P. Larson. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 145 feet. Land-surface datum is 1,891.85 feet above msl. Highest water level 102.62 below lsd, June 17, 1952; lowest 103.40 below lsd, Nov. 17, 1947. Records available: 1947-52. June 17, 102.62.

6-10-23bb. U. S. Geol. Survey. Driven observation water-table well in sand and clay, diameter 1 inch, depth 18 feet. Land-surface datum is 1,815.27 feet above msl. Highest water level 2.05 below lsd, May 26, 1949; lowest 10.43 below lsd, Apr. 12, 1937. Records available: 1936-40, 1942, 1946-52. Feb. 6, 6.66; June 17, 5.75.

6-11-22cc. Owner unknown. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 145 feet. Highest water level 90.26 below lsd, Oct. 24, 1951; lowest 91.83 below lsd, Mar. 15, 1951. Records available: 1950-52. Feb. 6, 90.28; June 17, 90.55.

7-9-12dc. Eugene Halloran. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 205 feet. Land-surface datum is 1,890.48 feet above msl. Highest water level 110.61 below lsd, June 17, 1952; lowest 111.53 below lsd, June 28, 1948. Records available: 1948-52. Feb. 6, 110.73; June 17, 110.61.

7-10-23ab. Henry Fricke. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 155 feet. Land-surface datum is 1,927 feet above msl. Highest water level 99.95 below lsd, Jan. 22, Mar. 14, 1935; lowest 102.96 below lsd, Sept. 18, 1948. Records available: 1934-38, 1948-52. Recording gage removed.

Daily lowest water level from recorder graph

Day	Feb.	Mar.	June	July	Aug.	Day	Feb.	Mar.	June	July	Aug.
1	.....	101.73	.....	102.19	102.17	6	101.70	101.73	.....	102.21	102.21
2	.....	101.72	.....	102.22	102.22	7	101.70	101.72	.....	102.25	102.18
3	.....	101.73	.....	102.23	102.21	8	101.78	101.69	.....	102.22	102.16
4	.....	101.74	.....	102.20	102.20	9	101.73	101.67	.....	102.10	102.22
5	.....	101.74	.....	102.18	102.20	10	101.72	101.72	.....	102.14	102.23

7-10-23ab--Continued.

Day	Feb.	Mar.	June	July	Aug.	Day	Feb.	Mar.	June	July	Aug.
11	101.72	101.73	.....	102.31	102.23	22	101.72	101.72	102.21	102.31	.....
12	101.68	101.80	.....	102.32	.....	23	101.72	101.72	102.13	102.21	.....
13	101.72	101.81	.....	102.32	.....	24	101.77	101.72	102.18	102.17	.....
14	101.76	101.77	.....	102.19	.....	25	101.77	101.72	102.24	102.34	.....
15	101.75	101.76	.....	102.09	.....	26	101.69	101.75	102.22	102.30	.....
16	101.71	101.71	.....	102.02	.....	27	101.69	101.74	102.20	102.17	.....
17	101.70	101.67	.....	102.03	.....	28	101.71	101.71	102.23	102.28	.....
18	101.68	101.72	.....	102.03	.....	29	101.74	101.68	102.21	102.20	.....
19	101.78	101.73	102.18	102.03	.....	30		.....	102.16	102.20	.....
20	101.77	101.75	102.20	102.03	.....	31		.....		102.22	.....
21	101.76	101.75	102.20	102.22	.....						

7-11-3cb. Vic Katzberg. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 182 feet. Land-surface datum is 2,020.04 feet above msl. Highest water level 110.74 below lsd, June 17, 1952; lowest 112.20 below lsd, May 11, 1948. Records available: 1947-52. Feb. 6, 110.84; June 17, 110.74.

7-12-15ca. Roscoe Karr. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 180 feet. Land-surface datum is 2,056.9 feet above msl. Highest water level 94.89 below lsd, Oct. 24, 1951; lowest 98.05 below lsd, Nov. 17, 1947. Records available: 1947-51. No measurement made in 1952.

8-9-14ac. Charles Anderson. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 149 feet. Land-surface datum is 1,907.71 feet above msl. Highest water level 107.78 below lsd, June 17, 1952; lowest 113.35 below lsd, Aug. 6, 1949. Records available: 1948-52. Feb. 6, 108.11; June 17, 107.78.

8-10-26da. Staltz. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 162 feet. Highest water level 96.10 below lsd, Aug. 22, 1951; lowest 97.43 below lsd, June 3, 1949. Records available: 1948-52. Feb. 6, 96.26; June 17, 96.46.

8-12-8ab. E. Woodman. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 85 feet. Land-surface datum is 2,009.14 feet above msl. Highest water level 6.15 below lsd, July 8, 1949; lowest 9.72 below lsd, Sept. 7, 1946. Records available: 1946-52. Jan. 14, 7.11; Mar. 20, 6.77; Oct. 24, 9.25.

Antelope County

24-6-2aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 16 feet. Highest water level 0.05 below lsd, May 29, 1951; lowest 7.88 below lsd, Sept. 12, 1935. Records available: 1934-42, 1944-52. Jan. 29, 2.39.

Arthur County

17-38-21bd. U. S. Geol. Survey. Drilled observation water-table well in fine sand, diameter 2 inches, depth.65 feet. Highest water level 29.48 below lsd, Dec. 4, 1934; lowest 32.95 below lsd, May 22, 1951. Records available: 1934-42, 1944, 1951-52. July 3, 32.53.

Banner County

19-54-15bb. Bert Rodgers. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 50 feet. Highest water level 22.40 below lsd, July 13, 1949; lowest 32.81 below lsd, Sept. 19, 1952. Records available: 1949-52. Mar. 31, 23.21; Sept. 19, 32.81.

19-55-29ac. Fred Grant. Dug unused water-table well in sand of Pleistocene age, concrete lining, size 6 by 8 feet, depth 44 feet. Highest water level 26.38 below lsd, Oct. 27, 1938; lowest 36.40 below lsd, May 18, 1951. Records available: 1934-42, 1949-52. Mar. 31, 32.04; Sept. 19, 31.69.

Blaine County

22-24-33ca. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 13 feet. Highest water level 1.04 below lsd, Mar. 8, 1950; lowest 6.97 below lsd, Aug. 8, 1951. Records available: 1934-52.

22-24-33ca--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	3.69	Apr. 16	3.35	July 23	4.93	Oct. 15	4.90
23	3.32	29	3.40	Aug. 5	4.88	28	4.70
Feb. 4	3.10	May 12	3.48	19	4.85	Nov. 12	4.60
20	3.22	28	2.16	Sept. 17	5.25	25	4.45
Mar. 5	3.48	June 12	3.56	23	5.27	Dec. 12	4.34
17	2.60	26	4.16	Oct. 2	5.05	24	4.28
Apr. 2	3.08	July 9	4.62				

23-22-22cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 22 feet. Land-surface datum is 2,496.6 feet above msl. Highest water level 15.43 below lsd, Oct. 18, 1951; lowest 18.12 below lsd, July 23, 1940. Records available: 1936-42, 1949-52. Oct. 10, 15.87.

Boone County

18-7-4ca. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 22 feet. Highest water level 10.82 below lsd, July 24, 1950; lowest 15.17 below lsd, Oct. 26, 1940. Records available: 1937-42, 1948-52. Aug. 12, 11.88; Oct. 28, 13.25.

19-5-28cd. Lawrence Bryan. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, reported depth 147 feet. Highest water level 31.62 below lsd, July 25, 1950; lowest 34.88 below lsd, Sept. 29, 1948. Records available: 1948-52. Aug. 13, 34.06.

19-8-16cc. Charles J. Dresch. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, reported depth 165 feet. Highest water level 43.66 below lsd, May 8, 1951; lowest 46.11 below lsd, Aug. 4, 1949. Records available: 1948-52. Aug. 12, 44.99.

20-6-23bb. W. W. Redler. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 22 inches, depth 100 feet. Highest water level 28.15 below lsd, July 25, 1950; lowest 32.55 below lsd, Sept. 28, 1948. Records available: 1948-52. Aug. 13, 30.14.

21-7-26ca. U. S. Geol. Survey. Drilled observation water-table well in loess of Pleistocene age, diameter 3 inches, depth 24 feet. Highest water level 14.13 below lsd, Aug. 22, 1950; lowest 21.07 below lsd, Oct. 14, 1938. Records available: 1936-42, 1948-51. No measurement made in 1952.

Box Butte County

24-47-1db. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 19 feet. Land-surface datum is 3,909.4 feet above msl. Highest water level 11.14 below lsd, Mar. 25, 1948; lowest 12.45 below lsd, May 14, 1946. Records available: 1946-52. June 30, 11.82.

24-48-10bb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 26 feet. Land-surface datum is 3,941.1 feet above msl. Highest water level 9.82 below lsd, July 14, 1949; lowest 12.85 below lsd, Sept. 5, 1951. Records available: 1946-52.

July 1	11.75	July 18	11.93	Aug. 4	12.14	Aug. 21	12.37
2	11.75	19	11.94	5	12.15	22	12.38
3	11.76	20	11.95	6	12.17	23	12.40
4	11.77	21	11.96	7	12.19	24	12.41
5	11.77	22	11.97	8	12.20	25	12.42
6	11.78	23	11.98	9	12.22	26	12.44
7	11.79	24	11.99	10	12.24	27	12.45
8	11.80	25	12.00	11	12.25	28	12.46
9	11.82	26	12.00	12	12.27	29	12.47
10	11.83	27	12.02	13	12.28	30	12.48
11	11.85	28	12.03	14	12.29	31	12.48
12	11.86	29	12.04	15	12.30	Sept. 1	12.49
13	11.87	30	12.05	16	12.32	2	12.49
14	11.89	31	12.07	17	12.33	3	12.50
15	11.90	Aug. 1	12.08	18	12.34	4	12.50
16	11.91	2	12.10	19	12.35	5	12.50
17	11.92	3	12.12	20	12.36	6	12.51

24-48-10bb--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 7	12.52	Dec. 11	12.53	Dec. 15	12.55	Dec. 19	12.55
8	12.52	12	12.53	16	12.55	20	12.55
9	12.52	13	12.54	17	12.55	21	12.56
10	12.53	14	12.55	18	12.55		

24-52-13cbb1. Dr. G. D. Shepard. Drilled domestic water-table well in sand of Tertiary age, diameter 6 inches, depth 85 feet. Highest water level 74.35 below lsd, Sept. 14, 1949; lowest 78.55 below lsd, Sept. 1, 1948. Records available: 1938, 1940, 1942, 1944, 1946-52. July 1, 78.36.

24-52-35aa. G. Arthur Bailey. Drilled stock water-table well in Harrison sandstone, diameter 4 inches, depth 120 feet. Highest water level 97.61 below lsd, July 22, 1940; lowest 99.13 below lsd, May 9, 1946. Records available: 1938-41, 1946-51. No measurement made in 1952.

25-48-4ddd1. U. S. Geol. Survey. Drilled observation water-table well in sand of Marsland formation of Tertiary age, diameter $1\frac{1}{4}$ inches, depth 98 feet. Land-surface datum is 4,032.95 feet above msl. Highest water level 63.14 below lsd, Jan. 25, 1950; lowest 64.86 below lsd, June 30, 1952. Records available: 1946-52. June 30, 64.86.

25-48-30ad. Mrs. Effie A. Wells. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 21 feet. Highest water level 12.54 below lsd, July 11, 1946; lowest 15.40 below lsd, July 22, 1940. Records available: 1938-42, 1944, 1946-47, 1949-52. July 1, 14.40.

25-50-31ab1. Martin Jacobsen. Drilled unused water-table well in sand of Arikaree group of Tertiary age, diameter 6 inches, depth 109 feet. Land-surface datum is 4,220.29 feet above msl. Highest water level 100.52 below lsd, Jan. 23, 1950; lowest 103.41 below lsd, Oct. 20, 1941. Records available: 1934-42, 1944, 1946-51. No measurement made in 1952.

26-47-35dd. U. S. Geol. Survey. Driven observation water-table well in sandstone of Ogallala formation of Tertiary age, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 3,900.9 feet above msl. Highest water level 11.83 below lsd, Mar. 26, 1948; lowest 13.81 below lsd, Oct. 17, 1950. Records available: 1946-52. July 1, 13.03.

26-50-12dc. Mrs. L. A. Rosenberg. Dug domestic water-table well in sandstone of Tertiary age, concrete lining, diameter 4 feet, depth 106 feet. Land-surface datum is 4,231.51 feet above msl. Highest water level 100.43 below lsd, Apr. 17, 1951; lowest 102.38 below lsd, Nov. 12, 1946. Records available: 1938-42, 1946-51. No measurement made in 1952.

26-51-25bcc1. O. T. Wilkins. Drilled stock water-table well in sandstone of Tertiary age, diameter 4 inches, depth 108 feet. Land-surface datum is 4,299.23 feet above msl. Highest water level 95.43 below lsd, Sept. 5, 1951; lowest 96.50 below lsd, Feb. 19, 1947. Records available: 1938-42, 1944, 1946-51. No measurement made in 1952.

26-52-10bc. G. E. Dyer. Drilled irrigation water-table well in Harrison sandstone of Tertiary age, diameter 24 inches, depth 198 feet. Land-surface datum is 4,436 feet above msl. Highest water level 93.37 below lsd, July 22, 1938; lowest 101.02 below lsd, Sept. 1, 1948. Records available: 1938-40, 1942, 1946-52. July 1, 94.43.

27-47-23bad. J. F. Shramek. Drilled unused water-table well in Harrison sandstone of Tertiary age, diameter 6 inches, depth 64 feet. Land-surface datum is 3,889.77 feet above msl. Highest water level 16.34 below lsd, Sept. 13, 1949; lowest 29.94 below lsd, Nov. 2, 1940. Records available: 1938-42, 1944, 1946-52. July 1, 20.65.

27-49-21cb. Edward S. Wildy. Drilled stock water-table well in sand of Arikaree group of Tertiary age, diameter 4 inches, depth 156 feet. Highest water level 115.45 below lsd, Sept. 13, 1949; lowest 119.41 below lsd, Oct. 20, 1941. Records available: 1935-42, 1944-52. July 1, 117.11.

27-51-6bb. Louis Homrighausen. Drilled unused water-table well in Harrison sandstone of Tertiary age, diameter 6 inches, depth 225 feet. Land-surface datum is 4,493.56 feet above msl. Highest water level 219.80 below lsd, Oct. 17, 1950; lowest 223.55 below lsd, Nov. 22, 1949. Records available: 1946-52. July 1, 222.78.

Brown County

30-21-19cc. Consumers Public Power District. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 57 feet. Land-surface datum is 2,509.07 feet above msl. Highest water level 34.43 below lsd, Nov. 5, 1952; lowest 40.12 below lsd, Jan. 13, 1948. Records available: 1947-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	34.97	Apr. 28	34.69	Aug. 8	34.67	Nov. 5	34.43
Feb. 28	34.89	May 26	34.60	Sept. 2	34.53	Dec. 1	34.47
Mar. 27	34.82	June 30	34.55	Oct. 6	34.45	31	34.59
Apr. 23	34.75	July 30	34.60				

30-22-27dc. T. S. Bower. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 9 inches, depth 59 feet. Land-surface datum is 2,533.79 feet above msl. Highest water level 12.40 below lsd, July 5, 1951; lowest 18.87 below lsd, Aug. 9, 1937. Records available: 1934-45, 1947-52. Apr. 23, 13.28; June 23, 13.21; Aug. 18, 14.25; Nov. 14, 15.11.

30-23-13bc. M. A. Miles. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 80 feet. Land-surface datum is 2,572.7 feet above msl. Highest water level 35.75 below lsd, Apr. 23, 1952; lowest 39.50 below lsd, Nov. 20, 1944. Records available: 1941, 1944, 1947-52. Apr. 23, 35.75; June 23, 35.84; Aug. 18, 36.52; Nov. 14, 36.29.

30-23-21bc. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 13 feet. Land-surface datum is 2,583.47 feet above msl. Highest water level 0.29 below lsd, Apr. 23, 1952; lowest 3.22 below lsd, July 6, 1950. Records available: 1950-52. Apr. 23, 0.29; June 23, 0.72; Nov. 14, 1.52.

30-24-14cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 19 feet. Land-surface datum is 2,525.7 feet above msl. Highest water level 12.65 below lsd, June 12, 1951; lowest 13.77 below lsd, Feb. 9, 1951. Records available: 1951-52. Jan. 28, 13.42; Apr. 23, 12.87. Measurement discontinued.

Buffalo County

8-16-12cc. M. M. Garvin. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 29 feet. Land-surface datum is 2,139.27 feet above msl. Highest water level 1.58 below lsd, May 9, 1933; lowest 7.80 below lsd, Jan. 7, 1947. Records available: 1930, 1932-52. Jan. 11, 4.65; Mar. 7, 5.38; May 14, 4.58; Oct. 2, 5.72.

8-17-1da. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 18 feet. Land-surface datum is 2,185.52 feet above msl. Highest water level 4.18 below lsd, Oct. 7, 1946; lowest 11.90 below lsd, Nov. 3, 1934. Records available: 1931-52. Jan. 11, 8.01; Mar. 7, 7.56; May 20, 6.99; Oct. 3, 8.98.

9-13-5cb. F. M. Scott. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 52 feet. Land-surface datum is 2,050.13 feet above msl. Highest water level 16.54 below lsd, May 20, 1931; lowest 22.92 below lsd, Oct. 4, 1948. Records available: 1930-52. Jan. 9, 17.80; May 14, 17.10.

9-14-1dc. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 37 feet. Land-surface datum is 2,060.43 feet above msl. Highest water level 15.36 below lsd, June 11, 1952; lowest 19.79 below lsd, Sept. 5, 1946. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.47	16.32	16.26	16.02	15.82	15.52	15.70	17.24	17.88	17.82	17.83	17.84
2	16.47	16.32	16.25	16.01	15.82	15.48	15.93	17.10	17.87	17.83	17.87	17.83
3	16.47	16.29	16.25	16.08	15.82	15.48	16.14	17.00	17.84	17.81	17.87	17.83
4	16.43	16.29	16.27	16.08	15.78	15.45	16.02	17.22	17.81	17.82	17.85	17.84
5	16.42	16.31	16.27	16.08	15.77	15.45	16.13	17.26	17.80	17.83	17.84	17.84
6	16.42	16.31	16.27	16.07	15.76	15.43	15.88	17.31	17.78	17.84	17.86	17.83
7	16.40	16.33	16.27	16.03	15.76	15.43	15.87	17.36	17.78	17.84	17.85	17.82
8	16.40	16.34	16.27	16.07	15.76	15.42	15.83	17.39	18.02	17.83	17.85	17.81
9	16.43	16.33	16.23	16.07	15.78	15.40	15.77	17.42	18.03	17.83	17.85	17.83
10	16.45	16.31	16.23	16.07	15.78	15.37	15.74	17.25	17.97	17.82	17.65	17.83
11	16.43	16.31	16.23	15.98	15.77	15.36	15.98	17.16	17.89	17.83	17.84	17.89
12	16.43	16.29	16.22	16.00	15.76	15.74	16.12	17.08	17.86	17.82	17.84	17.90
13	16.42	16.30	16.28	16.01	15.74	15.78	16.00	17.20	17.85	17.82	17.83	17.90
14	16.40	16.32	16.29	16.01	15.65	16.02	15.97	17.43	17.86	17.85	17.82	17.90
15	16.41	16.32	16.29	15.99	15.67	15.83	15.90	17.62	17.85	17.85	17.82	17.88

9-14-1dc--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	16.41	16.32	16.28	15.99	15.72	15.95	15.83	17.72	17.82	17.83	17.82	17.87
17	16.40	16.31	16.21	15.97	15.72	15.88	15.81	17.68	17.80	17.85	17.83	17.87
18	16.40	16.29	16.17	15.95	15.72	16.14	15.79	17.80	17.80	17.85	17.85	17.87
19	16.39	16.30	16.17	15.94	15.68	15.90	15.75	17.88	17.80	17.85	17.85	17.87
20	16.39	16.31	16.18	15.92	15.65	15.78	15.71	18.02	17.81	17.85	17.85	17.87
21	16.38	16.31	16.22	15.93	15.66	15.77	15.71	18.10	17.81	17.85	17.85	17.87
22	16.39	16.31	16.23	15.93	15.67	15.73	15.87	18.11	17.81	17.85	17.85	17.85
23	16.39	16.31	16.25	15.93	15.67	15.67	15.87	18.13	17.80	17.85	17.86	17.86
24	16.39	16.31	16.26	15.92	15.67	15.86	15.87	18.13	17.80	17.85	17.85	17.87
25	16.36	16.31	16.25	15.91	15.65	16.08	16.28	18.10	17.78	17.84	17.84	17.87
26	16.34	16.30	16.22	15.98	15.64	15.94	16.52	18.17	17.79	17.84	17.85	17.86
27	16.36	16.28	16.22	15.84	15.64	15.82	16.38	18.13	17.78	17.86	17.85	17.87
28	16.36	16.25	16.17	15.83	15.63	15.79	16.41	18.02	17.79	17.87	17.85	17.85
29	16.36	16.26	16.15	15.82	15.55	15.77	16.51	17.98	17.80	17.85	17.85	17.83
30	16.36		16.00	15.82	15.54	15.73	16.90	17.93	17.80	17.83	17.85	17.84
31	16.33		16.02		15.54		16.99	17.90		17.84		17.83

9-14-13cb. Mrs. Maude E. Davis. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 50 feet. Land-surface datum is 2,068.10 feet above msl. Highest water level 15.30 below lsd, July 11, 1947; lowest 23.05 below lsd, Oct. 15, 1941. Records available: 1930-52. Jan. 9, 18.26; Mar. 3, 18.20; May 14, 17.82; Oct. 6, 19.61.

9-14-19dd. Robert D. Lewis. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 54 feet. Land-surface datum is 2,102.16 feet above msl. Highest water level 22.55 below lsd, June 9, 1931; lowest 28.53 below lsd, Oct. 15, 1941. Records available: 1930-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	23.30	Apr. 28	24.84	Sept. 15	25.88	Nov. 15	25.54
Feb. 27	24.10	July 24	24.46	Oct. 16	25.70	Dec. 15	25.47
Mar. 27	24.20	Aug. 16	25.50				

9-15-11cb. Charles Aldeen. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 53 feet. Land-surface datum is 2,117.20 feet above msl. Highest water level 23.67 below lsd, July 11, 1947; lowest 29.96 below lsd, Oct. 15, 1941. Records available: 1932-42, 1944-52. Jan. 10, 25.78; Mar. 19, 25.61; May 14, 25.33; Oct. 6, 28.68.

9-15-34bb. J. W. Wolford. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 48 feet. Land-surface datum is 2,119.78 feet above msl. Highest water level 16.60 below lsd, June 16, 1931; lowest 25.35 below lsd, Nov, 3, 1948. Records available: 1930-37, 1939, 1945-52. Jan. 11, 20.56; Mar. 19, 19.24; May 14, 19.23; Oct. 2, 20.46.

9-16-13bc. Lawrence Richter. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 110 feet. Land-surface datum is 2,153.47 feet above msl. Highest water level 26.64 below lsd, Mar. 1, 1950; lowest 29.66 below lsd, Aug. 23, 1951. Records available: 1948-52. Jan. 9, 27.79; Mar. 7, 27.66; Apr. 29, 27.31.

9-17-31cd. U. S. Geol. Survey. Driven observation water-table well in alluvial silt, diameter $1\frac{1}{4}$ inches, depth 10 feet. Land-surface datum is 2,236.73 feet above msl. Highest water level 8.02 below lsd, Oct. 7, 1946; lowest 13.01 below lsd, Mar. 9, 1948. Records available: 1946-52. Jan. 11, 9.96; Mar. 7, 10.69; May 20, 9.18; Oct. 3, 11.05.

9-18-31cc. Mrs. Dworak. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 32 feet. Land-surface datum is 2,274.59 feet above msl. Highest water level 7.38 below lsd, Oct. 8, 1946; lowest 12.50 below lsd, Sept. 7, 1948. Records available: 1946-52. Jan. 11, 10.56; Mar. 7, 10.59; May 20, 10.21; Oct. 3, 11.98.

10-13-24bc. B. M. Bentley. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 52 feet. Land-surface datum is 2,214.17 feet above msl. Highest water level 17.91 below lsd, May 13, 1931; lowest 26.28 below lsd, Sept. 5, 1946. Records available: 1930-40, 1944, 1946-52. Jan. 10, 22.29; Mar. 3, 22.16; May 14, 21.73; Oct. 2, 23.40.

10-17-21cd. W. M. Buettner. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 104 feet. Land-surface datum is 2,234.14 feet above msl. Highest water level 27.23 below lsd, Mar. 27, 1950; lowest 38.75 below lsd, Aug. 2, 1949. Records available: 1934-42, 1949-52. Feb. 20, 28.05; Apr. 29, 27.69.

12-13-20cb. Irvin Urwiller. Drilled irrigation water-table well in sand of Pleistocene age and sandstone of Tertiary age, diameter 18 inches, depth 207 feet. Land-surface datum is 2,030.68 feet above msl. Highest water level 25.21 below lsd, Dec. 13, 1951; lowest 26.24 below lsd, Apr. 18, 1952. Records available: 1950-52. Feb. 26, 25.30; Apr. 18, 26.24; May 9, 25.48.

12-15-3bb. Donald Wilke. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 110 feet. Land-surface datum is 2,061.13 feet above msl. Highest water level 29.05 below lsd, May 9, 1952; lowest 31.03 below lsd, Sept. 9, 1952. Records available: 1950-52. Feb. 26, 29.75; Apr. 16, 29.30; May 9, 29.05; Sept. 9, 31.03.

Butler County

A14-3-8ba. U. S. Geol. Survey. Drilled observation water-table well in glacial drift and sand, diameter $1\frac{1}{4}$ inches, depth 29 feet. Highest water level 10.18 below lsd, Apr. 21, 1948; lowest 18.63 below lsd, Oct. 15, 1940. Records available: 1940-42, 1946, 1948. No measurement made in 1952.

A16-1-14ad. Owner unknown. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 33 feet. Land-surface datum is 1,434.34 feet above msl. Highest water level 5.38 below lsd, Apr. 19, 1949; lowest 7.71 below lsd, Nov. 6, 1952. Records available: 1946-50, 1952. Nov. 6, 7.71.

A16-2-14cc. U. S. Geol. Survey. Driven observation water-table well in fine sand, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 1,419.64 feet above msl. Highest water level 2.68 below lsd, Apr. 2, 1952; lowest 6.74 below lsd, Jan. 8, 1951. Records available: 1946-52. Jan. 23, 4.22; Apr. 2, 2.68; June 4, 3.76; Nov. 6, 5.86.

A16-3-1dc. Anthony J. Viglicky. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 36 inches, depth 37 feet. Land-surface datum is 1,376.67 feet above msl. Highest water level 7.34 below lsd, Apr. 2, 1952; lowest 12.99 below lsd, Jan. 8, 1951. Records available: 1946-52. Jan. 23, 9.37; Apr. 2, 7.34; June 4, 8.50; Nov. 6, 11.43.

A17-4-28cd. Edward J. Duda. Driven irrigation water-table well in sand and gravel of Pleistocene age, diameter 22 inches, depth 66 feet. Land-surface datum is 1,346.84 feet above msl. Highest water level 19.41 below lsd, Apr. 2, 1952; lowest 22.10 below lsd, Oct. 11, 1946. Records available: 1946-52. Jan. 24, 19.88; Apr. 2, 19.41; June 4, 19.62; Nov. 6, 21.25.

Chase County

5-36-7ba. U. S. Geol. Survey. Driven observation water-table well in limestone of Ogallala formation, diameter $1\frac{1}{4}$ inches, depth 19 feet. Highest water level 14.93 below lsd, June 9, 1949; lowest 16.86 below lsd, Dec. 7, 1950. Records available: 1946-52. Apr. 7, 15.17; May 5, 15.30; June 2, 15.70; July 16, 15.90; Aug. 11, 15.81; Sept. 8, 15.95.

5-38-4aa. U. S. Bureau of Reclamation. Jetted observation water-table well in sand and gravel, diameter $1\frac{1}{4}$ inches, depth 23 feet. Land-surface datum is 3,151.20 feet above msl. Highest water level 10.79 below lsd, June 9, 1949; lowest 11.44 below lsd, July 11, 1950. Records available: 1949-50. No measurement made in 1952.

7-38-28cc. Roy Hust. Drilled unused water-table well in sand of Pleistocene age, diameter 18 inches, depth 143 feet. Highest water level 74.03 below lsd, May 5, 1951; lowest 76.85 below lsd, Dec. 9, 1944. Records available: 1944, 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	74.60	74.64	74.53	74.68	74.63	74.62	74.52
2	.....	.....	.....	.....	.....	74.58	74.76	74.52	74.64	74.63	74.68	74.52
3	.....	.....	.....	.....	.....	74.58	74.76	74.55	74.60	74.59	74.68	74.58
4	.....	.....	.....	.....	.....	74.59	74.67	74.56	74.68	74.59	74.53	74.63
5	.....	74.73	.....	.....	74.60	74.59	74.63	74.60	74.64	74.62	74.63	74.58
6	.....	74.71	.....	.....	74.63	74.58	74.71	74.57	74.65	74.63	74.65	74.56
7	.....	74.66	.....	74.57	74.62	74.55	74.77	74.54	74.60	74.58	74.55	74.54
8	.....	74.72	.....	.....	74.57	74.64	74.70	74.58	74.58	74.53	74.64	74.54
9	.....	74.66	.....	.....	74.70	74.55	74.62	74.58	74.56	74.55	74.63	74.62
10	.....	74.68	.....	.....	74.70	74.52	74.60	74.52	74.53	74.57	74.55	74.62

7-38-28cc--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	74.64	.....	.....	74.62	74.52	74.63	74.61	74.53	74.59	74.56	74.62
12	.....	74.58	.....	.....	74.63	74.51	74.69	74.56	74.55	74.54	74.52	74.61
13	.....	74.70	.....	.....	74.61	74.55	74.70	74.53	74.66	74.58	74.53	74.63
14	.....	74.74	.....	.....	74.56	74.57	74.71	74.55	74.67	74.64	74.55	74.52
15	.....	74.70	.....	.....	74.63	74.60	74.61	74.56	74.58	74.57	74.57	74.57
16	.....	.....	.....	.....	74.69	74.71	74.57	74.54	74.53	74.59	74.54	74.52
17	.....	.....	.....	.....	74.69	74.67	74.53	74.58	74.54	74.54	74.61	74.58
18	.....	.....	.....	.....	74.57	74.71	74.56	74.57	74.58	74.63	74.65	74.57
19	.....	.....	.....	.....	74.49	74.70	74.53	74.52	74.63	74.61	74.62	74.54
20	.....	.....	.....	.....	74.56	74.63	74.54	74.55	74.64	74.61	74.65	74.55
21	.....	.....	.....	.....	74.57	74.68	74.52	74.63	74.61	74.57	74.63	74.48
22	.....	.....	.....	.....	74.65	74.61	74.64	74.64	74.63	74.58	74.62	74.52
23	.....	.....	.....	.....	74.65	74.61	74.63	74.61	74.55	74.58	74.62	74.57
24	.....	.....	.....	.....	74.66	74.61	74.55	74.58	74.57	74.51	74.53	74.58
25	.....	.....	.....	.....	74.63	74.67	74.59	74.56	74.55	74.54	74.67	74.55
26	.....	.....	.....	.....	74.66	74.68	74.58	74.57	74.54	74.57	74.61	74.53
27	.....	.....	.....	.....	74.67	74.71	74.54	74.62	74.48	74.65	74.62	74.53
28	.....	.....	.....	.....	74.65	74.72	74.53	74.64	74.57	74.65	74.57	74.48
29	.....	.....	.....	.....	74.55	74.67	74.54	74.58	74.55	74.51	74.61	74.51
30	.....		.....	.....	74.62	74.66	74.55	74.58	74.52	74.55	74.55	74.50
31	.....		.....		74.65		74.54	74.65		74.56		74.47

Cherry County

28-28-1cc. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 14 feet. Land-surface datum is 2,929.09 feet above msl. Highest water level 2.05 below lsd, Apr. 23, 1952; lowest 5.48 below lsd, Feb. 26, 1951. Records available: 1950-52. Apr. 23, 2.05; June 23, 3.12; Aug. 18, 4.72.

29-28-13aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 14 feet. Land-surface datum is 2,926.31 feet above msl. Highest water level 0.97 below lsd, Apr. 23, 1952; lowest 4.50 below lsd, Nov. 2, 1949. Records available: 1949-52. Apr. 23, 0.97; June 23, 1.99; Aug. 18, 4.33.

30-28-1ad. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 10 feet. Land-surface datum is 2,878.14 feet above msl. Highest water level 2.50 below lsd, Apr. 23, 1952; lowest 4.12 below lsd, Jan. 27, Dec. 11, 1950. Records available: 1950-52. Apr. 23, 2.50; June 23, 2.52; Aug. 18, 3.65.

30-28-36aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 2,896.36 feet above msl. Highest water level 1.46 below lsd, June 8, 1951; lowest 4.35 below lsd, Aug. 18, 1952. Records available: 1949-52. Apr. 23, 1.61; June 23, 2.57; Aug. 18, 4.35.

30-29-14ac. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 14 feet. Land-surface datum is 2,927.06 feet above msl. Highest water level 1.51 below lsd, Sept. 12, 1951; lowest 3.63 below lsd, Aug. 18, 1952. Records available: 1949-52. Apr. 23, 1.54; June 23, 2.25; Aug. 18, 3.63.

30-29-22bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 2,950.42 feet above msl. Highest water level 0.87 below lsd, May 10, 1950; lowest 4.12 below lsd, Aug. 18, 1952. Records available: 1949-52. Apr. 23, 1.15; June 23, 2.68; Aug. 18, 4.12.

30-30-34cd. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 21 feet. Land-surface datum is 3,048.61 feet above msl. Highest water level 7.55 below lsd, Nov. 7, 1950; lowest 7.91 below lsd, Mar. 31, 1951. Records available: 1950-51. No measurement made in 1952.

31-25-21bd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 12 feet. Land-surface datum is 2,685.61 feet above msl. Highest water level 0.10 below lsd, Mar. 27, 1952; lowest 6.38 below lsd, Sept. 12, 1936. Records available: 1936-52. Jan. 30, 0.78; Feb. 28, 0.84; Mar. 27, 0.10; Apr. 28, 1.18; May 26, 0.74; June 30, 2.87.

31-28-1ad. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 9 feet. Land-surface datum is 2,843.9 feet above msl. Highest water level 0.42 below lsd, May 9, 1950; lowest 3.42 below lsd, Aug. 18, 1952. Records available: 1950-52. Jan. 14, 0.97; Apr. 23, 0.64; June 23, 1.47; Aug. 18, 3.42.

31-28-31bb. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 11 feet. Land-surface datum is 2,886.86 feet above msl. Highest water level 0.41 above lsd, June 8, 1951; lowest 2.96 below lsd, Aug. 18, 1952. Records available: 1950-52. Apr. 23, +0.40; June 23, -0.42; Aug. 18, -2.96.

32-27-18cb. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 17 feet. Land-surface datum is 2,781.3 feet above msl. Highest water level 5.61 below lsd, June 23, 1952; lowest 8.04 below lsd, May 2, 1951. Records available: 1950-52. Apr. 23, 6.21; June 23, 5.61; Aug. 18, 6.03.

33-27-17cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 9 feet. Land-surface datum is 2,408.92 feet above msl. Highest water level 1.52 below lsd, Dec. 29, 1951; lowest 3.38 below lsd, Aug. 9, 1937. Records available: 1936-48, 1950-52. Apr. 2, 1.76; June 25, 2.32; Oct. 6, 2.40.

34-27-31da. U. S. Geol. Survey. Drilled unused water-table well in sand of Pleistocene age, diameter 2 inches, depth 128 feet. Highest water level 97.92 below lsd, Oct. 7, 1947; lowest 100.39 below lsd, Oct. 19, 1941. Records available: 1934-41, 1944-47. No measurement made in 1952.

34-31-3ad. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 1.25 below lsd, June 6, 1935; lowest 5.47 below lsd, Oct. 31, 1940. Records available: 1934-47. No measurement made in 1952.

34-36-1dc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 21 feet. Highest water level 4.46 below lsd, June 6, 1935; lowest 9.54 below lsd, Oct. 1, 1941. Records available: 1934-45, 1947, 1951-52. Jan. 29, 7.82; Apr. 2, 6.68; June 24, 6.95; Oct. 6, 7.83.

34-38-14bc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 5.20 below lsd, Apr. 2, 1952; lowest 8.14 below lsd, Aug. 9, 1937. Records available: 1936-41, 1944-47, 1951-52. Jan. 29, 6.10; Apr. 2, 5.20; June 25, 6.25; Oct. 6, 7.43.

Cheyenne County

14-47-26cb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 29 feet. Highest water level 18.32 below lsd, Mar. 28, 1951; lowest 20.82 below lsd, Nov. 9, 1940. Records available: 1940-42, 1944, 1947, 1950-52. Jan. 23, 18.66.

14-48-27cc. Frank Partrey. Drilled irrigation water-table well in sand of Pleistocene age, diameter 20 inches, depth 110 feet. Highest water level 33.47 below lsd, Mar. 29, 1951; lowest 38.85 below lsd, June 24, 1950. Records available: 1950-52. Jan. 23, 33.52.

14-49-34bb. Harry Brewer. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 100 feet. Highest water level 24.27 below lsd, Mar. 29, 1951; lowest 25.57 below lsd, Aug. 8, 1951. Records available: 1950-52. Jan. 23, 24.35.

14-50-35ac. F. C. Mather Estate. Drilled irrigation water-table well in alluvial gravel, diameter 24 inches, depth 91 feet. Highest water level 29.16 below lsd, July 18, 1935; lowest 36.08 below lsd, Jan. 12, 1951. Records available: 1934-40, 1942, 1944, 1947, 1950-52. Jan. 23, 31.14.

14-52-5ca. William Goding. Drilled irrigation water-table well in sands of alluvium and joints in Brule formation, diameter 8 inches, depth 55 feet. Highest water level 26.64 below lsd, June 15, 1935; lowest 29.93 below lsd, Aug. 8, 1951. Records available: 1934-40, 1950-52. Jan. 24, 29.01.

14-52-11ac. Earl Johnson. Drilled irrigation water-table well in Brule formation, diameter 18 inches, depth 92 feet. Highest water level 27.80 below lsd, May 22, 1951; lowest 33.00 below lsd, June 24, 1950. Records available: 1950-52. Jan. 24, 28.26.

Clay County

5-6-26bd. B. W. Merrill. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 86 feet. Highest water level 74.73 below lsd, Sept. 25, 1952; lowest 77.09 below lsd, July 18, 1948. Records available: 1948-50, 1952. Sept. 25, 74.73.

Colfax County

A17-2-22dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 1,385.01 feet above msl. Highest water level 3.49 below lsd, May 3, 1951; lowest 6.49 below lsd, Jan. 13, 1948. Records available: 1946-52. Apr. 1, 3.81; June 3, 3.85; Nov. 19, 5.57.

A17-3-4cc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 16 feet. Land-surface datum is 1,370.58 feet above msl. Highest water level 4.15 below lsd, Apr. 1, 1952; lowest 6.34 below lsd, Sept. 4, 1947. Records available: 1946-52. Jan. 24, 5.16; Apr. 1, 4.15; June 3, 5.31; Nov. 19, 5.75.

A17-3-23cc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Land-surface datum is 1,347.03 feet above msl. Highest water level 2.15 below lsd, Mar. 24, 1948; lowest 5.27 below lsd, Sept. 3, 1946. Records available: 1946-52. Jan. 24, 3.71; Apr. 1, 2.52; June 3, 3.79; Nov. 19, 4.68.

A17-4-4bb. E. Maxes. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 36 feet. Land-surface datum is 1,340.15 feet above msl. Highest water level 9.44 below lsd, June 3, 1952; lowest 17.11 below lsd, Aug. 6, 1946. Records available: 1945-52. Jan. 24, 12.67; Apr. 1, 10.91; June 3, 9.44; Nov. 7, 13.33.

Cuming County

A21-6-23bb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 23 feet. Highest water level 3.68 below lsd, Nov. 6, 1951; lowest 8.93 below lsd, Oct. 10, 1941. Records available: 1934-44, 1946, 1948, 1950-52. Jan. 30, 3.81.

A22-6-4aa. Art Miller. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 52 feet. Highest water level 7.51 below lsd, Sept. 1, 1951; lowest 9.93 below lsd, Jan. 16, 1951. Records available: 1950-52. Jan. 30, 8.19.

A22-6-34bd. City of West Point. Drilled unused water-table well in sand of Pleistocene age, diameter 18 inches, depth 42 feet. Highest water level 3.78 below lsd, Jan. 30, 1952; lowest 6.10 below lsd, July 3, 1952. Records available: 1950-52. Jan. 26, 4.36; Jan. 30, 3.78; July 3, 6.10.

A23-5-36bd. H. Albers. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 52 feet. Highest water level 8.28 below lsd, Aug. 29, 1951; lowest 10.71 below lsd, Jan. 16, 1951. Records available: 1950-52. Jan. 30, 8.94.

A24-4-30ad. Harry Pumprey. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 42 feet. Highest water level 7.57 below lsd, Aug. 29, 1951; lowest 10.83 below lsd, Mar. 8, 1951. Records available: 1950-52. Jan. 30, 9.06.

Custer County

13-21-36ca. Jack Lyons. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 123 feet. Highest water level 50.55 below lsd, May 30, 1951; lowest 51.90 below lsd, Sept. 7, 1950. Records available: 1950-52. Feb. 20, 51.39; Apr. 29, 51.25.

18-17-4ac. Ben Tvrdik. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 32 inches, depth 108 feet. Land-surface datum is 2,274.18 feet above msl. Highest water level 12.05 below lsd, May 31, 1950; lowest 12.54 below lsd, Dec. 5, 1952. Records available: 1950-52. Dec. 5, 12.54.

19-17-9ca. R. E. Probert. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 170 feet. Land-surface datum is 2,335.4 feet above msl. Highest water level 68.23 below lsd, Dec. 4, 1951; lowest 69.38 below lsd, Sept. 26, 1949. Records available: 1949-52. Feb. 14, 68.48; Apr. 14, 68.45.

19-18-9aa. Leonard Owen. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 28 feet. Land-surface datum is 2,325.16 feet above msl. Highest water level 11.16 below lsd, Mar. 13, 1950; lowest 14.98 below lsd, July 16, 1940. Records available: 1934-42, 1945, 1948-52. Feb. 14, 11.35; Apr. 14, 11.48; July 21, 12.69.

19-19-2bb. Ralph Slagel. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches. Land-surface datum is 2,361.95 feet above msl. Highest water level 15.56 below lsd, Sept. 11, 1951; lowest 17.56 below lsd, July 6, 1950. Records available: 1949-52. Dec. 4, 17.51.

19-20-1cd. Frank Wells. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches. Land-surface datum is 2,398.03 feet above msl. Highest water level 10.18 below lsd, May 22, 1951; lowest 12.88 below lsd, Sept. 7, 1949. Records available: 1949-52. Feb. 18, 11.37; Apr. 14, 11.37.

20-20-30aa. Ted Holmes. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 77 feet. Land-surface datum is 2,445.91 feet above msl. Highest water level 31.72 below lsd, Sept. 12, 1951; lowest 33.09 below lsd, Aug. 24, 1949. Records available: 1949-52. Dec. 4, 32.54.

20-21-10bc. A. C. Turner. Drilled domestic water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 30 feet. Land-surface datum is 2,476.68 feet above msl. Highest water level 20.07 below lsd, Apr. 15, 1952; lowest 21.94 below lsd, Aug. 10, 1950. Records available: 1949-52. Apr. 15, 20.07.

Dawes County

31-52-3dc. T. P. Moody. Drilled observation water-table well in sand and alluvium, diameter 8 inches, depth 39 feet. Highest water level 15.87 below lsd, May 30, 1948; lowest 21.51 below lsd, Aug. 27, 1934. Records available: 1934-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	18.62	May 4	18.90	Aug. 1	18.78	Oct. 24	20.65
Feb. 3	18.73	June 1	18.94	25	20.27	Nov. 25	20.85
Mar. 22	18.74	27	19.35	Sept. 23	20.70	Dec. 20	20.71
Apr. 5	18.72						

Dawson County

9-20-13bc. J. P. Brick. Drilled irrigation water-table well in gravel and fine sand, diameter 18 inches, depth 43 feet. Land-surface datum is 2,328.22 feet above msl. Highest water level 6.90 below lsd, Dec. 3, 1946; lowest 13.32 below lsd, Oct. 16, 1937. Records available: 1930-52. Jan. 5, 8.75; May 20, 7.51; Oct. 7, 10.60.

9-21-24aa. U. S. Geol. Survey. Drilled observation water-table well in gravel, diameter 1 inch, depth 11 feet. Land-surface datum is 2,358.88 feet above msl. Highest water level 2.05 below lsd, July 12, 1947; lowest 6.29 below lsd, Sept. 21, 1934. Records available: 1931-43, 1945-52. Jan. 5, 3.26; Mar. 6, 3.18; May 20, 2.95; Oct. 7, 4.57.

9-21-29bc. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter $1\frac{1}{2}$ inches, depth 10 feet. Land-surface datum is 2,382.23 feet above msl. Highest water level 0.10 below lsd, May 3, 1933; lowest 5.21 below lsd, Sept. 30, 1940. Records available: 1930-52. Jan. 4, 3.23; Mar. 13, 1.88; May 20, 3.04; Oct. 10, 3.77.

9-21-31da. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 2,389.89 feet above msl. Highest water level 7.40 below lsd, Nov. 9, 1948; lowest 22.90 below lsd, July 24, 1940. Records available: 1930-52. Jan. 4, 8.64; Mar. 13, 8.49; May 20, 8.13; Oct. 10, 10.85.

9-22-33aa. C. J. Magnuson. Drilled unused water-table well in sand of Pleistocene age, diameter 3 inches, depth 88 feet. Land-surface datum is 2,508.69 feet above msl. Highest water level 28.43 below lsd, Oct. 8, 1952; lowest 34.56 below lsd, May 10, 1949. Records available: 1949-52. Jan. 17, 29.19; Mar. 6, 28.92; May 22, 28.61; Oct. 8, 28.43.

9-23-2dc. Leo Neil. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 53 feet. Land-surface datum is 2,464.22 feet above msl. Highest water level 14.05 below lsd, July 14, 1947; lowest 18.24 below lsd, Aug. 9, 1946. Records available: 1945-52. Jan. 17, 15.46; Mar. 6, 15.41; May 22, 15.10; Oct. 9, 16.17.

9-23-21bb. Oscar Weissert. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 253 feet. Land-surface datum is 2,683.70 feet above msl. Highest water level 158.82 below lsd, Oct. 9, 1952; lowest 170.74 below lsd, May 11, 1949. Records available: 1949-52. Mar. 6, 161.27; May 22, 161.47; Oct. 9, 158.82.

10-20-35bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 26 feet. Land-surface datum is 2,358.5 feet above msl. Highest water level 14.80 below lsd, July 12, 1947; lowest 18.36 below lsd, Oct. 7, 1952. Records available: 1946-52. Jan. 5, 17.51; Mar. 7, 17.55; May 20, 17.38; Oct. 7, 18.36.

10-21-31da. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter 1½ inches, depth 14 feet. Land-surface datum is 2,399.05 feet above msl. Highest water level 3.29 below lsd, June 12, 1935; lowest 9.27 below lsd, Sept. 21, 1934. Records available: 1930-52. Mar. 13, 6.27; May 20, 6.33.

10-22-29aa. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter 1 inch, depth 12 feet. Land-surface datum is 2,435.14 feet above msl. Highest water level 1.52 below lsd, July 12, 1947; lowest 7.45 below lsd, Nov. 5, 1940. Records available: 1931-43, 1945-52. Jan. 17, 2.79; Mar. 5, 2.68; May 20, 2.20; Oct. 8, 5.79.

10-23-5bb. Vincent Ogorsolka. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 42 feet. Land-surface datum is 2,493.6 feet above msl. Highest water level 4.29 below lsd, Dec. 4, 1946; lowest 8.75 below lsd, Oct. 8, 1952. Records available: 1945-52. Jan. 15, 7.92; Mar. 25, 7.04; Mar. 5, 7.94; May 20, 7.60; Oct. 8, 8.75.

10-23-29bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 2,480.3 feet above msl. Highest water level 2.02 below lsd, Oct. 9, 1946; lowest 7.70 below lsd, Nov. 5, 1948. Records available: 1946-52. Jan. 17, 6.35; Mar. 6, 6.07; Mar. 24, 5.36; May 22, 6.01; Oct. 9, 7.01.

10-24-7bb. F. C. McDowell. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 38 feet. Land-surface datum is 2,542.33 feet above msl. Highest water level 10.35 below lsd, Oct. 9, 1946; lowest 13.52 below lsd, July 12, 1946. Records available: 1946-52. Jan. 17, 12.19; Mar. 6, 11.90; May 22, 11.86; Oct. 9, 12.25.

11-19-4dd. William Reikertson. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 163 feet. Land-surface datum is 2,373.23 feet above msl. Highest water level 54.18 below lsd, Nov. 2, 1950; lowest 56.20 below lsd, Aug. 20, 1951. Records available: 1948-52. Feb. 20, 54.66; Apr. 29, 54.50; Sept. 10, 55.55.

11-21-31dd. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter 1 inch, depth 57 feet. Land-surface datum is 2,464.41 feet above msl. Highest water level 22.77 below lsd, Sept. 8, 1947; lowest 33.28 below lsd, July 24, 1940. Records available: 1930-36, 1940-52. Jan. 4, 25.16; Mar. 13, 23.95; Mar. 25, 25.39; May 20, 25.64; Oct. 9, 24.17.

11-23-23cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 2,495.6 feet above msl. Highest water level 0.42 below lsd, Oct. 8, 1946; lowest 5.28 below lsd, Sept. 6, 1946. Records available: 1946-52. Jan. 15, 3.82; Mar. 5, 3.88; Mar. 25, 3.35; May 15, 4.29; May 20, 4.01; Oct. 8, 4.56.

11-24-20ca. J. R. Owings. Drilled irrigation water-table well in fine sand and gravel of Pleistocene age, diameter 36 inches, depth 40 feet. Land-surface datum is 2,544.91 feet above msl. Highest water level 9.52 below lsd, July 12, 1947; lowest 14.97 below lsd, Sept. 22, 1934. Records available: 1932, 1934-42, 1944-52. Mar. 25, 10.18; May 20, 10.77; Oct. 8, 11.84.

11-25-21cc. E. D. Clark. Drilled irrigation water-table well in gravel and sand of Pleistocene age, diameter 16 inches, depth 28 feet. Land-surface datum is 2,571.19 feet above msl. Highest water level 4.18 below lsd, Nov. 17, 1931; lowest 13.40 below lsd, Aug. 10, 1931. Records available: 1930-42, 1944-52. Jan. 17, 9.24; Mar. 6, 9.32; May 22, 8.49; Oct. 9, 7.32.

12-25-34cc. John H. Block. Drilled irrigation water-table well in gravel and fine sand of Pleistocene age, diameter 24 inches, depth 65 feet. Land-surface datum is 2,611.72 feet above msl. Highest water level 26.80 below lsd, Aug. 8, 1951; lowest 30.40 below lsd, July 11, 1946. Records available: 1932, 1934-40, 1942, 1944-52. Jan. 15, 27.02; Mar. 5, 27.37; Mar. 25, 27.40; May 21, 27.33; Oct. 8, 27.89.

Deuel County

12-44-18bb. P. Nass. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 92 feet. Records available: 1950. No measurement made in 1952.

13-45-23cb. Albert Williams. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 23 feet. Highest water level 11.84 below lsd, Nov. 19, 1951; lowest 12.94 below lsd, June 20, 1950. Records available: 1950-52. Jan. 23, 12.41.

14-46-33dc2. Myron Carlson Ranches. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 31 feet. Highest water level 13.41 below lsd, May 22, 1951; lowest 14.14 below lsd, Mar. 29, 1951. Records available: 1950-52. Jan. 23, 13.65.

Dodge County

A17-6-6aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 13 feet. Land-surface datum is 1,264.93 feet above msl. Highest water level 0.31 below lsd, May 3, 1951; lowest 4.72 below lsd, Oct. 22, 1940. Records available: 1936-42, 1944-52. Jan. 24, 1.35; June 3, 1.75; Nov. 7, 3.06.

A17-8-16ad. City of Fremont. Drilled observation water-table well in gravel of Pleistocene age, diameter 2 inches, depth 18 feet. Land-surface datum is 1,202.60 feet above msl. Highest water level 6.11 below lsd, June 22, 1945; lowest 14.19 below lsd, Oct. 22, 1940. Records available: 1940-52. Jan. 24, 8.20; Apr. 1, 7.61; June 3, 7.26; Nov. 7, 8.90.

A18-6-25cc. Owner unknown. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 37 feet. Land-surface datum is 1,250.21 feet above msl. Highest water level 3.98 below lsd, May 3, 1951; lowest 10.50 below lsd, Nov. 1, 1948. Records available: 1947-52. Jan. 24, 7.34; Apr. 1, 4.36; June 3, 6.19; Nov. 7, 9.51.

A18-8-28da. City of Fremont. Drilled observation water-table well in gravel of Pleistocene age, diameter 2 inches, depth 85 feet. Land-surface datum is 1,262.76 feet above msl. Highest water level 60.86 below lsd, Oct. 8, 1941; lowest 68.72 below lsd, Mar. 20, 1940. Records available: 1940-52. Jan. 24, 64.92; Apr. 1, 64.95; June 3, 64.99; Nov. 7, 65.22.

A19-7-10cb. State of Nebraska. Drilled public-supply water-table well in gravel of Pleistocene age, diameter 12 inches, reported depth 60 feet. Highest water level 0.98 above lsd, Nov. 6, 1951; lowest 2.48 below lsd, Mar. 8, 1951. Records available: 1950-51. No measurement made in 1952.

A19-8-34ba. B. Havekost. Drilled irrigation water-table well, diameter 18 inches, depth 133 feet. Highest water level 64.59 below lsd, Nov. 6, 1951; lowest 72.57 below lsd, Mar. 8, 1951. Records available: 1950-52. Jan. 30, 71.61.

Dundy County

1-37-19ba. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 18 feet. Land-surface datum is 2,990 feet above msl. Highest water level 7.12 below lsd, Apr. 5, 1949; lowest 14.83 below lsd, Sept. 9, 1952. Records available: 1946-52. Apr. 8, 9.98; May 9, 10.77; June 3, 10.60; July 15, 12.83; Aug. 12, 13.98; Sept. 9, 14.83; Dec. 9, 11.87.

1-37-31cd. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 3,007 feet above msl. Highest water level 3.21 below lsd, Apr. 5, 1949; lowest 6.39 below lsd, Sept. 9, 1952. Records available: 1946-52. Apr. 8, 4.23; May 9, 4.25; June 3, 3.87; July 15, 5.49; Aug. 12, 5.95; Sept. 9, 6.39; Dec. 9, 5.93.

1-38-28da. Owner unknown. Drilled unused water-table well in sand of Pleistocene age, diameter 5 inches, depth 33 feet. Highest water level 18.26 below lsd, June 3, 1952; lowest 21.83 below lsd, Dec. 9, 1952. Records available: 1948-52. Apr. 8, 19.38; May 9, 18.39; June 3, 18.26; July 15, 18.96; Aug. 12, 18.77; Sept. 9, 19.95; Dec. 9, 21.83.

1-39-21ac. Louis Krutsinger. Drilled unused water-table well in gravel of Pleistocene age, diameter 6 inches, depth 15 feet. Land-surface datum is 3,096 feet above msl. Highest water level 4.13 below lsd, Dec. 21, 1951; lowest 6.23 below lsd, July 29, 1940. Records available: 1935-43, 1946-52. Apr. 8, 4.98; May 9, 5.19; June 3, 5.27; July 15, 5.70; Aug. 12, 5.73; Sept. 9, 5.89; Dec. 9, 5.23.

1-40-29bb. U. S. Geol. Survey. Drilled observation water-table well in silt and clay, diameter 8 inches, depth 21 feet. Land-surface datum is 3,207 feet above msl. Highest water level 10.12 below lsd, Aug. 22-23, 1950; lowest 12.65 below lsd, Oct. 23-24, 1947. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.87	10.91	10.94	10.76	10.53	10.68	11.10	11.57	11.86	12.01	12.03	12.00
2	10.88	10.91	10.93	10.74	10.53	10.69	11.12	11.58	11.87	12.01	12.03	12.00
3	10.88	10.91	10.93	10.72	10.52	10.70	11.13	11.59	11.88	12.01	12.03	12.00
4	10.87	10.91	10.93	10.69	10.52	10.71	11.15	11.60	11.89	12.02	12.03	12.00
5	10.87	10.91	10.95	10.68	10.51	10.73	11.16	11.61	11.90	12.02	12.03	11.99
6	10.87	10.92	10.95	10.68	10.51	10.75	11.18	11.62	11.91	12.02	12.03	11.99
7	10.86	10.92	10.95	10.66	10.51	10.75	11.20	11.63	11.91	12.03	12.03	11.99
8	10.86	10.92	10.95	10.60	10.51	10.78	11.22	11.64	11.91	12.03	12.03	11.99
9	10.89	10.92	10.94	10.61	10.51	10.79	11.23	11.65	11.91	12.03	12.03	11.99
10	10.89	10.92	10.93	10.61	10.53	10.80	11.24	11.66	11.89	12.03	12.03	12.00

1-40-29bb--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	10.87	10.92	10.93	10.60	10.54	10.81	11.26	11.68	11.90	12.03	12.03	12.00
12	10.86	10.92	10.93	10.58	10.54	10.82	11.27	11.69	11.90	12.03	12.03	12.00
13	10.86	10.91	10.93	10.59	10.54	10.84	11.29	11.70	11.91	12.03	12.02	12.00
14	10.86	10.93	10.93	10.59	10.53	10.86	11.31	11.71	11.92	12.03	12.02	12.00
15	10.87	10.93	10.93	10.59	10.54	10.87	11.32	11.73	11.93	12.03	12.02	11.99
16	10.87	10.93	10.93	10.58	10.55	10.91	11.34	11.74	11.93	12.03	12.02	11.99
17	10.88	10.93	10.92	10.58	10.57	10.92	11.34	11.75	11.94	12.03	12.02	11.99
18	10.89	10.92	10.89	10.58	10.57	10.93	11.36	11.76	11.94	12.04	12.02	11.99
19	10.87	10.93	10.89	10.57	10.57	10.95	11.38	11.77	11.95	12.03	12.02	11.99
20	10.89	10.93	10.89	10.57	10.56	10.96	11.39	11.78	11.95	12.03	12.02	11.99
21	10.88	10.93	10.89	10.57	10.56	10.97	11.41	11.79	11.96	12.03	12.02	11.99
22	10.90	10.93	10.89	10.57	10.57	10.98	11.43	11.80	11.96	12.03	12.02	11.99
23	10.91	10.93	10.89	10.57	10.58	11.00	11.44	11.80	11.96	12.03	12.02	11.98
24	10.90	10.93	10.88	10.56	10.60	11.01	11.45	11.81	11.97	12.03	12.02	11.98
25	10.88	10.94	10.86	10.56	10.61	11.02	11.47	11.81	11.97	12.03	12.02	11.98
26	10.89	10.94	10.86	10.55	10.61	11.04	11.48	11.82	11.98	12.03	12.02	11.98
27	10.91	10.94	10.86	10.54	10.62	11.06	11.51	11.82	11.99	12.03	12.02	11.98
28	10.91	10.93	10.86	10.53	10.64	11.07	11.52	11.83	11.99	12.03	12.01	11.97
29	10.91	10.94	10.83	10.53	10.64	11.08	11.53	11.84	12.00	12.03	12.01	11.97
30	10.91		10.80	10.53	10.65	11.09	11.54	11.85	12.00	12.03	12.01	11.97
31	10.90		10.77		10.67		11.56	11.86		12.03		11.97

1-41-27ca. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 3,247 feet above msl. Highest water level 2.86 below lsd, Feb. 8, 1949; lowest 5.70 below lsd, Aug. 16, 1946. Records available: 1946-52. Apr. 8, 3.95; May 9, 4.05; June 3, 4.42; July 15, 4.89; Aug. 12, 5.02; Sept. 9, 4.97; Dec. 9, 3.56.

1-42-13bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 3,318 feet above msl. Highest water level 3.21 below lsd, Apr. 5, 1949; lowest 5.62 below lsd, Aug. 16, 1946. Records available: 1946-52. Apr. 8, 3.27; May 9, 3.51; June 3, 3.96; July 15, 5.02; Aug. 12, 5.30; Sept. 9, 5.27; Dec. 9, 4.23.

1-42-36aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 17 feet. Land-surface datum is 3,292 feet above msl. Highest water level 9.37 below lsd, Aug. 10, 1950; lowest 11.62 below lsd, Feb. 8, 1949. Records available: 1946-52. Apr. 8, 10.72; May 9, 10.66; June 3, 10.56; July 15, 10.88; Aug. 12, 11.14; Sept. 9, 11.40; Dec. 9, 9.43.

2-36-31bc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 28 feet. Land-surface datum is 2,917 feet above msl. Highest water level 18.83 below lsd, June 3, 1952; lowest 22.84 below lsd, Oct. 6, 1948. Records available: 1946-52. Apr. 8, 18.95; May 9, 18.84; June 3, 18.83; July 15, 19.68; Aug. 12, 19.84; Sept. 9, 20.20; Dec. 9, 20.85.

Franklin County

1-13-2bc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 18 feet. Land-surface datum is 1,759.78 feet above msl. Highest water level 5.94 below lsd, June 22, 1949; lowest 9.56 below lsd, Oct. 8, 1948. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	7.79	May 29	7.85	July 24	8.24	Sept. 16	8.95
Apr. 2	7.90	June 25	8.45	Aug. 25	8.67	Oct. 22	8.90
May 2	7.80						

1-14-7bb1. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 20 feet. Land-surface datum is 1,805.68 feet above msl. Highest water level 0.07 below lsd, May 23, 1949; lowest 5.40 below lsd, Nov. 13, 1940. Records available: 1940-42, 1946-52.

Jan. 16	2.80	May 26	2.90	July 21	3.07	Sept. 15	4.53
Mar. 31	2.23	June 23	4.10	Aug. 25	3.95	Oct. 20	4.53
Apr. 28	1.82						

1-16-14ab. C. Howell. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 80 feet. Land-surface datum is 1,886.95 feet above msl. Highest water level 37.40 below lsd, Oct. 26, 1946; lowest 42.41 below lsd, Aug. 13, 1946. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	39.16	May 26	38.79	July 21	39.43	Sept. 15	41.27
Mar. 31	38.98	June 23	39.40	Aug. 25	41.10	Oct. 20	40.68
Apr. 28	38.81						

2-14-34ad. State of Nebraska. Drilled unused water-table well in sand of Pleistocene age, diameter 4 feet, depth 121 feet. Land-surface datum is 1,895.01 feet above msl. Highest water level 48.23 below lsd, Oct. 20, 1949; lowest 51.10 below lsd, Aug. 5, 1948. Records available: 1947-52.

Jan. 16	49.94	May 29	49.79	July 24	49.66	Sept. 18	49.73
Apr. 2	49.92	June 26	49.78	Aug. 20	49.72	Oct. 22	49.70
May 2	49.85						

4-14-10da. Gilgen Bros. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 12 inches, depth 225 feet. Highest water level 165.82 below lsd, June 30, 1938; lowest 168.86 below lsd, Aug. 12, 1947. Records available: 1935-40, 1942, 1947-49. No measurement made in 1952.

Furnas County

3-21-12dc. U. S. Geol. Survey. Driven observation water-table well in sand, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 2,053 feet above msl. Highest water level 3.23 below lsd, Apr. 24, 1952; lowest 7.04 below lsd, Sept. 25, 1952. Records available: 1946-52. Apr. 24, 3.23; May 20, 3.40; June 17, 5.14; July 29, 6.28; Aug. 29, 6.58; Sept. 25, 7.04; Dec. 17, 5.81.

3-22-2ba. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand, diameter $1\frac{1}{4}$ inches, depth 14 feet. Land-surface datum is 2,116 feet above msl. Highest water level 4.78 below lsd, July 28, 1947; lowest 9.41 below lsd, Dec. 17, 1952. Records available: 1946-52.

Jan. 5	8.75	May 20	7.39	July 30	8.10	Sept. 24	9.26
Apr. 18	8.13	June 17	7.79	Aug. 29	8.79	Dec. 17	9.41

3-25-4bb. U. S. Geol. Survey. Drilled observation water-table well in silt and sand, diameter 8 inches, depth 22 feet. Land-surface datum is 2,258 feet above msl. Highest water level 3.62 below lsd, June 20-22, 1949; lowest 7.37 below lsd, Oct. 3, 1946. Records available: 1946-50. No measurement made in 1952.

4-22-29ad. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 23 feet. Land-surface datum is 2,134 feet above msl. Highest water level 12.23 below lsd, Aug. 13, 1952; lowest 17.60 below lsd, Aug. 13, 1946. Records available: 1946-52.

Jan. 7	14.27	June 17	13.98	Aug. 13	12.23	Oct. 10	14.13
Apr. 18	14.33	July 10	13.97	29	13.35	Nov. 12	14.37
May 20	14.20	29	12.83	Sept. 24	13.91	Dec. 17	14.49
June 4	13.96						

4-23-23bd. O. V. Moore. Drilled stock water-table well in sand of Pleistocene age, diameter 6 inches, depth 43 feet. Highest water level 28.42 below lsd, June 10, 1949; lowest 30.89 below lsd, Sept. 13, 1943. Records available: 1936-44, 1946-52.

Jan. 7	30.57	June 17	28.88	Aug. 29	29.73	Nov. 12	29.62
Apr. 18	28.58	July 29	29.62	Sept. 24	29.85	Dec. 17	29.42
May 20	28.59						

4-23-30cc. Breming Bros. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 93 feet. Highest water level 51.84 below lsd, June 5, 1947; lowest 54.69 below lsd, Aug. 2, 1948. Records available: 1946-52.

Jan. 5	53.32	May 19	52.90	July 30	b53.49	Sept. 23	52.23
Apr. 18	52.94	June 16	53.35	Aug. 29	52.00	Dec. 16	52.59

b Pumped recently.

4-24-15cc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 23 feet. Highest water level 10.68 below lsd, Aug. 29, 1952; lowest 14.20 below lsd, Aug. 14, 1946. Records available: 1946-52.

4-24-15cc--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	12.05	June 16	11.34	Aug. 13	11.03	Oct. 10	11.65
Apr. 18	12.11	July 10	11.73	29	10.68	Nov. 12	11.92
May 19	11.58	28	11.81	Sept. 24	11.40	Dec. 16	12.08
June 4	11.05						

Garden County

17-44-22cc. Dr. G. H. Morris. Drilled unused water-table well in sand and gravel, diameter 1¼ inches, depth 34 feet. Highest water level 20.83 below lsd, Oct. 25, 1935; lowest 27.57 below lsd, Oct. 18, 1950. Records available: 1935-42, 1944-46, 1948-52. July 2, 25.82.

18-46-27cc. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 1.94 below lsd, Sept. 7, 1951; lowest 5.95 below lsd, July 26, 1940. Records available: 1934-42, 1944, 1946, 1948-52. July 2, 3.49.

21-44-35ca. Crescent Lake Migratory Bird Refuge. Drilled observation water-table well in fine sand of Pleistocene age, diameter 1¼ inches, depth 8 feet. Land-surface datum is 3,802.99 feet above msl. Highest water level 0.43 below lsd, Feb. 12, 1934; lowest 5.74 below lsd, Mar. 17, 1938. Records available: 1933-52.

Jan. 5	2.10	Mar. 27	0.70	July 11	3.40	Oct. 10	3.40
11	2.20	Apr. 4	1.10	18	3.40	17	3.60
18	1.80	11	1.50	Aug. 1	3.50	27	3.10
26	1.80	20	1.60	8	3.60	31	3.10
Feb. 1	1.60	May 2	1.90	15	3.30	Nov. 7	3.10
8	1.50	15	2.10	22	3.60	14	2.70
15	1.50	29	1.90	29	3.60	21	2.60
21	1.60	June 6	2.30	Sept. 5	3.50	28	2.60
29	1.50	13	2.80	12	3.70	Dec. 10	2.60
Mar. 7	1.50	20	3.00	18	3.40	19	2.50
15	1.40	July 3	2.90	26	3.40		

21-45-3bd2. Crescent Lake Migratory Bird Refuge. Drilled observation water-table well in fine sand of Pleistocene age, diameter 1¼ inches, depth 10 feet. Land-surface datum is 3,850.97 feet above msl. Highest water level 1.70 below lsd, Mar. 7, 22, 1952; lowest 7.82 below lsd, Nov. 30, 1938. Records available: 1934-52.

Jan. 7	2.50	Mar. 28	2.30	Aug. 1	3.80	Oct. 23	4.10
11	2.40	May 2	2.70	8	4.00	31	4.10
17	2.40	19	3.20	15	4.00	Nov. 7	4.10
26	2.40	29	3.45	22	4.10	14	4.10
Feb. 1	2.80	June 6	3.40	29	4.10	21	4.10
8	2.80	13	3.60	Sept. 5	4.10	28	4.10
15	2.70	20	3.80	12	4.00	Dec. 10	4.00
21	2.70	27	3.20	18	4.10	17	4.00
29	2.70	July 3	3.30	25	4.20	24	4.00
Mar. 7	1.70	11	3.60	Oct. 17	4.10	31	4.00
22	1.70	18	3.70				

Garfield County

21-16-14cb. Frank Smolik. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 154 feet. Highest water level 23.82 below lsd, Oct. 24, 1950; lowest 24.86 below lsd, Apr. 17, 1952. Records available: 1950-52. Apr. 17, 24.86.

24-15-20aa. U. S. Geol. Survey. Driven observation water-table well in fine sand of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 1.80 below lsd, May 29, 1936; lowest 5.70 below lsd, July 17, 1940. Records available: 1935-36, 1938-42, 1952. Dec. 4, 4.19.

Gosper County

6-21-29cc. Forrester. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 136 feet. Land-surface datum is 2,401.25 feet above msl. Highest water level 114.78 below lsd, Oct. 18, 1951; lowest 123.72 below lsd, Oct. 16, 1948. Records available: 1948-52. Feb. 4, 121.06.

7-21-6bc. Andy Larson Estate. Drilled unused water-table well in Ogallala formation, diameter 4 inches, depth 132 feet. Land-surface datum is 2,466.95 feet above msl. Highest water level 100.32 below lsd, June 24, 1952; lowest 117.80 below lsd, Sept. 26, 1935. Records available: 1934-40, 1948-52. Feb. 4, 103.90; June 24, 100.32.

7-21-15bb. Sophia Swartz. Drilled unused water-table well in sand of Pleistocene age, diameter 3 inches, depth 221 feet. Highest water level 191.86 below lsd, Oct. 24, 1951; lowest 199.49 below lsd, Mar. 20, 1950. Records available: 1950-52. Feb. 4, 194.81; June 24, 194.41.

7-22-8bb. Owner unknown. Drilled unused water-table well in sand of Pleistocene age, diameter 3 inches, depth 284 feet. Land-surface datum is 2,638.44 feet above msl. Highest water level 231.58 below lsd, June 24, 1952; lowest 251.65 below lsd, Nov. 25, 1947. Records available: 1947-52. Feb. 4, 232.86; June 24, 231.58.

8-21-3dc. Jeffrey Bros. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 58 feet. Land-surface datum is 2,378 feet above msl. Highest water level 11.10 below lsd, July 14, 1947; lowest 14.50 below lsd, Sept. 10, 1947. Records available: 1946-52. May 22, 12.38; Oct. 23, 13.42.

Grant County

24-36-30bb. U. S. Geol. Survey. Drilled observation water-table well in fine sand, diameter 1 inch, depth 15 feet. Highest water level 3.59 below lsd, June 8, 1935; lowest 6.62 below lsd, July 22, 1940. Records available: 1934-42, 1946-52. June 30, 4.38.

24-40-36bb. U. S. Geol. Survey. Drilled observation water-table well in fine sand, diameter 1 inch, depth 21 feet. Highest water level 12.32 below lsd, June 8, 1935; lowest 14.26 below lsd, Oct. 19, 1948. Records available: 1934-42, 1944-52. June 30, 12.79.

Greeley County

17-12-6dc. Wilber Fuss. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 92 feet. Highest water level 12.41 below lsd, Apr. 28, 1949; lowest 13.76 below lsd, Feb. 27, 1950. Records available: 1948-52. Dec. 4, 13.07.

17-12-9bb. E. E. Williams. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 33 feet. Highest water level 16.45 below lsd, July 13, 1950; lowest 22.22 below lsd, Nov. 29, 1949. Records available: 1949-52. Dec. 4, 19.65.

20-9-20db. U. S. Geol. Survey. Drilled observation water-table well in loess, diameter 3 inches, depth 19 feet. Highest water level 6.85 below lsd, July 24, 1950; lowest 9.84 below lsd, Aug. 12, 1952. Records available: 1937-41, 1948-52. Aug. 12, 9.84.

20-10-14ab. Albert Glaser. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 90 feet. Highest water level 7.85 below lsd, July 24, 1950; lowest 11.88 below lsd, Aug. 4, 1949. Records available: 1948-51. No measurement made in 1952.

Hall County

9-10-4dc. L. C. Hilsbeck. Drilled unused water-table well in silt and sand, diameter 24 inches, depth 25 feet. Land-surface datum is 1,908.13 feet above msl. Highest water level 2.91 below lsd, Mar. 30, 1951; lowest 6.87 below lsd, Sept. 7, 1946. Records available: 1946-52. May 15, 4.31; Sept. 30, 6.62.

9-11-21bb. U. S. Geol. Survey. Driven observation water-table well in sand, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 1,957.8 feet above msl. Highest water level 6.86 below lsd, May 11, 1950; lowest 9.52 below lsd, Sept. 7, 1946. Records available: 1946-52. Jan. 14, 7.58; Mar. 4, 7.55; May 15, 7.47; Sept. 30, 9.28.

9-12-9ba. E. F. Ohlman. Drilled irrigation water-table well in gravel and sand of Pleistocene age, diameter 24 inches, depth 63 feet. Land-surface datum is 2,002.28 feet above msl. Highest water level 18.50 below lsd, July 5, 1949; lowest 23.35 below lsd, Sept. 6-12, 1946. Records available: 1930-52. Jan. 21, 20.28; Mar. 4, 20.42; May 15, 19.78; Sept. 29, 21.52.

10-9-28cc. Owner unknown. Drilled irrigation water-table well in sand of Pleistocene age, diameter 22 inches, depth 90 feet. Land-surface datum is 1,886.9 feet above msl. Highest water level 12.93 below lsd, July 8, 1949; lowest 15.32 below lsd, Sept. 3, 1946. Records available: 1946-52. Jan. 14, 13.17; Mar. 4, 13.25; May 15, 13.02; Sept. 30, 14.20.

10-11-15dc. W. A. Bouton. Drilled irrigation water-table well in gravel and sand of Pleistocene age, diameter 24 inches, depth 53 feet. Land-surface datum is 1,944.0 feet above msl. Highest water level 15.20 below lsd, July 5, 1949; lowest 21.12 below lsd, Sept. 5, 1946. Records available: 1930-52. Jan. 21, 18.56; Mar. 4, 18.75; May 15, 18.18; Sept. 30, 19.68.

10-11-30bc. J. M. Weldon. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 65 feet. Land-surface datum is 1,969.1 feet above msl. Highest water level 15.67 below lsd, June 23-30, 1931; lowest 23.92 below lsd, Aug. 18, 1944. Records available: 1930-52. Jan. 21, 18.88; Mar. 4, 19.04; May 15, 18.78; Sept. 29, 18.79.

11-9-27bc. City of Grand Island. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches. Highest water level 6.00 below lsd, July 10, 1947; lowest 10.70 below lsd, Feb. 26, 1944, Nov. 21, 1950. Records available: 1942-52. Jan. 21, 9.88; Apr. 3, 9.67; May 19, 9.18; Oct. 1, 10.08.

11-10-16bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 19 feet. Land-surface datum is 1,892.50 feet above msl. Highest water level 7.85 below lsd, May 19, 1952; lowest 11.07 below lsd, May 8, 1946. Records available: 1946-52. Jan. 18, 8.40; Mar. 20, 8.50; May 19, 7.85.

11-11-25cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 8 inches, depth 37 feet. Land-surface datum is 1,922.4 feet above msl. Highest water level 12.18 below lsd, June 25, 1949; lowest 17.10 below lsd, Oct. 4, 1946. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.71	14.72	14.77	.....	.....	14.51	14.34	13.69	14.67	14.51	14.60	.....
2	14.72	14.72	14.77	.....	.....	14.48	14.35	13.84	14.66	14.52	14.63	.....
3	14.72	14.72	14.74	.....	.....	14.48	14.35	13.87	14.64	14.52	14.64	.....
4	14.70	14.71	14.73	.....	.....	14.46	14.35	13.95	14.62	14.52	14.63	.....
5	14.70	14.71	14.75	.....	.....	14.45	14.35	14.10	14.59	14.53	14.63	.....
6	.....	14.70	14.74	.....	.....	14.45	14.35	14.24	14.58	14.54	14.64	.....
7	.....	14.71	14.77	.....	.....	14.44	14.35	14.37	14.58	14.54	14.64	.....
8	.....	14.74	14.78	.....	.....	14.43	14.35	14.48	14.56	14.54	14.65	.....
9	.....	14.75	14.79	.....	.....	14.43	14.35	14.48	14.55	14.54	14.65	.....
10	.....	14.75	14.78	.....	.....	14.42	14.35	14.42	14.54	14.54	14.65	.....
11	.....	14.74	14.75	.....	.....	14.42	14.35	14.30	14.53	14.54	14.67	14.88
12	.....	14.73	14.73	.....	.....	14.39	14.34	14.22	14.53	14.54	14.68	14.86
13	.....	14.73	14.73	.....	.....	14.36	14.35	14.15	14.52	14.54	14.67	14.86
14	14.64	14.75	.....	.....	.....	14.35	14.25	14.11	14.53	14.55	14.68	14.86
15	14.70	14.76	.....	.....	.....	14.34	13.99	14.08	14.53	14.55	14.68	14.86
16	14.70	14.75	.....	.....	.....	14.33	13.79	14.07	14.53	14.55	14.68	14.85
17	14.71	14.75	.....	.....	.....	14.33	13.59	14.07	14.51	14.56	14.68	14.87
18	14.71	14.76	.....	.....	14.54	14.32	13.50	14.07	14.51	14.56	14.70	14.87
19	14.70	14.76	14.73	.....	14.54	14.32	13.42	.....	14.51	14.56	14.71	14.87
20	14.72	14.75	14.73	.....	14.53	14.31	13.36	.....	14.51	14.57	14.71	14.88
21	14.70	14.74	14.74	.....	14.52	14.31	13.32	.....	14.51	14.57	14.72	14.88
22	14.68	14.72	14.73	.....	14.52	14.32	13.29	.....	14.52	14.57	14.73	14.87
23	14.72	14.73	14.72	.....	14.52	14.33	13.28	.....	14.52	14.58	14.73	14.88
24	14.72	14.74	14.72	.....	14.57	14.33	13.27	.....	14.52	14.58	14.73	14.89
25	14.73	14.72	14.73	.....	14.58	14.33	13.25	14.61	14.52	14.57	14.73	14.89
26	14.72	14.74	14.73	.....	14.58	14.34	13.25	14.69	14.52	14.58	.....	14.89
27	14.72	14.76	.....	.....	14.57	14.34	13.25	14.75	14.52	14.59	.....	14.88
28	14.70	14.76	.....	.....	14.57	14.34	13.25	14.78	14.50	14.60	.....	14.89
29	14.71	14.77	.....	.....	14.55	14.34	13.26	14.78	14.50	14.60	.....	14.89
30	14.72		.....	.....	14.53	14.34	13.36	14.76	14.50	14.60	.....	14.90
31	14.73		.....		14.52		13.53	14.70		14.60		.....

11-11-32cb. Frank Hughes. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 65 feet. Land-surface datum is 1,960.0 feet above msl. Highest water level 29.04 below lsd, May 20, 1931; lowest 36.80 below lsd, Sept. 3, 1948. Records available: 1930-41, 1943-52. Jan. 18, 34.07; Mar. 20, 33.93; Apr. 30, 33.79; May 15, 33.73; Sept. 30, 35.37.

11-11-36cb. C. B. Modesitt. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 8 feet, depth 71 feet. Land-surface datum is 1,929.0 feet above msl. Highest water level 19.90 below lsd, July 5, 1949; lowest 26.07 below lsd, Sept. 4, 1946. Records available: 1930-40, 1943-52. Jan. 18, 21.70; Mar. 20, 21.76; May 19, 21.43; Oct. 1, 21.91.

12-9-32aa2. Hall County Farm. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 92 feet. Land-surface datum is 1,859.8 feet above msl. Highest water level 9.72 below lsd, July 5, 1949; lowest 13.35 below lsd, Sept. 4, 1946. Records available: 1946-52. Jan. 18, 11.00; Mar. 21, 10.86; May 15, 9.94; Oct. 1, 12.04.

12-11-24cd. U. S. Geol. Survey. Drilled observation water-table well in clay and fine sand, diameter 1¼ inches, depth 17 feet. Land-surface datum is 1,900.80 feet above msl. Highest water level 3.54 below lsd, July 5, 1949; lowest 12.26 below lsd, Oct. 4, 1946. Records available: 1946-52. Jan. 18, 7.18; Mar. 20, 6.91; May 15, 4.62.

Hamilton County

9-6-34bb. Tom Wild. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 87 feet. Highest water level 38.40 below lsd, Apr. 29, 1949; lowest 44.29 below lsd, Nov. 14, 1940. Records available: 1934-42, 1946-49. No measurement made in 1952.

9-8-9dc. Robert Phillips. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 5 inches, depth 67 feet. Land-surface datum is 1,848.58 feet above msl. Highest water level 54.38 below lsd, Oct. 30, 1935; lowest 58.40 below lsd, Dec. 31, 1946. Records available: 1934-42, 1944, 1946, 1948-50. No measurement made in 1952.

10-7-5bb. Owner unknown. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches. Land-surface datum is 1,864.05 feet above msl. Records available: 1949. No measurement made in 1952.

11-6-13cb. O. S. Swedberg. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 193 feet. Highest water level 90.30 below lsd, Jan. 24, 1935; lowest 94.23 below lsd, Jan. 21, 1941. Records available: 1934-42, 1944, 1946-52. Feb. 28, 92.48; Sept. 11, 94.21.

11-8-28bc. H. J. Rathje. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 90 feet. Land-surface datum is 1,844.74 feet above msl. Highest water level 29.22 below lsd, Jan. 22, 1952; lowest 32.23 below lsd, Sept. 3, 1946. Records available: 1946-52. Jan. 22, 29.22; Apr. 3, 29.27; May 28, 29.32; Oct. 28, 30.27.

12-7-21dc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 15 feet. Land-surface datum is 1,776.25 feet above msl. Highest water level 7.64 below lsd, June 14, 1949; lowest 12.02 below lsd, Mar. 26, 1951. Records available: 1949-52. Jan. 22, 10.97; Apr. 3, 10.83; May 28, 9.46; Oct. 28, 10.71.

13-6-27cc. Harry G. Lock. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 24 inches, depth 61 feet. Land-surface datum is 1,714.94 feet above msl. Highest water level 7.57 below lsd, May 28, 1952; lowest 11.41 below lsd, Nov. 14, 1940. Records available: 1935-40, 1942, 1944, 1946-52. Jan. 22, 10.18; Apr. 3, 7.97; May 28, 7.57; Oct. 28, 9.98.

14-5-35aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Land-surface datum is 1,643.67 feet above msl. Highest water level 2.51 below lsd, Mar. 27, 1952; lowest 4.68 below lsd, Oct. 28, 1952. Records available: 1949-52. Jan. 22, 2.60; Mar. 27, 2.51; Oct. 28, 4.68.

Harlan County

1-17-1da. U. S. Geol. Survey. Drilled observation water-table well in silt and soil of Pleistocene age, diameter 1¼ inches, depth 14 feet. Land-surface datum is 1,878.45 feet above msl. Highest water level 1.95 below lsd, Oct. 25, 1946; lowest 8.00 below lsd, Oct. 7, 1948. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	5.59	May 26	5.11	July 21	5.47	Sept. 15	7.75
Mar. 31	4.18	June 23	6.39	Aug. 25	7.29	Oct. 20	7.65
Apr. 28	4.20						

2-18-33cd. C. A. Feese. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 4 feet, depth 27 feet. Highest water level 5.68 below lsd, Aug. 1, 1947; lowest 14.42 below lsd, Sept. 27, 1934. Records available: 1934-42, 1944, 1946-52.

Jan. 8	11.38	May 21	11.08	July 31	11.14	Sept. 25	12.36
Apr. 25	11.29	June 18	11.35	Sept. 2	11.82	Dec. 18	13.03

2-19-28dd. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 22 feet. Highest water level 6.59 below lsd, June 11, 1949; lowest 10.74 below lsd, Nov. 12, 1940. Records available: 1940-41, 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	8.80	May 21	8.31	July 31	9.64	Sept. 25	10.40
Apr. 25	8.35	June 18	9.13	Sept. 2	10.05	Dec. 18	9.98

3-20-25cc. U. S. Geol. Survey. Drilled observation water-table well in silt and clay of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 2,024 feet above msl. Highest water level 10.22 below lsd, Aug. 1, 1947; lowest 16.88 below lsd, Sept. 25, 1952. Records available: 1946-52.

Jan. 8	13.87	May 21	12.96	July 31	15.02	Sept. 25	16.88
Apr. 25	12.82	June 18	13.76	Sept. 2	15.95	Dec. 18	16.21

Hayes County

5-33-31dc. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 23 feet. Highest water level 6.64 below lsd, Apr. 9, 1937; lowest 14.82 below lsd, Oct. 8, 1947. Records available: 1936-44, 1946-52. Apr. 7, 12.70; May 5, 12.70; June 2, 13.09; July 16, 13.64; Aug. 11, 14.00; Sept. 8, 13.42; Dec. 8, 13.05.

5-34-30ba. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 17 feet. Highest water level 9.63 below lsd, Feb. 8, 1949; lowest 11.84 below lsd, Dec. 6, 1950. Records available: 1946-52. Apr. 7, 10.19; May 5, 10.33; June 2, 10.74; July 16, 11.09; Aug. 11, 11.05; Sept. 8, 11.11; Dec. 8, 11.02.

5-35-16dd. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Highest water level 6.83 below lsd, Feb. 8, 1949; lowest 9.74 below lsd, Dec. 7, 1950. Records available: 1946-52. Apr. 7, 7.74; May 5, 7.83; June 2, 8.44; July 16, 9.17; Aug. 11, 9.35; Sept. 8, 8.85; Dec. 8, 8.94.

Hitchcock County

2-33-6cb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 16 feet. Highest water level 7.69 below lsd, Apr. 4, 1949; lowest 11.32 below lsd, Oct. 6, 1948. Records available: 1946-52.

Jan. 4	9.67	May 15	9.46	July 18	9.83	Sept. 11	11.03
Apr. 15	9.64	June 12	9.54	Aug. 14	10.49	Dec. 11	9.54

2-35-21bc. Rev. Otto Brownfield. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 16 inches, depth 47 feet. Land-surface datum is 2,831.0 feet above msl. Highest water level 19.08 below lsd, June 3, 1952; lowest 21.73 below lsd, Sept. 24, 1934. Records available: 1934-41, 1946-52. Apr. 8, 19.28; May 9, 19.17; June 3, 19.08; July 15, 20.64; Aug. 12, 21.19; Sept. 9, 21.70; Dec. 9, 21.42.

2-35-24aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 2,779.0 feet above msl. Highest water level 3.67 below lsd, June 9, 1949; lowest 8.77 below lsd, Oct. 8, 1947. Records available: 1946-52.

Jan. 4	4.89	May 15	4.20	July 18	6.68	Sept. 11	7.35
Apr. 15	4.19	June 12	5.37	Aug. 14	7.02	Dec. 11	6.16

3-31-14bc. U. S. Geol. Survey. Drilled observation water-table well in silt of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 26 feet. Land-surface datum is 2,569.0 feet above msl. Highest water level 11.82 below lsd, Oct. 8, 1947; lowest 15.88 below lsd, Aug. 15, 1946. Records available: 1946-52. Apr. 7, 14.38; May 5, 14.35; June 2, 14.63; July 16, 14.53; Aug. 11, 15.07; Sept. 8, 14.70; Dec. 8, 14.75.

3-32-11bb. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 18 feet. Highest water level 12.65 below lsd, Feb. 8, 1949; lowest 14.45 below lsd, Aug. 11, 1952. Records available: 1946-52. Apr. 7, 13.35; May 5, 13.39; June 2, 13.50; July 16, 14.17; Aug. 11, 14.45; Sept. 8, 12.80; Dec. 8, 13.42.

3-32-26dd. Ernst Meintz. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 84 feet. Highest water level 26.74 below lsd, Apr. 14, 1952; lowest 29.92 below lsd, Aug. 1, 1949. Records available: 1946-52. Jan. 4, 27.25; Apr. 14, 26.74; May 7, 27.43; June 5, 26.84; July 17, 27.83; Dec. 10, 28.73.

3-33-35dc. S. H. Lawrence. Drilled unused water-table well in gravel of Pleistocene age, diameter 1¼ inches, depth 27 feet. Highest water level 9.38 below lsd, June 10, 1949; lowest 12.96 below lsd, Sept. 10, 1952. Records available: 1935-43, 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	10.33	May 7	9.86	July 17	10.93	Sept. 10	12.96
Apr. 14	9.95	June 5	9.89	Aug. 15	12.00	Dec. 11	12.18

4-33-23ad. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter 1¼ inches, depth 19 feet. Highest water level 11.70 below lsd, June 9, 1949; lowest 13.83 below lsd, Oct. 6, 1948. Records available: 1946-52. Apr. 7, 12.03; May 5, 12.10; June 2, 12.45; July 16, 13.50; Aug. 11, 13.81; Sept. 8, 13.60; Dec. 8, 12.75.

Holt County

27-9-34da. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 3.73 below lsd, Mar. 29, 1952; lowest 9.90 below lsd, Sept. 1, 1948. Records available: 1934-52.

Jan. 4	6.66	May 6	6.85	Aug. 27	6.98	Nov. 4	8.10
30	6.65	25	6.71	Sept. 9	7.76	17	8.18
Feb. 19	4.09	June 17	7.50	23	8.00	Dec. 3	8.06
Mar. 25	5.27	July 16	8.19	Oct. 7	8.05	17	8.06
29	3.73	Aug. 1	7.50	21	8.30	30	7.84
Apr. 22	5.53	12	7.34				

29-13-13dd. Owner unknown. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 55 feet. Land-surface datum is 2,055.81 feet above msl. Highest water level 33.60 below lsd, June 30, 1952; lowest 43.07 below lsd, Mar. 22, 1948. Records available: 1947-52. Jan. 15, 34.64; Apr. 1, 34.34; June 30, 33.60; Sept. 25, 33.84.

30-13-27cc. Owner unknown. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 67 feet. Land-surface datum is 2,064.64 feet above msl. Highest water level 18.39 below lsd, June 30, 1952; lowest 30.80 below lsd, Oct. 13, 1948. Records available: 1947-52. Jan. 15, 20.29; Apr. 1, 19.93; June 30, 18.39; Sept. 25, 20.07.

30-14-23dd. Drilled stock water-table well in sand of Pleistocene age, diameter 6 inches, depth 46 feet. Land-surface datum is 2,090.15 feet above msl. Highest water level 26.37 below lsd, June 30, 1952; lowest 32.05 below lsd, July 12, 1948. Records available: 1947-48, 1950-52. Jan. 15, 26.74; Apr. 1, 27.04; June 30, 26.37; Sept. 25, 26.38.

31-14-35cb. Owner unknown. Drilled unused water-table well in sand of Pleistocene age, diameter 5 inches, depth 28 feet. Land-surface datum is 2,077.39 feet above msl. Highest water level 21.79 below lsd, Apr. 1, 1952; lowest 29.21 below lsd, June 15, 1948. Records available: 1947-52. Apr. 1, 21.79; June 30, 21.92; Sept. 25, 22.19.

Hooker County

24-31-18cb. U. S. Bureau of Reclamation. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 42 feet. Highest water level 32.51 below lsd, Oct. 5, 1950; lowest 33.26 below lsd, June 30, 1952. Records available: 1948, 1950-52. June 30, 33.26.

24-35-23dd. U. S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diameter 1 inch, depth 23 feet. Highest water level 0.19 below lsd, June 8, 1935; lowest 20.87 below lsd, May 13, 1949. Records available: 1934-42, 1944-52. June 30, 6.70.

Howard County

13-9-27ca. Placke Estate. Drilled unused water-table well in gravel of Pleistocene age, diameter 2 inches, depth 53 feet. Land-surface datum is 1,857.95 feet above msl. Highest water level 15.47 below lsd, Aug. 16, 1950; lowest 22.09 below lsd, Oct. 26, 1940. Records available: 1934-42, 1944, 1948-52. Oct. 1, 15.62.

13-11-11ba. Town of Dannebrog. Drilled unused water-table well in sand of Pleistocene age, diameter 8 inches, depth 31 feet. Land-surface datum is 1,870.84 feet above msl. Highest water level 25.11 below lsd, July 5-6, 1951; lowest 28.01 below lsd, Oct. 3-6, 1952. Records available: 1950-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	26.28	26.26	26.05	26.02	25.97	26.67	27.22	27.55	27.98	27.63	27.47
2	26.34	26.28	26.25	26.10	26.02	25.96	26.72	27.24	27.57	27.98	27.65	27.45
3	26.36	26.24	26.26	26.10	26.02	25.99	26.78	27.14	27.58	28.01	27.65	27.42
4	26.36	26.24	26.29	26.07	26.02	25.98	26.78	27.24	27.58	28.01	27.64	27.44
5	26.33	26.24	26.33	26.14	26.00	26.02	26.80	27.25	27.61	28.01	27.62	27.45
6	26.33	26.26	26.34	26.15	26.01	26.04	26.81	27.27	27.65	28.01	27.59	.....
7	26.32	26.26	26.34	26.15	26.02	26.06	26.84	27.27	27.65	27.97	27.59	.....
8	26.25	26.27	26.34	26.10	26.02	26.07	26.84	27.27	27.67	27.95	27.58	.....
9	26.31	26.27	26.29	26.10	26.00	26.08	26.83	27.29	27.68	27.92	27.58	.....
10	26.33	26.25	26.25	26.17	26.04	26.08	26.83	27.30	27.70	27.91	27.58	.....
11	26.30	26.25	26.25	26.17	26.05	26.12	26.86	27.26	27.71	27.90	27.55	.....
12	26.31	26.24	26.22	26.12	26.05	26.14	26.90	27.22	27.73	27.88	27.53	.....
13	26.31	26.21	26.13	26.08	26.05	26.17	26.91	27.25	27.75	.....	27.51	.....
14	26.23	26.25	26.13	26.11	26.01	26.23	26.83	27.22	27.76	27.87	27.48	.....
15	26.25	26.27	26.13	26.11	26.01	26.25	26.75	27.31	27.76	27.87	27.47	.....
16	26.25	26.26	26.12	26.14	26.00	26.32	26.80	27.34	27.79	27.84	.....	.....
17	26.26	26.25	26.07	26.14	26.03	26.37	26.85	27.36	27.81	27.82	27.49	.....
18	26.26	26.23	26.04	26.14	26.04	26.41	26.91	27.39	27.83	27.82	27.51	.....
19	26.24	26.24	26.04	26.09	26.04	26.42	26.91	27.39	27.87	27.82	27.52	.....
20	26.26	26.28	26.12	26.06	26.02	26.42	26.94	27.43	27.87	27.82	27.52	.....
21	26.22	26.28	26.13	26.03	25.98	26.41	26.97	27.46	27.87	27.82	27.52	.....
22	26.24	26.30	.....	26.01	25.95	26.41	27.00	27.47	27.87	27.81	27.53	.....
23	26.27	26.30	.....	25.98	25.96	26.42	27.00	27.49	27.87	27.80	27.53	.....
24	26.27	.....	.....	26.02	26.01	26.48	27.00	27.49	27.88	27.75	27.53	.....
25	26.22	.....	.....	26.04	26.02	26.54	27.01	27.49	27.89	27.72	27.49	.....
26	26.26	26.30	.....	26.02	26.02	26.54	27.01	27.53	27.89	27.72	27.47	.....
27	26.27	26.29	26.04	26.02	25.97	26.58	.....	27.56	27.91	27.72	27.49	.....
28	.....	26.26	26.10	26.00	25.91	26.63	27.14	27.56	27.93	27.72	27.49	.....
29	.....	26.26	26.10	26.01	25.89	26.64	27.15	27.56	27.94	27.71	27.49	.....
30	.....		26.03	26.01	25.88	26.65	27.17	27.53	27.97	27.65	27.50	.....
31	26.26		25.97		25.94		27.19	27.53		27.63		.....

13-11-29cb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Land-surface datum is 1,875.92 feet above msl. Highest water level 2.79 below lsd, Apr. 10, 1950; lowest 5.46 below lsd, Oct. 31, 1950. Records available: 1949-52. Feb. 11, 4.30; Apr. 10, 4.27; July 14, 5.06.

13-12-29ba. Mrs. Olga Young. Dug unused water-table well in sand of Pleistocene age, diameter 36 inches, depth 31 feet, cribbed with brick. Land-surface datum is 1,928.08 feet above msl. Highest water level 24.36 below lsd, July 8, 1949; lowest 30.43 below lsd, Oct. 28, 1940. Records available: 1934-42, 1948-52. Feb. 11, 25.94; July 14, 26.05.

14-10-14bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 12 feet. Land-surface datum is 1,795.83 feet above msl. Highest water level 4.21 below lsd, Aug. 17, 1950; lowest 8.15 below lsd, Oct. 29, 1940. Records available: 1934-42, 1944, 1948-52. Dec. 5, 7.18.

14-10-28dd. School District. Drilled unused water-table well in sand of Pleistocene age, diameter 1¼ inches. Land-surface datum is 1,813.22 feet above msl. Highest water level 4.06 below lsd, May 22, 1949; lowest 5.53 below lsd, July 14, 1952. Records available: 1949-52. July 14, 5.53.

14-11-6ba. Town of Farwell. Drilled public-supply water-table well in sand of Pleistocene age, diameter 12 inches, depth 115 feet. Highest water level 27.29 below lsd, Dec. 5, 1952; lowest 30.81 below lsd, Aug. 15, 1949. Records available: 1949, 1952. Dec. 5, 27.29.

15-9-9aa. Wilber Edwards. Drilled unused water-table well in sand of Pleistocene age, diameter 18 inches, depth 90 feet. Land-surface datum is 1,780.23 feet above msl. Highest water level 30.94 below lsd, Sept. 11, Oct. 2-3, 1951; lowest 32.91 below lsd, Feb. 20, 1949. Records available: 1948-52. Recording gage removed.

15-9-9aa--Continued.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31.29	31.37	31.40	31.46	31.45	31.42	31.45	31.52	31.72
2	31.29	31.34	31.39	31.46	31.46	31.38	31.48	31.53	31.72
3	31.30	31.35	31.43	31.43	31.46	31.41	31.50	31.53	31.72
4	31.26	31.35	31.45	31.46	31.44	31.37	31.48	31.55	31.70
5	31.29	31.39	31.45	31.46	31.45	31.39	31.46	31.55	31.72
6	31.29	31.39	31.46	31.46	31.46	31.40	31.43	31.57	31.73
7	31.25	31.36	31.46	31.41	31.45	31.39	31.50	31.55	31.72
8	31.27	31.39	31.43	31.43	31.45	31.40	31.50	31.56	31.71
9	31.34	31.37	31.37	31.48	31.46	31.41	31.47	31.57	31.72
10	31.34	31.37	31.41	31.48	31.48	31.38	31.44	31.55	31.72
11	31.27	31.37	31.43	31.42	31.46	31.37	31.47	31.58	31.73
12	31.29	31.34	31.37	31.40	31.48	31.37	31.48	31.58	31.72
13	31.27	31.37	31.46	31.44	31.47	31.37	31.49	31.58	31.73
14	31.28	31.40	31.48	31.45	31.41	31.39	31.48	31.55	31.77
15	31.29	31.40	31.48	31.45	31.44	31.39	31.48	31.58	31.75
16	31.28	31.38	31.47	31.49	31.47	31.42	31.46	31.59	31.73
17	31.32	31.35	31.39	31.48	31.49	31.42	31.48	31.60	31.74
18	31.32	31.34	31.40	31.45	31.49	31.44	31.49	31.62	31.78
19	31.32	31.38	31.43	31.44	31.46	31.44	31.49	31.59	31.79
20	31.35	31.42	31.48	31.44	31.44	31.39	31.48	31.62	31.80
21	31.28	31.42	31.47	31.45	31.40	31.41	31.49	31.65	31.80
22	31.26	31.40	31.45	31.47	31.42	31.40	31.53	31.65	31.82
23	31.27	31.40	31.45	31.47	31.45	31.38	31.55	31.63	31.80
24	31.27	31.45	31.46	31.49	31.46	31.38	31.53	31.62	.....
25	31.28	31.45	31.47	31.48	31.46	31.43	31.53	31.61	.....
26	31.34	31.39	31.49	31.45	31.45	31.45	31.54	31.65	.....
27	31.36	31.37	31.47	31.43	31.47	31.42	31.53	31.67	.....
28	31.37	31.37	31.43	31.44	31.44	31.46	31.55	31.69	.....
29	31.35	31.40	31.40	31.45	31.42	31.46	31.53	31.68	.....
30	31.31		31.38	31.45	31.39	31.45	31.54	31.66	.....
31	31.34		31.43		31.41		31.55	31.70	

* No record for October, November, and December.

15-10-19ab. Harry Ward. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 82 feet. Land-surface datum is 1,801.15 feet above msl. Highest water level 8.48 below lsd, June 29, 1948; lowest 11.53 below lsd, Sept. 2, 1949. Records available: 1948-52. Dec. 5, 10.69.

16-11-19cb1. Ray Parker. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 96 feet. Land-surface datum is 1,904.72 feet above msl. Highest water level 40.56 below lsd, May 31, June 1, 1951; lowest 46.41 below lsd, July 28-31, Aug. 1, 1951. Records available: 1950-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.87	42.41
2	41.72	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.87	42.40
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.87	42.40
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.80	42.40
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.81	42.38
6	.....	.....	.....	.....	.....	41.44	.....	.....	.....	.....	42.82	42.36
7	.....	.....	.....	.....	.....	42.42	.....	.....	.....	.....	42.80	42.36
8	.....	.....	.....	.....	.....	42.47	.....	.....	.....	.....	42.79	42.36
9	.....	.....	.....	.....	.....	42.47	.....	.....	.....	.....	42.79	42.37
10	.....	.....	.....	41.51	.....	42.45	.....	.....	.....	.....	42.77	42.36
11	.....	.....	.....	.....	.....	42.45	.....	.....	.....	.....	42.76	42.36
12	.....	.....	.....	.....	.....	42.44	.....	.....	.....	.....	42.75	42.35
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.73	42.35
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	43.14	42.74	42.33
15	.....	.....	.....	.....	.....	.....	.....	43.92	42.99	43.13	42.73	42.31
16	.....	.....	.....	.....	.....	.....	.....	.....	42.99	43.08	43.73	42.31
17	.....	.....	.....	41.46	.....	.....	.....	.....	.....	43.08	42.71	42.33
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	43.05	42.71	42.33
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	43.02	42.69	42.29
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	43.02	42.65	42.29

16-11-19cb1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.98	42.64	42.28
22	.....	.....	.....	.....	.....	.....	44.05	.....	.....	42.96	42.63	42.28
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.95	42.63	42.30
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.93	42.60	42.30
25	.....	.....	.....	41.47	.....	.....	.....	43.90	.....	42.92	42.56	42.28
26	.....	41.54	41.50	.....	.....	42.46	.....	.....	.....	42.91	42.57	42.30
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.93	42.54	42.30
28	.....	.....	.....	.....	41.46	.....	.....	.....	.....	42.91	42.50	42.28
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.87	42.47	42.28
30	.....		.....	.....	.....	.....	.....	.....	.....	42.86	42.45	42.28
31	41.62		.....		.....		.....	.....		42.86		42.28

Jefferson County

A1-4-19ac. Robert Garrett. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 35 feet. Highest water level 28.31 below lsd, July 1, 1938; lowest 31.43 below lsd, Oct. 23, 1937. Records available: 1934-40, 1946. No measurement made in 1952.

Kearney County

5-14-16cb. Nels Peterson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 255 feet. Land-surface datum is 2,179.70 feet above msl. Highest water level 140.10 below lsd, Aug. 21, 1951; lowest 142.18 below lsd, Aug. 11, 1947. Records available: 1947-52. Feb. 1, 140.78.

5-14-33bb. Mrs. Ingeborg Nielson. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 172 feet. Land-surface datum is 2,175.07 feet above msl. Highest water level 157.51 below lsd, Sept. 26, 1950; lowest 158.53 below lsd, Sept. 14, 1948. Records available: 1948-52. Feb. 1, 157.76; June 19, 157.70.

5-15-3ba. Ed Downs. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 122 feet. Land-surface datum is 2,192.73 feet above msl. Highest water level 100.50 below lsd, Oct. 30, 1952; lowest 108.15 below lsd, Aug. 8, 1947. Records available: 1947-52.

Daily lowest water level from recorder graph*

Day	Feb.	June	July	Aug.	Sept.	Oct.	Nov.
1	101.55	.....	100.84	101.14	.....	100.96	100.65
2	101.48	.....	101.07	101.11	.....	101.03	100.99
3	101.49	.....	101.07	101.04	.....	100.79	100.99
4	101.49	.....	100.91	.....	.....	100.85	100.83
5	101.63	.....	100.78	.....	.....	100.90	100.84
6	101.63	.....	101.00	.....	.....	100.96	100.70
7	101.47	.....	101.00	.....	.....	100.90	100.70
8	101.56	.....	100.95	.....	.....	100.73	100.75
9	101.48	.....	100.74	.....	.....	100.76	100.75
10	101.42	.....	100.65	.....	.....	100.73	100.64
11	101.42	.....	100.80	.....	.....	100.78	100.93
12	101.29	.....	100.90	.....	.....	100.65	100.93
13	101.44	.....	100.90	.....	.....	100.77	.....
14	101.64	.....	100.90	.....	.....	100.91	.....
15	101.64	.....	100.75	.....	.....	100.89	.....
16	101.46	.....	100.72	.....	.....	100.72	.....
17	101.32	.....	100.77	.....	.....	100.94	.....
18	101.22	101.10	100.77	.....	.....	100.92	.....
19	101.49	101.05	100.70	.....	100.97	100.81	.....
20	101.59	100.87	100.74	.....	101.09	100.88	.....
21	101.59	100.87	100.80	.....	101.07	100.79	.....
22	101.43	100.80	101.13	.....	101.02	100.67	.....
23	.....	100.72	101.13	.....	100.91	100.71	.....
24	.....	100.96	101.00	.....	100.86	100.60	.....
25	.....	101.10	101.10	.....	100.84	100.59	.....
26	.....	101.07	101.09	.....	100.88	100.65	.....
27	.....	101.06	101.11	.....	100.77	100.83	.....
28	.....	101.08	101.14	.....	100.83	100.94	.....
29	.....	101.00	101.17	.....	100.85	100.70	.....
30		100.86	101.17	.....	100.80	100.50	.....
31			101.15	.....		100.65	

* No record for January, March, April, May, and December.

5-16-30da. R. R. Caswell. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 172 feet. Land-surface datum is 2,228.21 feet above msl. Highest water level 135.48 below lsd, May 24, 1951; lowest 137.65 below lsd, Aug. 3, 1948. Records available: 1947-52. Feb. 1, 135.68.

6-13-16db. V. M. Youngson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 171 feet. Land-surface datum is 2,082.10 feet above msl. Highest water level 83.75 below lsd, June 19, 1952; lowest 89.42 below lsd, Aug. 13, 1947. Records available: 1947-52. June 19, 83.75.

6-14-21db. Eva L. Larson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches. Land-surface datum is 2,155.93 feet above msl. Highest water level 102.22 below lsd, June 19, 1952; lowest 104.62 below lsd, Dec. 5, 1950. Records available: 1947-52. June 19, 102.22.

6-15-1cb. Roy Youngson. Drilled irrigation water-table well in gravel, diameter 18 inches, depth 176 feet. Land-surface datum is 2,171.80 feet above msl. Highest water level 66.38 below lsd, Feb. 1, 1952; lowest 71.36 below lsd, June 29, 1948. Records available: 1948-52. Feb. 1, 66.38; June 18, 67.70.

6-16-20bb. Elmer E. Carlson. Drilled unused water-table well in gravel, diameter 3 inches, depth 102 feet. Land-surface datum is 2,235.72 feet above msl. Highest water level 68.22 below lsd, Jan. 23, 1951; lowest 100.50 below lsd, Oct. 29, 1938. Records available: 1934-42, 1946-52. Feb. 1, 75.12.

6-16-14ad. George Johnson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 12 inches, depth 210 feet. Land-surface datum is 2,217.72 feet above msl. Highest water level 75.36 below lsd, June 18, 1952; lowest 82.65 below lsd, Apr. 12, 1949. Records available: 1948-52. Feb. 1, 75.44; June 18, 75.36.

7-13-20aa. Charles Gleason. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 168 feet. Land-surface datum is 2,087.54 feet above msl. Highest water level 52.25 below lsd, June 19, 1952; lowest 56.67 below lsd, Nov. 17, 1947. Records available: 1947-52. Feb. 5, 53.51; June 19, 52.25.

7-14-20ba. George Burchall. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 183 feet. Land-surface datum is 2,155.96 feet above msl. Highest water level 72.62 below lsd, Oct. 23, 1951; lowest 75.75 below lsd, June 10, 1949. Records available: 1948-52. Feb. 1, 72.69.

7-16-8dc. Israel Kring Estate. Drilled irrigation water-table well in sand of Pleistocene age, diameter 14 inches, depth 54 feet. Land-surface datum is 2,176.80 feet above msl. Highest water level 13.52 below lsd, July 27, 1950; lowest 18.93 below lsd, Aug. 7, 1947. Records available: 1947-51. No measurement made in 1952.

8-14-13db. Hardon Yensen. Drilled irrigation water-table well in gravel and fine sand, diameter 24 inches, depth 40 feet. Land-surface datum is 2,062.07 feet above msl. Highest water level 6.39 below lsd, May 3, 1951; lowest 10.98 below lsd, Oct. 27, 1940. Records available: 1930-52. Jan. 14, 7.75; Mar. 20, 6.79; May 15, 7.45; Oct. 24, 8.98.

8-15-21dc. George Raffety. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 32 feet. Land-surface datum is 2,119.20 feet above msl. Highest water level 3.20 below lsd, Nov. 15, 1946; lowest 7.25 below lsd, Sept. 11, 1947. Records available: 1946-52. Jan. 14, 5.06; Mar. 20, 3.31; May 15, 4.79; Oct. 24, 6.54.

8-16-28aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 2,159.34 feet above msl. Highest water level 4.36 below lsd, Oct. 10, 1946; lowest 7.60 below lsd, Sept. 7, 1946. Records available: 1946-52. Jan. 14, 5.85; Mar. 14, 4.99; May 15, 4.99; Oct. 23, 6.32.

Keith County

13-35-6dd. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 2 inches, depth 15 feet. Land-surface datum is 3,063.88 feet above msl. Highest water level 5.90 below lsd, May 8, 1942; lowest 11.63 below lsd, Feb. 10, 1951. Records available: 1938-46, 1948-52. July 3, 10.85.

13-36-8cc. U. S. Geol. Survey. Drilled unused water-table well in Platte Valley alluvium, diameter 15 inches, depth 11 feet. Land-surface datum is 3,111.83 feet above msl. Highest water level 1.22 below lsd, Mar. 17, 1952; lowest 5.79 below lsd, Aug. 17-22, 1946. Records available: 1946-52.

13-36-8cc--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.05	2.84	2.34	1.64	2.00	2.38	3.59	4.25	4.43	4.58	3.52	....
2	3.12	2.82	2.35	1.67	2.08	2.41	3.63	4.26	4.39	4.55	3.49	3.30
3	3.14	2.80	....	1.72	2.17	2.41	3.67	4.26	4.38	4.47	3.51	3.30
4	3.17	2.80	2.38	....	2.25	2.43	3.72	4.26	4.41	4.46	3.52	3.30
5	3.20	2.79	2.44	....	2.30	....	3.75	4.25	....	4.41	3.50	3.29
6	3.20	2.79	2.44	....	2.33	....	3.79	....	....	4.34	3.49	3.23
7	3.20	2.79	2.41	....	2.16	....	3.82	4.11	....	4.22	3.41	3.23
8	3.18	2.81	2.36	2.08	2.08	....	....	4.15	4.56	4.14	3.43	3.20
9	3.18	2.83	2.26	2.10	2.10	....	3.86	4.17	4.59	4.14	3.42	3.21
10	3.18	2.86	1.91	2.06	2.12	....	3.89	4.17	4.62	3.97	3.42	3.21
11	3.12	2.86	1.40	2.14	2.21	....	3.93	4.16	4.62	3.79	3.41	3.22
12	3.12	2.87	1.39	2.16	2.30	....	3.93	4.15	4.63	3.68	3.39	3.22
13	3.09	2.83	1.41	2.17	2.36	....	3.85	4.20	4.63	3.66	3.38	3.20
14	3.05	2.81	1.39	2.23	2.33	....	3.73	4.24	4.60	3.63	3.36	3.20
15	2.97	2.77	1.43	2.29	2.43	....	3.63	4.29	4.61	....	3.31	3.22
16	2.90	2.75	1.34	2.26	2.20	3.02	3.52	4.31	....	....	3.32	3.22
17	2.88	2.73	1.22	2.08	1.70	3.08	3.59	4.33	....	....	3.33	....
18	2.88	2.72	....	2.12	1.85	3.15	3.68	4.34	....	....	3.33	....
19	2.88	2.69	....	2.17	1.95	3.20	3.79	4.43	....	....	3.32	....
20	2.88	2.67	....	2.22	2.07	3.23	3.82	4.40	....	....	3.31	....
21	2.85	2.62	....	2.22	2.07	3.26	3.87	4.42	....	3.58	3.29	....
22	2.87	2.56	....	....	1.89	3.29	3.92	4.42	4.60	3.58	3.29	....
23	2.92	2.55	....	....	1.98	3.32	3.97	4.42	4.61	3.58	3.27	....
24	2.96	2.58	....	1.71	2.09	3.35	4.02	4.44	4.64	3.57	3.25	....
25	3.00	2.58	....	1.81	2.21	3.39	4.08	4.47	4.65	3.58	....	....
26	3.06	2.54	....	1.90	2.31	3.42	4.11	4.52	4.65	3.57	....	3.25
27	3.07	2.53	1.27	1.98	2.17	3.45	4.13	....	4.65	3.55	....	3.29
28	3.07	2.47	1.34	2.07	2.27	3.49	4.13	4.53	4.66	3.54	....	3.30
29	3.00	2.37	1.42	2.12	2.34	3.52	4.05	4.52	4.65	3.51	....	3.31
30	2.93		1.48	2.12	2.35	3.56	4.16	4.45	4.59	3.55	....	3.32
31	2.88		1.59		2.37		4.22	4.43		3.56		3.32

13-36-9ad. U. S. Geol. Survey. Drilled observation water-table well in Platte Valley alluvium, diameter 15 inches, depth 11 feet. Land-surface datum is 3,093.6 feet above msl. Highest water level 0.04 above lsd, Mar. 17, 1952; lowest 3.74 below lsd, Aug. 17-22, 1946. Records available: 1946-52.

Daily lowest water level, above and below lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	-0.37	-0.34	-0.38	-0.85	-1.12	-2.55	-3.04	-2.93	-3.05	....	....
2	....	.24	.31	.40	.83	1.19	2.62	3.05	2.90	3.04	....	-2.27
3	....	.34	.35	.46	.98	1.22	2.65	3.06	2.95	3.03	....	2.24
4	....	.31	.35	....	1.08	1.30	2.68	3.08	....	3.00	-2.50	2.22
5	....	.36	.35	....	1.07	1.37	2.72	3.08	....	2.99	2.50	2.18
6	....	.36	.35	....	1.14	1.48	2.74	3.05	....	2.96	2.49	2.15
7	....	.29	.35	....	.71	1.55	2.75	3.02	....	2.92	2.48	2.11
8	....	.36	.35	....	.68	1.62	....	3.05	3.07	....	2.48	2.10
9	....	.35	.26	....	.70	1.65	2.80	3.09	3.11	....	2.47	2.10
10	....	.38	.15	....	.61	1.72	2.83	3.10	3.13	....	2.47	2.11
11	....	.38	.06	....	.95	1.79	2.86	3.10	3.13	....	2.46	2.11
12	....	.34	.06	....	.95	1.84	2.86	3.08	3.12	....	2.44	2.11
13	....	.35	.01	....	1.04	1.91	2.78	3.12	3.12	....	2.43	2.10
14	....	.33	.01	.94	.86	1.90	2.72	3.12	3.07	....	2.42	2.12
15	....	.32	.01	1.01	.90	....	2.62	3.14	3.05	....	2.42	2.12
16	....	.29	-.01	.97	.25	2.07	2.61	3.20	....	....	2.40	2.11
17	....	.27	+.04	.64	.22	2.14	2.68	3.20	....	....	2.57	....
18	....	.30	....	.73	.31	2.20	2.73	3.20	....	....	2.57	....
19	....	.37	....	.80	.34	2.24	2.78	3.22	....	....	2.55	....
20	....	.38	....	.87	.38	2.24	2.81	3.22	....	2.53	2.53	....
21	-0.47	.39	....	.87	.38	2.26	2.82	3.22	....	2.52	2.52	....
22	.98	.38	....	....	.35	2.30	2.85	3.20	3.01	2.51	2.51	....
23	1.20	.38	....	....	.42	2.31	2.87	3.18	3.01	2.50	2.50	....
24	1.20	.45	....	....	.60	2.20	2.87	3.13	3.02	2.49	2.48	....
25	1.15	.45	....	....	.79	2.34	2.87	3.10	3.04	2.49	....	....
26	1.03	.45	....	....	.98	2.37	2.87	3.17	3.05	2.49	....	2.10
27	.87	.45	-.06	....	.51	2.43	2.88	3.20	3.06	2.49	....	2.11
28	.71	.38	.08	....	.75	2.45	2.88	3.12	3.08	....	....	2.11
29	.56	.37	.12	....	.95	2.50	2.92	3.03	3.08	....	....	2.08
30	.44		.15	.88	.88	2.53	2.98	2.99	3.06	....	....	2.05
31	.35		.28		1.03		2.99	2.97		....		2.01

13-37-3ab. Owner unknown. Drilled unused water-table well in gravel of Pleistocene age, diameter 6 inches. Highest water level 10.55 below lsd, May 8, 1942; lowest 15.80 below lsd, Nov. 6, 1947. Records available: 1935-49. No measurement made in 1952.

13-38-3ba. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in coarse sand gravel of Pleistocene age, diameter 5 inches, depth 19 feet. Land-surface datum is 3,197.58 feet above msl. Measured by Central Nebraska Public Power and Irrigation District. Highest water level 9.27 below lsd, May 8, 1942; lowest 15.79 below lsd, Aug. 2, 1943. Records available: 1936-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	12.70	May 31	12.50	July 31	14.30	Oct. 31	14.20
Feb. 1	12.40	June 30	13.50	Sept. 2	14.60	Dec. 6	13.90
Apr. 1	12.40	July 3	13.57	Oct. 2	14.70		

13-38-6ca. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in fine and coarse sand and gravel, diameter 5 inches, depth 16 feet. Land-surface datum is 3,217.84 feet above msl. Measured by Central Nebraska Public Power and Irrigation District. Highest water level 9.94 below lsd, May 8, 1942; lowest 15.60 below lsd, Sept. 2, 1952. Records available: 1936-52.

Jan. 5	13.70	May 31	13.00	Sept. 2	15.60	Oct. 31	14.80
Feb. 1	13.50	June 30	14.40	Oct. 2	15.40	Dec. 6	14.30
Apr. 1	13.00	July 31	15.40				

13-39-19cd. George McGinley. Drilled unused water-table well in alluvial gravel or Ogallala formation, diameter 4 inches, depth 54 feet. Highest water level 39.96 below lsd, Oct. 27, 1935; lowest 43.85 below lsd, Oct. 19, 1950. Records available: 1935-41, 1944, 1947-51. No measurement made in 1952.

13-39-34dd. George Peters Estate. Drilled unused water-table well in Ogallala formation, diameter 3 inches, depth 199 feet. Highest water level 166.07 below lsd, Oct. 6, 1949; lowest 167.47 below lsd, Nov. 19, 1942. Records available: 1935-42, 1947, 1949-50. No measurement made in 1952.

13-40-22bb. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 2 inches, depth 12 feet. Land-surface datum is 3,292.14 feet above msl. Highest water level 2.64 below lsd, May 8, 1942; lowest 9.24 below lsd, Oct. 6, 1943. Records available: 1939-50. No measurement made in 1952.

16-38-7aa. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in fine sand of Pleistocene age, diameter 4 inches, depth 15 feet. Land-surface datum is 3,499.11 feet above msl. Highest water level 7.63 below lsd, May 4, 1942; lowest 10.60 below lsd, July 31, Aug. 31, Sept. 30, Oct. 31, Nov. 30, Dec. 30, 1950, Feb. 28, Mar. 31, Apr. 30, 1951, Jan. 3, Sept. 30, 1952. Records available: 1936-52.

Jan. 3	10.60	Apr. 30	10.20	July 31	10.40	Oct. 31	10.50
31	10.50	May 31	9.70	Aug. 30	10.50	Dec. 2	10.40
Mar. 10	10.38	June 30	9.90	Sept. 30	10.60	31	10.40
31	10.30						

Kimball County

14-59-11dd. A. Mortensen. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 84 feet. Highest water level 21.99 below lsd, May 23, 1951; lowest 22.28 below lsd, Jan. 12, 1951. Records available: 1950-52. Jan. 24, 22.16.

15-53-31bb. Robert Gunderson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 85 feet. Highest water level 46.25 below lsd, Jan. 24, 1952; lowest 47.92 below lsd, Mar. 29, 1951. Records available: 1951-52. Jan. 24, 46.25.

15-55-17cc. Kimball Irrigation District. Drilled unused water-table well in gravel, diameter 4 inches, depth 114 feet. Highest water level 92.18 below lsd, Jan. 2, 1936; lowest 96.07 below lsd, June 22, 1950. Records available: 1935-42, 1950-52. Jan. 24, 95.37.

15-55-26cc. Henry Meier. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 120 feet. Highest water level 40.47 below lsd, Jan. 2, 1936; lowest 43.74 below lsd, May 23, 1951. Records available: 1936-37, 1951-52. Jan. 24, 42.07.

15-55-29db. Gale Russell. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 85 feet. Highest water level 46.20 below lsd, Jan. 24, 1952; lowest 46.76 below lsd, June 28, 1950. Records available: 1950, 1952. Jan. 24, 46.20.

15-56-32ac. Vernon Linn. Drilled irrigation water-table well in sand and gravel, diameter 18 inches, depth 180 feet. Highest water level 20.44 below lsd, Nov. 20, 1951; lowest 22.31 below lsd, Aug. 8, 1951. Records available: 1951-52. Jan. 24, 21.10.

Lancaster County

A8-7-33ab. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter $1\frac{1}{4}$ inches, depth 33 feet. Highest water level 1.77 below lsd, Apr. 16, 1952; lowest 5.62 below lsd, Oct. 29, 1952. Records available: 1951-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	3.63	Apr. 2	1.98	June 11	3.91	Sept. 17	4.93
30	4.42	16	1.77	25	3.54	Oct. 8	5.46
Feb. 6	4.44	23	2.10	July 31	4.19	29	5.62
20	3.54	May 14	2.93	Aug. 20	4.47	Dec. 10	5.40
Mar. 12	2.04	28	2.80				

A10-6-1cc. J. F. Keech Estate. Drilled unused water-table well in glacial fill, diameter 8 inches, depth 70 feet. Highest water level 6.38 below lsd, July 3, 1951; lowest 22.91 below lsd, Feb. 17, 1951. Records available: 1949-52.

Feb. 5	16.35	Apr. 30	9.55	June 28	9.62	Sept. 13	14.95
Mar. 15	14.82	May 30	7.90	Aug. 3	12.02	Dec. 13	19.11

A10-6-34ca. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 8 inches, depth 36 feet. Highest water level 10.00 below lsd, July 15, 1952; lowest 16.03 below lsd, Mar. 7, 1952. Records available: 1951-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.92	15.80	15.95	13.46	11.88	13.08	.....	12.57	14.02	14.88	15.30	.....
2	15.91	15.77	15.95	13.47	12.01	13.11	10.89	12.65	14.05	.....	15.39	.....
3	15.90	15.76	15.99	13.52	12.07	13.18	11.19	12.71	14.07	.....	15.40	15.46
4	15.84	15.76	16.00	13.64	12.12	13.15	11.48	12.79	14.10	.....	15.30	.....
5	15.86	15.82	16.01	13.72	12.30	13.26	11.60	12.89	14.18	.....	15.33	.....
6	15.90	15.84	16.02	13.73	12.35	13.31	11.80	12.96	14.24	.....	15.38	.....
7	15.85	15.82	16.03	13.63	12.40	13.37	12.02	13.01	14.25	.....	15.37	.....
8	15.87	15.87	15.97	13.90	12.44	13.41	12.09	13.10	14.30	14.98	15.38	.....
9	15.95	15.85	15.90	.....	12.56	13.44	12.18	13.14	14.36	15.02	15.40	.....
10	15.98	15.87	15.82	13.43	12.61	13.47	12.36	13.17	14.33	15.03	15.39	15.57
11	15.88	15.88	15.73	13.04	12.63	13.51	12.55	13.31	14.35	15.04	15.36	15.51
12	15.90	15.84	15.51	12.90	12.67	13.57	12.69	13.33	14.37	15.03	15.36	15.52
13	15.87	15.83	15.33	12.70	12.68	13.62	12.60	13.37	14.41	15.09	15.40	15.52
14	15.82	15.88	15.30	12.71	12.69	13.71	11.00	13.37	14.51	15.13	15.41	15.52
15	15.75	15.86	15.26	12.72	12.91	13.70	10.00	13.48	14.50	15.11	15.41	15.52
16	15.62	15.79	15.19	12.76	12.99	13.84	10.15	13.54	14.45	15.13	15.42	15.51
17	15.60	15.77	15.03	12.77	12.75	13.84	10.41	13.60	14.51	15.19	15.41	15.55
18	15.60	15.75	14.82	12.63	12.70	13.89	10.69	13.62	14.60	15.18	15.46	15.57
19	15.61	15.82	14.53	12.52	12.66	13.92	10.82	13.64	14.63	15.21	15.47	15.56
20	15.64	15.88	14.48	12.54	12.69	13.91	11.01	13.72	14.67	15.23	15.46	15.59
21	15.57	15.89	14.45	12.51	12.70	13.80	11.18	13.81	14.68	15.20	15.50	15.59
22	15.66	15.87	14.47	11.98	12.82	13.39	11.46	13.82	14.69	15.17	15.51	15.56
23	15.73	15.89	14.47	11.63	12.65	13.47	11.57	13.82	14.69	15.21	15.52	15.63
24	15.74	15.93	14.55	11.59	12.69	13.55	11.65	13.85	14.72	15.18	15.50	15.66
25	15.63	15.93	14.56	11.54	12.73	13.78	11.87	13.86	14.75	15.20	15.43	15.66
26	15.76	15.86	14.53	11.52	12.79	13.82	11.95	13.85	14.77	15.23	15.52	15.67
27	15.79	15.85	14.23	11.60	12.90	12.05	12.08	13.93	14.75	15.31	.....	15.68
28	15.80	15.88	13.73	11.71	12.93	.....	12.22	14.00	.....	15.31	.....	15.64
29	15.80	15.95	13.40	11.82	12.90	.....	12.35	13.98	.....	15.27	.....	15.63
30	15.73		13.00	11.82	12.97	.....	.....	13.86	.....	15.20	.....	15.66
31	15.75		13.26		13.07		12.51	13.94		15.28		15.68

A11-6-20dc. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 34 feet. Highest water level 12.40 below lsd, Apr. 24, 1952; lowest 15.90 below lsd, Nov. 21-25, 1952. Records available: 1951-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.37	15.08	15.42	13.62	13.45	.....	13.80	14.95	15.25	15.74	15.86	.....
2	15.37	15.07	15.43	13.67	13.54	.....	13.93	14.97	15.28	15.75	15.87	.....
3	15.37	15.04	15.46	13.80	13.62	14.11	14.05	14.99	15.45	15.76	15.87	15.75
4	15.37	15.04	15.47	13.94	13.69	14.18	14.13	15.00	15.47	15.77	15.87	15.75
5	15.34	15.05	15.48	14.02	13.80	14.25	14.21	15.03	15.49	15.78	15.87	15.74

A11-6-20dc--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	15.34	15.06	15.49	14.07	13.85	14.30	14.29	15.05	15.51	15.79	15.88	15.73
7	15.33	15.06	15.49	14.08	13.98	14.34	14.37	15.07	15.53	15.79	15.88	15.72
8	15.31	15.12	15.48	14.18	14.02	14.40	14.42	15.08	15.54	15.80	15.87	15.71
9	15.32	15.13	15.46	14.18	14.10	14.44	14.46	15.10	15.55	15.80	15.88	15.73
10	15.38	15.17	15.46	14.06	14.15	14.48	14.52	15.12	.....	15.80	15.88	15.74
11	15.34	15.19	15.46	13.88	14.21	14.51	14.58	15.14	.....	15.80	15.88	15.76
12	15.34	15.19	15.40	13.70	14.26	14.55	14.63	15.16	.....	15.80	15.88	15.79
13	15.33	15.20	15.22	13.45	14.27	14.59	14.58	15.18	.....	15.81	15.88	15.80
14	15.32	15.23	14.99	13.22	14.27	14.63	14.34	15.17	.....	15.82	15.88	15.80
15	15.30	15.23	14.88	13.30	14.33	14.66	13.96	15.00	.....	15.82	15.88	15.79
16	15.21	15.24	14.82	13.37	14.33	14.71	14.00	15.05	.....	15.82	15.89	15.80
17	15.08	15.24	14.75	13.39	13.85	14.74	14.14	15.12	15.58	15.83	15.88	15.83
18	15.05	15.26	14.68	13.30	13.70	14.78	14.24	15.16	15.60	15.83	15.87	15.84
19	15.01	15.27	14.56	13.24	13.72	14.80	14.30	15.18	15.62	15.84	15.87	15.83
20	15.01	15.28	14.44	13.34	13.73	14.81	14.34	15.23	15.64	15.84	15.88	15.83
21	14.98	15.31	14.42	13.34	13.64	14.83	14.40	15.25	15.66	15.84	15.90	15.83
22	14.94	15.31	14.41	12.90	13.60	14.89	14.49	15.27	15.68	15.84	15.90	15.81
23	14.94	15.32	14.41	12.61	13.41	14.88	14.55	15.29	15.69	15.84	15.90	15.80
24	14.93	15.34	14.45	12.40	13.42	14.76	14.58	15.31	15.70	15.84	15.90	15.81
25	14.92	15.35	14.48	12.53	13.52	14.53	14.66	15.32	15.70	15.84	15.90	15.80
26	14.99	15.36	.....	12.65	13.63	14.62	14.72	15.20	15.71	15.84	15.82	15.79
27	15.02	15.38	14.46	12.82	13.69	14.56	14.78	15.11	15.71	15.85	.....	15.79
28	15.04	15.39	14.34	12.83	13.71	13.55	14.83	15.17	15.72	15.85	.....	15.78
29	15.04	15.41	14.18	13.18	.....	13.55	14.87	15.22	15.73	15.85	.....	15.77
30	15.04		14.00	13.35	.....	13.66	14.91	15.24	15.74	15.85	.....	15.75
31	15.06		13.73		.....		14.93	15.20		15.86		15.75

Lincoln County

9-29-4cb. Gustave Roethemeyer. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 286 feet. Highest water level 270.91 below lsd, Nov. 23, 1942; lowest 271.98 below lsd, Nov. 23, 1934. Records available: 1934-42, 1944. No measurement made in 1952.

10-32-17cc. J. M. Fristo. Drilled unused water-table well in Ogallala formation, diameter 4 inches, depth 210 feet. Highest water level 147.01 below lsd, Jan. 4, 1936; lowest 148.57 below lsd, Jan. 22, 1941. Records available: 1934-42, 1944. No measurement made in 1952.

12-26-35db. R. D. McWha. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 42 feet. Land-surface datum is 2,609.43 feet above msl. Highest water level 7.32 below lsd, July 13, 1947; lowest 11.74 below lsd, Aug. 8, 1951. Records available: 1946-52. Jan. 15, 9.77; Mar. 10, 9.23; May 21, 9.25; Oct. 15, 11.14.

12-27-14aa. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel, diameter 1 inch, depth 18 feet. Land-surface datum is 2,646.40 feet above msl. Measured by Central Nebraska Public Power and Irrigation District. Highest water level 2.98 below lsd, July 2, 1935; lowest 7.07 below lsd, Aug. 30, 1941. Records available: 1934-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	g5.07	June 25	5.42	Sept. 4	6.06	Oct. 25	6.03
Mar. 10	g4.44	July 9	5.51	22	6.21	Nov. 10	6.03
18	4.25	23	5.54	Oct. 9	6.14	29	5.70
May 21	g4.81	Aug. 4	5.67	15	g6.12	Dec. 15	5.72
June 11	5.09	18	5.83				

g By Geological Survey.

12-27-28dd. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter 1¼ inches, depth 28 feet. Land-surface datum is 2,663.15 feet above msl. Highest water level 11.79 below lsd, July 7, 1949; lowest 13.29 below lsd, Nov. 2, 1950. Records available: 1947-52. Jan. 16, 12.41; Mar. 10, 12.41; May 22, 12.23; Oct. 22, 12.63.

12-28-9bc. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in alluvium, sand, and gravel, diameter 2 inches, depth 14 feet. Land-surface datum is 2,702.68 feet above msl. Measured by Central Nebraska Public Power and Irrigation District. Highest water level 3.58 below lsd, Mar. 3, 1949; lowest 10.48 below lsd, Nov. 1, 1939. Records available: 1938-52.

12-28-9bc--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	g4.75	June 25	5.55	Sept. 4	5.58	Oct. 24	5.14
Mar. 10	g4.51	July 8	6.35	22	5.62	Nov. 10	5.00
18	4.45	23	5.85	Oct. 9	5.33	29	4.89
May 22	g4.65	Aug. 4	6.15	22	g5.22	Dec. 15	4.84
June 11	5.29	18	5.69				

g By Geological Survey.

13-28-21da. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in alluvial sand and gravel, diameter 2 inches, depth 11 feet. Land-surface datum is 2,711.36 feet above msl. Measured by Central Nebraska Public Power and Irrigation District. Highest water level 0.14 above lsd, Apr. 5, 1949; lowest 6.48 below lsd, Aug. 29, 1940. Records available: 1938-52. June 25, 4.26; Sept. 22, 5.63; Dec. 15, 4.61.

13-30-21bb. U. S. Geol. Survey. Driven observation water-table well in sand and gravel, diameter $1\frac{1}{4}$ inches, depth 22 feet. Land-surface datum is 2,819.03 feet above msl. Measured by Central Nebraska Public Power and Irrigation District. Highest water level 9.57 below lsd, May 3, 1949; lowest 19.92 below lsd, Sept. 17, 1936. Records available: 1934-52. Jan. 16, 10.59, by Geological Survey; Mar. 12, 10.53, by Geological Survey; Mar. 18, 10.47; May 21, 10.55, by Geological Survey; June 25, 10.94; Oct. 22, 11.97, by Geological Survey; Dec. 15, 11.59.

14-30-9ca. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 26 feet. Land-surface datum is 2,832.35 feet above msl. Highest water level 2.24 below lsd, Mar. 11, 1952; lowest 6.05 below lsd, Sept. 12, 1946. Records available: 1946-52. Jan. 16, 3.05; Mar. 11, 2.24; May 21, 2.40; Oct. 15, 5.11.

14-30-33cd. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 2,801.66 feet above msl. Highest water level 5.90 below lsd, June 23, 1947; lowest 8.61 below lsd, Oct. 22, 1952. Records available: 1946-52. Jan. 16, 7.29; Mar. 11, 7.39; May 21, 6.91; Oct. 22, 8.61.

14-33-27da. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 15 inches, depth 102 feet. Highest water level 1.58 below lsd, June 27, 1949; lowest 6.70 below lsd, Feb. 20-22, 1952. Records available: 1943-52.

Daily lowest water level, above and below lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-5.36	....	-5.70	-5.26	....	+0.76	....	-5.22	....	-5.85	....	....
2	5.38	....	5.70	5.26	-5.17	-4.71	....	5.23	....	5.85	....	....
3	5.40	....	5.70	....	5.17	4.67	....	5.23	....	5.84	....	-5.66
4	5.42	....	5.71	....	5.18	4.62	....	5.23	....	5.85	-5.42	5.67
5	5.43	-6.62	5.71	....	5.20	4.58	....	....	....	5.85	5.42	5.67
6	5.45	6.63	5.71	....	5.21	....	....	....	....	5.85	5.42	5.68
7	5.46	6.63	5.71	....	5.22	....	-4.75	....	....	5.84	5.43	5.68
8	....	6.64	5.71	5.20	5.23	....	4.76	....	-5.30	....	5.43	5.69
9	....	6.64	5.72	5.20	5.24	....	4.78	....	5.31	5.44	5.44	5.70
10	....	6.65	5.71	5.18	....	....	4.80	....	5.32	5.44	5.45	5.71
11	....	6.65	5.69	5.16	....	....	4.81	....	5.33	5.44	5.46	....
12	....	6.66	5.65	5.13	5.25	....	4.82	....	5.34	5.43	5.49	....
13	....	....	....	5.12	5.25	....	4.83	....	5.35	5.43	5.49	....
14	....	....	....	5.10	5.25	....	4.83	....	5.35	5.43	5.50	....
15	....	6.68	....	5.08	5.25	....	....	....	5.36	5.43	5.53	....
16	....	6.68	....	5.04	5.26	....	....	....	....	5.43	5.52	....
17	....	6.69	5.62	5.03	5.26	4.62	....	....	....	5.42	5.53	....
18	....	6.69	5.62	5.02	5.25	4.64	....	4.18	....	5.42	5.55	....
19	....	6.69	5.59	5.02	5.21	4.66	....	5.16	....	5.42	5.58	....
20	....	6.70	5.55	5.04	....	4.68	....	5.16	....	5.42	5.59	....
21	5.46	6.70	5.51	5.06	....	4.70	....	5.16	....	5.42	5.60	....
22	5.48	6.70	5.51	5.06	....	4.71	5.11	5.16	....	5.42	5.61	....
23	5.49	....	....	5.06	....	4.73	5.12	5.16	....	5.42	5.61	5.80
24	5.51	....	....	....	....	4.75	5.15	5.16	....	5.42	5.62	5.81
25	5.52	....	....	....	....	....	5.16	5.16	....	....	5.63	5.81
26	5.54	5.70	5.35	....	....	....	5.17	....	....	....	....	5.82
27	5.55	5.70	5.35	....	....	....	5.19	....	....	....	....	5.83
28	5.56	5.70	5.31	....	....	....	5.19	....	....	....	....	5.83
29	....	5.70	5.28	....	4.82	....	5.20	....	....	....	....	5.83
30	....		5.28	....	4.81	....	5.21	....	5.85	....	....	5.84
31	....		5.26		-4.79		5.21	....		....		....

15-31-13dd. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 2 inches, depth 60 feet. Highest water level 7.11 below lsd, May 21, 1952; lowest 9.55 below lsd, Oct. 27, 1941. Records available: 1934-42, 1951-52. Jan. 16, 7.43; Mar. 11, 7.23; May 21, 7.11.

16-31-4ab. U. S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diameter 2 inches, depth 120 feet. Highest water level 65.48 below lsd, Oct. 2, 1951; lowest 71.11 below lsd, May 21, 1952. Records available: 1935-42, 1951-52. Jan. 16, 69.84; Mar. 11, 70.20; May 21, 71.11; Oct. 15, 69.86.

Loup County

21-17-32dc. Louie Bohy. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches. Highest water level 23.23 below lsd, Oct. 5, 1950; lowest 24.67 below lsd, Apr. 15, 1952. Records available: 1950-52. Feb. 15, 24.41; Apr. 15, 24.67; July 22, 23.55.

21-18-22aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 15 feet. Highest water level 3.54 below lsd, Feb. 15, 1952; lowest 5.31 below lsd, July 16, 1940. Records available: 1935-42, 1948, 1950-52. Feb. 15, 3.54; Apr. 15, 3.81; July 22, 5.04.

21-19-4bc. Bill Strong. Driven unused water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 22 feet. Highest water level 11.12 below lsd, July 10, 1951, Feb. 15, 1952; lowest 11.91 below lsd, Jan. 17, 1951. Records available: 1951-52. Feb. 15, 11.12; Apr. 15, 11.19; July 22, 12.05.

Madison County

22-1-33cb. Alvin Christian. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 60 feet. Highest water level 1.33 above lsd, May 29, 1951; lowest 3.25 below lsd, Aug. 18, 1936. Records available: 1935-51. No measurement made in 1952.

23-2-5aa. John Bredehoft. Drilled unused water-table well in alluvial sand, diameter $1\frac{1}{2}$ inches, depth 31 feet. Highest water level 2.93 below lsd, June 4, 1935; lowest 4.86 below lsd, July 16, 1936. Records available: 1934-37, 1940-42, 1944-52. Jan. 29, 3.76.

McPherson County

18-31-16dd. U. S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diameter 2 inches, depth 120 feet. Highest water level 105.74 below lsd, Oct. 17, 1937; lowest 109.92 below lsd, Jan. 10, 1951. Records available: 1935-42, 1951-52. Jan. 16, 108.98.

Merrick County

12-7-7aa. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 1,762.16 feet above msl. Highest water level 4.34 below lsd, July 10, 1947; lowest 7.32 below lsd, Sept. 4, 1946. Records available: 1945-52. Jan. 22, 6.04; Jan. 25, 6.14; Mar. 27, 5.20.

12-8-7dc. Owner unknown. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 22 inches, depth 47 feet. Highest water level 8.51 below lsd, May 27, 1952; lowest 13.79 below lsd, Sept. 4, 1946. Records available: 1946-52. Jan. 25, 9.25; Mar. 27, 9.29; May 27, 8.51; Oct. 30, 10.45.

12-8-28dc. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Highest water level 0.91 above lsd, July 24, 1951; lowest 3.42 below lsd, Jan. 5, 1949. Records available: 1945-52. Jan. 25, -1.70; Mar. 27, -0.54; May 27, +0.58.

13-6-2bc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 1,687.85 feet above msl. Highest water level 2.86 below lsd, May 27, 1952; lowest 6.95 below lsd, Oct. 28, 1952. Records available: 1945-52. Jan. 24, 5.13; May 27, 2.86; Oct. 28, 6.95.

13-6-19cb. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Highest water level 1.75 below lsd, May 27, 1952; lowest 5.75 below lsd, Jan. 5, Nov. 2, 1948. Records available: 1945-52. Jan. 25, 4.35; Mar. 27, 2.84; May 27, 1.75; Oct. 30, 5.69.

14-5-9cc2. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 30 feet. Land-surface datum is 1,649.70 feet above msl. Highest water level 4.14 below lsd, May 27, 1952; lowest 7.14 below lsd, Nov. 11, 1947. Records available: 1947-52. Jan. 24, 5.93; May 27, 4.14; Oct. 28, 7.13.

14-6-15bb. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 1,679.85 feet above msl. Highest water level 1.82 below lsd, Mar. 8, 1949; lowest 5.70 below lsd, Oct. 28, 1952. Records available: 1946-52. May 28, 2.06; Oct. 28, 5.70.

14-7-21cb. Henry Tsudy. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 8 inches, depth 32 feet. Land-surface datum is 1,737.77 feet above msl. Highest water level 4.16 below lsd, Apr. 13, 1949; lowest 9.74 below lsd, Aug. 6, 1934. Records available: 1934-42, 1945-52. Jan. 25, 6.32; May 28, 4.50; Oct. 30, 7.95.

15-4-15dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 15 feet. Land-surface datum is 1,585.98 feet above msl. Highest water level 5.50 below lsd, July 8, 1947; lowest 9.03 below lsd, Oct. 30, 1952. Records available: 1945-52. Jan. 24, 8.12; May 27, 5.96; Oct. 30, 9.03.

15-4-31cc. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 12 feet. Land-surface datum is 1,615.79 feet above msl. Highest water level 2.07 below lsd, May 27, 1952; lowest 5.22 below lsd, Nov. 11, 1947. Records available: 1945-52. May 27, 2.07; Oct. 28, 5.19.

15-5-8dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 19 feet. Land-surface datum is 1,650.32 feet above msl. Highest water level 11.15 below lsd, July 8, 1947; lowest 14.63 below lsd, Nov. 2, 1948. Records available: 1946-52. Jan. 24, 13.09; May 27, 12.85; Oct. 28, 13.31.

15-8-33bc. Dinsdale Bros. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 56 feet. Highest water level 10.38 below lsd, Feb. 6, 1950; lowest 16.54 below lsd, Aug. 8, 1949. Records available: 1948-52. Jan. 25, 10.80; May 28, 10.44.

16-3-7dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Highest water level 0.79 below lsd, Apr. 15, 1949; lowest 5.29 below lsd, Jan. 31, 1951. Records available: 1947-52. Jan. 24, 3.72; May 29, 1.12.

16-3-27cc. Paul Pearson. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 22 inches, depth 28 feet. Land-surface datum is 1,543.99 feet above msl. Highest water level 4.05 below lsd, Mar. 7, 1949; lowest 9.84 below lsd, Nov. 1, 1934. Records available: 1934-42, 1944-52. May 27, 5.35; Oct. 30, 7.67.

Morrill County

18-52-11dd. J. Barden. Drilled irrigation water-table well in coarse gravel of Pleistocene age, diameter 18 inches. Highest water level 22.76 below lsd, Mar. 31, 1952; lowest 24.72 below lsd, May 18, 1951. Records available: 1949-52. Mar. 31, 22.76; Sept. 19, 23.14.

19-49-23cc. W. E. Guthrie Estate. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 24 inches, depth 60 feet. Highest water level 9.33 below lsd, Aug. 20, 1950; lowest 11.95 below lsd, May 9, 1950. Records available: 1936-42, 1944, 1948-52. Jan. 28, 11.63; Mar. 31, 11.85; May 19, 11.86; July 2, 11.08; Sept. 18, 10.88; Nov. 19, 9.93.

19-50-30cd. P. Reuter. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 24 inches, depth 81 feet. Highest water level 23.06 below lsd, Jan. 27, 1950; lowest 24.18 below lsd, July 12, 1949. Records available: 1949-52. Mar. 31, 23.88; Sept. 19, 24.15.

20-49-30ac. Arnold Stewart. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 56 feet. Highest water level 15.22 below lsd, Nov. 21, 1949; lowest 21.22 below lsd, June 11, 1946. Records available: 1946-52. July 2, 19.04.

20-50-28bb. Fred Smith. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 35 feet. Highest water level 11.87 below lsd, Sept. 7, 1951; lowest 15.57 below lsd, Aug. 16, 1950. Records available: 1934-42, 1944-52. Jan. 28, 13.52; Mar. 31, 13.72; May 19, 13.56; July 2, 13.34; Sept. 18, 14.58; Nov. 19, 13.27.

20-50-32aa. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 7 feet. Land-surface datum is 3,666.02 feet above msl. Measurements made by State of Nebraska, Dept. of Roads and Irrigation. Highest water level 2.00 below lsd, May 14, 1942; lowest 5.80 below lsd, June 10, 1948. Records available: 1930-52.

20-50-32aa--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	4.57	Apr. 2	4.57	June 16	5.40	Sept. 15	4.41
14	4.67	10	4.67	21	5.16	20	4.58
15	4.68	15	4.88	23	5.12	25	4.55
20	4.74	16	4.83	30	4.95	Oct. 2	4.78
23	4.74	18	4.79	July 1	4.72	9	4.77
25	4.78	23	4.88	5	5.08	15	4.46
29	4.77	25	4.81	10	5.35	17	4.53
Feb. 5	4.81	30	4.99	15	4.95	21	4.57
11	4.85	May 2	5.04	21	5.35	27	4.68
18	4.83	7	5.00	25	5.39	30	4.60
21	4.85	8	5.00	31	5.58	Nov. 4	4.67
25	4.88	10	4.95	Aug. 5	5.27	12	4.76
29	4.85	16	4.94	11	4.95	18	4.59
Mar. 4	4.87	21	4.68	15	4.77	24	4.57
10	4.87	22	4.64	20	5.23	Dec. 1	4.72
13	4.84	26	4.67	25	5.00	8	4.65
18	4.71	27	4.73	31	4.96	12	4.67
24	4.63	June 3	4.98	Sept. 5	5.00	15	4.64
26	4.66	5	5.16	10	5.10	26	4.67
31	4.57	11	5.26				

22-50-14bc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Highest water level 0.06 above lsd, May 9, 1949; lowest 2.33 below lsd, Aug. 13, 1946. Records available: 1946-52. July 1, 0.84.

22-50-28bc. Mrs. Jessie Jensen. Drilled unused water-table well in sandstone of Arikaree formation of Tertiary age, diameter 6 inches, depth 91 feet. Highest water level 79.23 below lsd, July 1, 1952; lowest 83.03 below lsd, Feb. 19, 1951. Records available: 1934-42, 1944, 1946-52. July 1, 79.23.

Nance County

15-7-6bb. Owner unknown. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 81 feet. Highest water level 63.88 below lsd, Mar. 28, 1950; lowest 66.00 below lsd, Sept. 30, 1948. Records available: 1948-52. Aug. 12, 65.16.

16-4-31bc. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Highest water level 3.08 below lsd, Apr. 22, 1949; lowest 6.76 below lsd, Jan. 13, 1948. Records available: 1948-51. No measurement made in 1952.

16-6-14ac. C. A. Aldrich. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 10 inches, depth 51 feet. Land-surface datum is 1,642.19 feet above msl. Highest water level 25.24 below lsd, July 1, 1949; lowest 30.84 below lsd, Oct. 26, 1940. Records available: 1936-37, 1939-42, 1947-52. Nov. 20, 28.18.

17-4-24db. Greek Estate. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 20 feet. Land-surface datum is 1,546 feet above msl. Highest water level 2.18 below lsd, Mar. 21, 1936; lowest 7.51 below lsd, Nov. 20, 1952. Records available: 1934-42, 1948-52. Aug. 11, 6.14; Nov. 20, 7.51.

17-4-25dc. Loup River Public Power District. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 18 feet. Highest water level 9.28 below lsd, Apr. 26, 1949; lowest 12.08 below lsd, Sept. 28, 1948. Records available: 1948-52. Aug. 11, 11.47; Nov. 20, 11.70.

17-5-35dd. Loup River Public Power District. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 16 feet. Highest water level 3.52 below lsd, July 25, 1950; lowest 6.72 below lsd, Sept. 28, 1948. Records available: 1948-52. Aug. 11, 3.77; Nov. 20, 6.07.

17-6-34ad. Wm. Christiansen. Drilled domestic water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 77 feet. Highest water level 40.30 below lsd, May 24, 1950; lowest 45.15 below lsd, Oct. 31, 1942. Records available: 1935-42, 1948-51. No measurement made in 1952.

17-7-1ad. Anderson. Drilled domestic water-table well in sand of Pleistocene age, diameter 4 inches, depth 58 feet. Highest water level 36.54 below lsd, Nov. 5, 1951; lowest 41.56 below lsd, Nov. 1, 1949. Records available: 1949-52. Aug. 12, 37.81.

18-4-19ab. Homer Peterson. Drilled stock water-table well in sand of Pleistocene age, diameter 4 inches, depth 42 feet. Highest water level 6.05 below lsd, July 25, 1950; lowest 12.21 below lsd, Sept. 28, 1948. Records available: 1948-52. Aug. 13, 11.72.

Nuckolls County

1-5-31cb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 23 feet. Highest water level 15.27 below lsd, May 1, 1952; lowest 20.43 below lsd, Nov. 2, 1948. Records available: 1947-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	16.69	May 29	15.48	July 24	16.69	Sept. 18	17.86
Apr. 3	15.78	June 26	16.47	Aug. 20	17.29	Oct. 21	18.12
May 1	15.27						

1-6-30dd. Marion Day. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 48 feet. Highest water level 31.59 below lsd, Jan. 31, 1952; lowest 33.60 below lsd, Mar. 1, 1947. Records available: 1946-52.

Daily lowest water level from recorder graph

Jan. 1	31.64	Jan. 6	31.64	Jan. 11	31.62	Jan. 16	31.61
2	31.64	7	31.63	12	31.62	17	31.61
3	31.65	8	31.63	13	31.61	18	31.61
4	31.65	9	31.62	14	31.61	24	31.64
5	31.64	10	31.62	15	31.61	31	31.59

1-7-32bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Highest water level 0.09 below lsd, June 26, 1951; lowest 4.95 below lsd, Sept. 24, 1948. Records available: 1947-52.

Jan. 15	1.36	May 28	0.94	July 22	3.02	Sept. 16	4.33
Apr. 2	.40	June 9	1.99	Aug. 5	3.33	Oct. 1	4.53
29	.44	25	3.15	18	3.90	21	4.25
May 13	.96	July 7	2.34	Sept. 3	4.[illegible]	Nov. 19	3.70

1-8-7dd. U. S. Geol. Survey. Drilled observation water-table well in loess of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 0.22 below lsd, Mar. 13, 1952; lowest 6.35 below lsd, Sept. 24, 1948. Records available: 1946-52.

Jan. 17	2.26	Feb. 28	0.81	May 27	1.21	Aug. 19	5.80
24	2.26	Mar. 6	.93	June 11	3.73	Sept. 5	5.95
31	2.37	13	.22	24	4.60	17	6.16
Feb. 7	1.44	Apr. 1	.50	July 8	4.32	Oct. 3	6.29
14	.65	30	.81	23	4.87	22	6.01
21	.81	May 12	2.85	Aug. 6	5.37	Nov. 20	5.70

1-8-23ab. U. S. Geol. Survey. Drilled observation water-table well in silt, loess, and clay of Pleistocene age, diameter 8 inches, depth 18 feet. Land-surface datum is 1,598.45 feet above msl. Highest water level 0.02 below lsd, July 29, 1951; lowest 7.91 below lsd, July 8-9, 1950. Records available: 1949-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.22	4.64	4.51	2.43	1.86	2.95	4.82	....	....	....	....	....
2	4.28	4.60	....	2.45	1.79	2.97	....	....	....	....	....	....
3	4.29	4.59	....	2.51	1.90	3.10	....	....	....	7.03	....	....
4	4.30	4.59	....	2.56	2.01	....	....	....	....	7.06	....	....
5	4.33	4.60	....	2.61	2.17	....	....	....	6.19	7.07	....	....
6	4.34	4.59	....	2.65	2.21	....	....	....	6.25	7.08	....	....
7	4.32	4.56	....	2.62	2.21	....	....	....	6.31	7.08	....	....
8	4.38	4.59	4.57	2.70	2.22	....	4.10	5.38	6.38	7.08	....	....
9	4.41	4.55	....	....	2.36	....	4.17	5.05	6.43	....	....	....
10	4.50	4.54	....	....	2.40	....	4.28	4.88	6.48	....	....	....
11	4.50	4.54	....	1.54	2.44	3.63	4.40	4.70	6.56	....	....	....
12	4.50	4.50	....	.98	2.51	3.72	4.50	4.65	....	....	....	....
13	4.48	4.44	3.15	1.23	2.52	3.82	4.58	4.86	....	....	....	....
14	4.46	4.41	3.24	1.27	2.61	3.91	4.60	4.94	....	....	....	....
15	4.45	4.38	3.27	1.27	2.70	4.00	....	....	....	....	....	....
16	4.42	4.34	3.27	1.27	2.78	4.10	....	....	6.73	....	....	....
17	4.45	4.32	3.24	1.27	2.76	4.15	....	....	6.77	....	....	....
18	4.41	4.30	3.21	1.27	2.78	4.22	....	....	6.78	....	....	....
19	4.39	4.33	2.75	....	2.80	....	....	5.80	6.80	....	....	....
20	4.40	4.37	2.85	....	2.83	....	....	5.88	6.81	....	7.05	....

1-8-23ab--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	4.35	4.39	2.90	....	2.22	....	....	5.94	6.82	....	7.05	....
22	4.42	....	2.95	....	1.78	....	....	5.96	6.82	7.00	7.06	....
23	4.47	....	2.95	....	....	....	4.99	5.85	....	7.00	7.06	....
24	4.48	....	2.92	....	....	4.65	5.05	4.86	....	6.99	7.00	....
25	....	....	2.91	1.25	....	4.75	5.13	4.90	....	6.99	7.03	....
26	....	....	2.49	1.35	....	4.80	5.21	....	....	7.00	7.03	....
27	....	....	2.23	1.45	2.52	2.79	5.26	....	....	7.02	....	....
28	....	4.50	2.13	1.55	2.60	4.45	5.35	....	....	7.02	....	....
29	....	4.52	....	1.65	2.70	4.82	5.38	....	....	....	....	....
30	....		....	1.75	2.83	4.82	5.38	....	....	....	....	....
31	4.62		....		2.90		....	....		....		....

Phelps County

5-18-2cc. C. M. Brown. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 185 feet. Land-surface datum is 2,326.84 feet above msl. Highest water level 156.12 below lsd, May 24, 1951; lowest 159.81 below lsd, Sept. 8, 1948. Records available: 1947-51. No measurement made in 1952.

5-19-22da. Warp. Drilled unused water-table well in sand of Pleistocene age, diameter 12 inches, depth 246 feet. Land-surface datum is 2,378.81 feet above msl. Highest water level 202.00 below lsd, Dec. 26, 1952; lowest 204.64 below lsd, Sept. 13, 1949. Records available: 1947-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	203.05	202.64	202.48	.....	.....	.....	202.49	202.35	202.66	202.64	202.37	202.16
2	202.97	202.25	202.47	.....	.....	.....	202.66	202.30	202.65	202.70	202.81	202.41
3	202.92	202.55	202.72	.....	.....	.....	202.77	202.38	202.55	202.42	202.83	202.16
4	202.45	202.39	202.78	.....	.....	.....	202.64	202.43	202.44	202.48	202.40	202.18
5	202.69	202.75	202.73	.....	.....	.....	202.47	202.47	202.54	202.55	202.40	202.33
6	202.69	202.75	202.75	.....	.....	.....	202.37	202.53	202.61	202.65	202.59	202.62
7	202.18	202.58	202.69	.....	.....	.....	202.69	202.39	202.52	202.55	202.45	202.63
8	202.67	202.67	202.47	.....	.....	.....	202.68	202.38	202.43	202.32	202.46	202.59
9	202.96	202.59	202.14	.....	.....	.....	202.44	202.45	202.46	202.34	202.55	202.64
10	202.91	202.53	202.40	.....	.....	.....	202.25	202.31	202.41	202.29	202.42	202.60
11	202.45	202.52	202.45	.....	.....	.....	202.33	202.52	202.41	202.31	202.25	202.54
12	202.55	202.35	202.42	.....	.....	.....	202.48	202.50	202.31	202.27	202.23	202.23
13	202.33	202.55	202.68	.....	.....	.....	202.54	202.36	202.56	202.42	202.04	202.15
14	202.55	202.80	202.89	.....	.....	.....	202.59	202.26	202.72	202.61	202.23	202.45
15	202.60	202.80	202.89	.....	.....	.....	202.50	202.40	202.60	202.57	202.17	202.45
16	202.48	202.62	202.72	.....	.....	.....	202.26	202.42	202.27	202.37	202.27	202.28
17	202.75	202.42	202.12	.....	.....	.....	202.35	202.51	202.30	202.64	202.44	202.29
18	202.70	202.29	202.35	.....	.....	.....	202.41	202.55	202.49	202.61	202.70	202.24
19	202.80	202.64	202.58	.....	.....	.....	202.41	202.40	202.54	202.49	202.70	202.22
20	202.85	202.76	202.71	.....	.....	.....	202.34	202.46	202.69	202.58	202.54	202.46
21	202.58	202.76	202.71	.....	.....	.....	202.41	202.65	202.66	202.45	202.52	202.55
22	202.95	202.62	202.41	.....	.....	.....	202.67	202.67	202.62	202.35	202.62	202.47
23	202.95	202.62	202.36	.....	.....	.....	202.82	202.53	202.45	202.37	202.62	202.36
24	202.67	202.82	202.25	.....	.....	202.27	202.62	202.30	202.42	202.22	202.42	202.38
25	202.41	202.83	202.24	.....	.....	202.60	202.50	202.39	202.37	202.23	202.16	202.23
26	202.71	202.59	.....	.....	.....	202.69	202.58	202.28	202.39	202.30	202.52	202.00
27	202.78	202.37	.....	.....	.....	202.55	202.48	202.33	202.30	202.68	202.56	.....
28	202.71	202.28	.....	.....	.....	202.70	202.56	202.58	202.41	202.70	202.56	.....
29	202.64	202.52	.....	.....	.....	202.67	202.50	202.46	202.42	202.37	202.43	.....
30	202.51		.....	.....	.....	202.59	202.46	202.27	202.36	202.62	202.42	.....
31	202.55		.....		.....		202.48	202.50		202.24		.....

5-20-16dc. Owner unknown. Drilled unused water-table well in sand of Pleistocene age, diameter 5 inches, depth 45 feet. Land-surface datum is 2,270.56 feet above msl. Highest water level 36.82 below lsd, June 24, 1952; lowest 39.95 below lsd, July 22, 1948. Records available: 1948-52. Feb. 4, 36.95; June 24, 36.82.

6-17-15ad. Carl Rumste. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 170 feet. Land-surface datum is 2,253.60 feet above msl. Highest water level 78.22 below lsd, June 24, 1952; lowest 90.08 below lsd, Aug. 6, 1947. Records available: 1947-52. June 24, 78.22.

6-19-2aa. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 151 feet. Land-surface datum is 2,360.81 feet above msl. Highest water level 99.24 below lsd, Feb. 5, 1952; lowest 123.70 below lsd, Mar. 9, 1945. Records available: 1945-52. Feb. 5, 99.24; June 23, 99.45.

6-19-21dc. Owner unknown. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 165 feet. Land-surface datum is 2,375.99 feet above msl. Highest water level 144.45 below lsd, June 23, 1952; lowest 152.60 below lsd, Sept. 26, 1950. Records available: 1948-52. Feb. 5, 145.15; June 23, 144.45.

7-18-3cc. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 4 inches, depth 85 feet. Land-surface datum is 2,314.29 feet above msl. Highest water level 56.91 below lsd, Aug. 16, 1951; lowest 80.85 below lsd, May 15, 1948. Records available: 1948-52. Feb. 5, 73.04; June 23, 72.80.

7-18-35ab. Owner unknown. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 123 feet. Land-surface datum is 2,281.53 feet above msl. Highest water level 63.17 below lsd, June 23, 1952; lowest 72.74 below lsd, May 12, 1948. Records available: 1948-52. Feb. 5, 63.66; June 23, 63.17.

7-20-28dc. Albert Dahlgren. Drilled unused water-table well in sand of Pleistocene age, diameter 3 inches, depth 172 feet. Land-surface datum is 2,450.14 feet above msl. Highest water level 149.82 below lsd, June 24, 1952; lowest 171.72 below lsd, Nov. 15, 1934. Records available: 1934-36, 1948-52. Feb. 5, 150.88; June 24, 149.82.

8-17-24bc. F. R. Skiles. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 24 inches, depth 43 feet. Land-surface datum is 2,187.39 feet above msl. Highest water level 7.60 below lsd, July 8, 1949; lowest 12.23 below lsd, Oct. 27, 1940. Records available: 1930-52. Jan. 17, 8.43; May 22, 7.66; Oct. 23, 9.16.

8-18-16cc. Gus A. Nelson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 38 feet. Land-surface datum is 2,251.87 feet above msl. Highest water level 5.91 below lsd, May 22, 1952; lowest 9.26 below lsd, Aug. 9, 1946. Records available: 1946-52. Jan. 17, 6.93; Mar. 14, 6.51; May 22, 5.91; Oct. 23, 7.30.

8-19-18aa. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 2 inches, depth 9 feet. Highest water level 1.24 below lsd, Mar. 12, 1949; lowest 3.52 below lsd, July 7, 1950. Records available: 1949-52. Jan. 17, 2.36; Mar. 14, 2.01; May 22, 1.87; Oct. 23, 3.09.

8-19-33cc. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 4 inches, depth 117 feet. Land-surface datum is 2,350.97 feet above msl. Highest water level 42.59 below lsd, June 23, 1952; lowest 51.70 below lsd, May 10, 1948. Records available: 1948-52. Feb. 5, 43.44; June 23, 42.59.

8-20-8cd. Mrs. A. D. Matson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 48 feet. Land-surface datum is 2,337.85 feet above msl. Highest water level 3.97 below lsd, Sept. 11, 1950; lowest 8.90 below lsd, Aug. 9, 1946. Records available: 1946-52. Jan. 17, 8.63; May 22, 8.02; Oct. 23, 7.68.

Platte County

A17-1-17dd. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 26 feet. Land-surface datum is 1,436.4 feet above msl. Highest water level 5.20 below lsd, July 30, 1945; lowest 10.90 below lsd, Oct. 27, 1950. Records available: 1935-40, 1942-52. Jan. 25, 7.88; Mar. 28, 6.06; May 29, 5.49; Oct. 30, 8.28.

A17-1-36bc. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 17 feet. Land-surface datum is 1,412.8 feet above msl. Highest water level 3.03 below lsd, Mar. 28, 1952; lowest 8.10 below lsd, June 10, 1946. Records available: 1935-40, 1942-52. Jan. 24, 4.79; Mar. 28, 3.03; May 29, 3.91; Oct. 30, 6.30.

A18-1-28cd. Loup River Public Power District. Drilled observation water-table well in sand of Pleistocene age, diameter 2 inches, depth 99 feet. Land-surface datum is 1,511.8 feet above msl. Highest water level 60.30 below lsd, Mar. 27, Apr. 24, 1940; lowest 70.73 below lsd, July 30, 1937. Records available: 1935-40, 1942-52. Jan. 24, 70.32; Feb. 25, 70.36; Mar. 24, 70.45; May 2, 70.44; Oct. 30, 70.18.

16-2-9cc. John F. Nyffeler. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 38 feet. Land-surface datum is 1,508.17 feet above msl. Highest water level 0.39 below lsd, Apr. 15, 1949; lowest 4.80 below lsd, Sept. 4, 1946. Records available: 1946-52. Jan. 23, 3.09; May 29, 1.71; Oct. 30, 3.87.

16-2-12ab. Herman Ernst. Driven domestic water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 17 feet. Land-surface datum is 1,488.63 feet above msl. Highest water level 6.24 below lsd, Apr. 15, 1949; lowest 11.79 below lsd, Nov. 21, 1939. Records available: 1934-42, 1944-52. Jan. 23, 8.02; Mar. 28, 6.56; Oct. 30, 9.75.

17-1-2cc. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 22 feet. Land-surface datum is 1,468.4 feet above msl. Highest water level 6.80 below lsd, Apr. 13, 1942; lowest 13.29 below lsd, Oct. 8, 1936. Records available: 1935-40, 1942-52. May 29, 9.33; Aug. 29, 9.89; Oct. 30, 10.22.

17-1-34dc. J. C. Ernst. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 65 feet. Land-surface datum is 1,458.86 feet above msl. Highest water level 6.29 below lsd, July 7, 1947; lowest 9.47 below lsd, Nov. 3, 1950. Records available: 1945-52. Jan. 23, 7.97; Mar. 28, 7.11; May 29, 7.11; Oct. 30, 9.07.

17-2-2cd. Ernest Schacher. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 44 feet. Land-surface datum is 1,480.34 feet above msl. Highest water level 4.58 below lsd, July 8, 1947; lowest 8.80 below lsd, Oct. 23, 1936. Records available: 1934-42, 1946-51. No measurement made in 1952.

17-2-6bd. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 23 feet. Highest water level 12.53 below lsd, June 6, 1949; lowest 14.53 below lsd, Aug. 8, 1949. Records available: 1948-52. May 29, 13.89.

17-3-23ad. Owner unknown. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 48 feet. Highest water level 13.55 below lsd, July 6, 1949; lowest 16.01 below lsd, Jan. 24, 1952. Records available: 1947-52. Jan. 24, 16.01; May 29, 15.38; Aug. 29, 15.50.

Polk County

13-4-27bb. Owner unknown. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 142 feet. Highest water level 60.77 below lsd, Mar. 15, 1950; lowest 70.61 below lsd, Nov. 3, 1952. Records available: 1949-50, 1952. Mar. 27, 69.88; May 29, 69.45; Nov. 3, 70.61.

14-4-19ab. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 1,626.55 feet above msl. Highest water level 2.32 below lsd, Mar. 7, 1949; lowest 6.02 below lsd, Sept. 3, 1947. Records available: 1946-52. Jan. 22, 4.16; Mar. 31, 3.49; June 4, 4.42; Nov. 3, 5.68.

15-2-7bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 1,529.26 feet above msl. Highest water level 5.28 below lsd, Apr. 19, 1949; lowest 8.43 below lsd, Nov. 10, 1947. Records available: 1946-52. Jan. 23, 6.77; Mar. 31, 5.61; June 4, 6.58; Oct. 31, 8.30.

15-3-20cc. Ray Norris. Drilled irrigation water-table well in sand of Pleistocene age, diameter 12 inches, depth 21 feet. Land-surface datum is 1,582.83 feet above msl. Highest water level 4.31 below lsd, Apr. 20, 1949; lowest 7.65 below lsd, Nov. 3, 1952. Records available: 1946-52. Jan. 23, 5.84; June 4, 5.28; Nov. 3, 7.65.

16-1-14bb. Joe Czafla. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 1,457.75 feet above msl. Highest water level 3.72 below lsd, July 7, 1947; lowest 6.38 below lsd, Sept. 3, 1946. Records available: 1946-51. No measurement made in 1952.

16-2-23dc. Rudolph Nitsch. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 40 feet. Land-surface datum is 1,498.28 feet above msl. Highest water level 5.92 below lsd, July 7, 1947; lowest 8.24 below lsd, Nov. 10, 1947. Records available: 1946-52. Jan. 23, 7.33; June 4, 6.72; Oct. 31, 8.06.

Redwillow County

2-29-4ad. Rex S. Haberman. Drilled unused water-table well in sand of Pleistocene age, diameter 26 inches, depth 40 feet. Highest water level 27.58 below lsd, May 27-31, June 1-2, 1952; lowest 32.93 below lsd, Aug. 6, 1952. Records available: 1950-52.

2-29-4ad--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.09	28.07	.....	27.86	27.76	27.58	28.28	c33.77	30.86	30.06	29.93	.....
2	28.10	28.06	.....	27.86	27.75	27.58	28.29	c34.17	30.67	30.07	29.92	.....
3	28.11	28.06	.....	27.85	27.75	27.59	28.30	c34.20	30.52	30.07	29.92	.....
4	28.11	28.04	.....	27.85	27.73	27.60	28.31	c34.39	30.42	30.07	29.91	.....
5	28.11	28.04	.....	27.84	27.73	27.61	28.32	c34.39	30.33	30.07	29.91	.....
6	28.11	28.04	.....	27.84	27.72	27.62	28.33	32.93	30.27	30.08	29.90	.....
7	28.11	28.04	.....	27.83	27.72	27.63	28.34	31.77	30.23	30.08	29.89	.....
8	28.10	28.05	.....	27.83	27.72	27.65	28.35	31.10	30.20	30.08	29.89	.....
9	28.10	28.05	.....	27.83	27.71	27.66	28.37	30.70	30.18	30.08	29.88	.....
10	28.10	28.05	.....	27.83	27.71	27.67	28.38	30.77	30.14	30.07	29.87	.....
11	28.11	28.05	.....	27.83	27.71	27.68	28.38	30.27	30.12	30.07	29.87	.....
12	28.10	28.05	.....	27.83	27.71	c29.11	28.39	30.17	30.11	30.07	29.86	29.65
13	28.10	28.05	.....	27.82	27.71	c31.45	28.40	30.08	30.10	30.06	29.85	29.64
14	28.09	28.05	.....	27.83	27.70	c31.25	28.42	30.03	30.09	30.06	29.85	29.64
15	28.09	28.04	.....	27.83	27.70	c29.45	28.43	29.98	30.08	30.05	29.84	29.63
16	28.09	28.03	.....	27.83	27.69	28.62	28.43	29.94	30.07	30.04	29.83	29.63
17	28.09	28.03	28.01	27.83	27.69	28.32	28.44	29.91	30.07	30.04	29.83	29.62
18	28.09	28.02	28.00	27.83	27.68	28.21	28.44	29.88	30.07	30.03	29.82	29.61
19	28.08	28.02	27.99	27.83	27.68	28.18	28.44	c30.68	30.07	30.02	29.81	29.61
20	28.08	28.02	27.98	27.82	27.67	28.16	28.52	c32.22	30.07	30.02	29.80	29.59
21	28.08	28.02	27.98	27.82	27.66	28.17	28.53	c33.34	30.07	30.01	29.80	29.58
22	28.08	.....	27.96	27.82	27.64	28.18	28.60	c33.92	30.07	30.00	.....	29.58
23	28.08	.....	27.87	27.81	27.63	28.19	28.62	c33.85	30.07	29.99	.....	29.57
24	28.08	.....	27.87	27.81	27.62	28.20	28.62	c32.92	30.07	29.98	.....	29.56
25	28.08	.....	27.88	27.81	27.61	28.22	29.65	c32.90	30.07	29.98	.....	29.56
26	28.08	.....	27.88	27.79	27.59	28.23	c31.95	c33.36	30.07	29.97	.....	29.55
27	28.08	.....	27.88	27.78	27.58	28.24	c34.52	c33.30	30.06	29.97	.....	29.54
28	28.08	.....	27.88	27.77	27.58	28.26	c34.73	c33.00	30.06	29.96	.....	29.54
29	.....	.....	27.88	27.77	27.58	28.27	c34.45	32.20	30.06	29.95	.....	29.53
30	28.08		27.87	27.76	27.58	28.27	c34.65	31.57	30.06	29.94	.....	29.52
31	28.07		27.87		27.58		c34.56	31.30		29.94		29.52

c Nearby well being pumped.

3-27-17cb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 16 feet. Land-surface datum is 2,366.88 feet above msl. Highest water level 8.27 below lsd, Oct. 10, 1951; lowest 10.89 below lsd, Sept. 23, 1952. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	9.74	May 19	9.15	July 28	10.40	Sept. 23	10.89
Apr. 17	9.25	June 16	9.64	Aug. 27	10.80	Dec. 15	10.03

3-28-20bb2. Leo D. England. Drilled irrigation water-table well in sand of Pleistocene age, diameter 14 inches, depth 36 feet. Highest water level 5.53 below lsd, Sept. 9-10, 1951; lowest 8.84 below lsd, Oct. 3, 1952. Records available: 1950-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.75	6.45	6.44	6.00	6.01	6.42	7.66	7.98	8.29	8.83	8.28	7.96
2	6.70	6.40	6.45	5.99	6.01	6.47	7.69	8.02	8.31	8.82	8.27	7.95
3	6.69	6.44	6.47	6.04	6.00	6.49	7.69	8.04	8.33	8.84	8.26	7.93
4	6.63	6.43	6.47	6.04	6.02	6.53	7.70	8.06	8.36	8.83	8.25	7.93
5	6.65	6.46	6.46	6.06	6.06	6.56	7.64	8.03	8.36	8.82	8.24	7.92
6	6.65	6.40	6.47	6.04	6.06	6.59	7.49	8.02	8.41	8.82	8.23	7.91
7	6.57	6.42	6.46	6.04	6.08	6.63	7.46	8.03	8.46	8.74	8.22	7.89
8	6.63	6.45	6.43	6.11	6.10	6.72	7.42	8.08	8.53	8.68	8.20	7.87
9	6.66	6.42	6.40	6.11	6.11	6.73	7.37	8.09	8.56	8.64	8.19	7.93
10	6.65	6.43	6.41	6.10	6.11	6.80	7.34	8.09	8.57	8.61	8.18	7.93
11	6.58	6.42	6.41	6.06	6.10	6.86	7.36	8.08	8.59	8.59	8.17	7.91
12	6.59	6.40	6.42	6.11	6.12	6.95	7.38	8.12	8.62	8.57	8.15	7.89
13	6.55	6.45	6.43	6.12	6.12	7.02	7.40	8.12	8.63	8.55	8.14	7.89
14	6.58	6.48	6.38	6.12	6.13	7.08	7.38	8.14	8.64	8.53	8.13	7.88
15	6.58	6.47	6.38	6.14	6.23	7.16	7.34	8.18	8.66	8.51	8.12	7.87
16	6.54	6.43	6.33	6.13	6.22	7.25	7.31	8.19	8.68	8.48	8.11	7.86
17	6.57	6.41	6.26	6.11	6.21	7.30	7.38	8.17	8.69	8.47	8.10	7.85
18	6.55	6.41	6.26	6.10	6.21	7.35	7.45	8.09	8.71	8.45	8.09	7.84
19	6.55	6.46	6.28	6.08	6.18	7.36	7.51	8.09	8.72	8.43	8.08	7.82
20	6.55	6.47	6.28	6.09	6.16	7.42	7.59	8.13	8.72	8.42	8.08	7.81

3-28-20bb2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	6.51	6.47	6.27	6.12	6.20	7.41	7.62	8.14	8.71	8.40	8.07	7.80
22	6.55	6.46	6.27	6.12	6.24	7.46	7.70	8.14	8.72	8.39	8.06	7.78
23	6.55	6.46	6.24	6.07	6.26	7.52	7.72	8.12	8.74	8.38	8.05	7.77
24	6.49	6.50	6.27	6.02	6.29	7.54	7.77	8.13	8.75	8.36	8.04	7.77
25	6.45	6.50	6.27	5.98	6.29	7.57	7.82	8.20	8.76	8.35	8.03	7.76
26	6.48	6.43	6.23	5.94	6.35	7.57	7.85	8.24	8.77	8.34	8.01	7.74
27	6.48	6.43	6.08	5.96	6.38	7.56	7.88	8.28	8.78	8.33	8.01	7.73
28	6.47	6.43	5.90	5.98	6.37	7.60	7.92	8.27	8.80	8.32	8.00	7.72
29	6.45	6.47	5.86	6.00	6.41	7.61	7.86	8.24	8.81	8.31	7.98	7.69
30	6.43		5.92	5.99	6.42	7.65	7.93	8.28	8.81	8.30	7.97	7.68
31	6.43		5.98		6.42		7.97	8.29		8.29		7.67

3-29-32db. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 20 feet. Highest water level 4.54 below lsd, Aug. 13, 1950; lowest 8.36 below lsd, Sept. 10, 1952. Records available: 1940-44, 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 14	5.59	June 5	5.86	Aug. 15	8.24	Oct. 17	7.77
May 7	5.17	July 17	7.29	Sept. 10	8.36	Dec. 10	6.94

3-30-29aa. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 2,512 feet above msl. Highest water level 1.81 below lsd, May 5, 1952; lowest 5.20 below lsd, Sept. 8, 1952. Records available: 1946-52. Apr. 7, 2.17; May 5, 1.81; June 2, 2.69; July 16, 4.18; Aug. 11, 4.77; Sept. 8, 5.20; Dec. 8, 4.25.

Rock County

30-17-8db. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 15 feet. Land-surface datum is 2,235.70 feet above msl. Highest water level 0.50 below lsd, Mar. 24, 1951; lowest 5.12 below lsd, Nov. 22, 1935. Records available: 1934-52. Apr. 1, 0.57; June 30, 2.91; Sept. 25, 4.53.

30-19-10aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 2,304.89 feet above msl. Highest water level 0.91 above lsd, Feb. 28, 1952; lowest 4.23 below lsd, July 19, 1940. Records available: 1940, 1944-52. Jan. 30, +0.63, frozen; Feb. 28, +0.91; Mar. 27, +1.40, frozen; Apr. 28, +0.22; May 26, +0.50; June 30, -1.28; Sept. 25, -1.73.

Saunders County

A13-9-24cc. City of Lincoln. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 1,065.22 feet above msl. Highest water level 0.48 below lsd, July 31, 1948; lowest 7.92 below lsd, Aug. 30, 1934. Records available: 1933-52.

Jan. 25	4.30	Apr. 25	0.95	July 25	5.40	Oct. 25	6.23
Feb. 25	3.84	May 25	2.66	Aug. 25	4.98	Nov. 25	6.11
Mar. 25	1.90	June 25	4.86	Sept. 27	6.04	Dec. 25	5.80

A13-10-30ad. City of Lincoln. Drilled observation water-table well in gravel of Pleistocene age, diameter 8 inches, depth 20 feet. Land-surface datum is 1,066.01 feet above msl. Highest water level 4.52 below lsd, June 2, 1951; lowest 10.87 below lsd, July 31-Aug. 1, 1952. Records available: 1950-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.79	7.03	8.11	6.90	8.41	7.93	9.24	10.87	9.10	10.24	9.42	....
2	7.75	6.87	8.03	7.09	8.42	8.18	9.41	10.69	9.45	10.09	9.46	....
3	7.74	6.66	8.20	7.40	8.49	8.49	9.62	10.42	9.64	10.17	9.41	....
4	7.70	6.36	8.88	7.63	8.48	8.67	9.65	10.33	9.74	10.16	9.43	....
5	7.68	6.12	9.46	7.83	8.56	8.88	9.81	10.54	9.85	10.12	9.43	9.67
6	7.71	5.98	9.70	8.05	8.58	8.93	9.90	10.30	9.89	10.07	9.38	9.68
7	7.75	5.93	9.84	8.08	8.63	9.04	9.91	10.31	9.95	10.07	9.38	9.27
8	7.77	5.93	9.78	8.28	8.60	9.08	9.62	10.15	9.96	10.10	9.39	9.12
9	7.80	6.20	9.61	8.10	8.41	9.08	8.90	9.89	10.00	9.95	9.39	9.02
10	7.81	6.26	9.15	8.12	8.41	9.03	9.13	9.86	10.03	10.07	9.39	9.01

A13-10-30ad--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	7.75	6.40	7.79	8.11	8.47	9.21	9.43	9.69	10.06	9.87	9.41	9.08
12	7.69	6.41	7.80	8.07	8.46	9.29	9.71	9.88	10.09	9.90	9.41	9.07
13	7.65	6.48	7.50	7.94	8.68	9.39	9.88	9.98	10.08	9.94	9.39	9.23
14	7.60	6.40	6.92	8.05	8.71	9.47	9.93	9.78	10.06	9.92	9.40	9.23
15	7.53	6.43	7.38	8.16	8.87	9.58	9.63	9.75	10.07	9.89	9.45	9.58
16	7.44	6.50	7.62	8.10	8.87	9.60	9.08	9.77	10.03	9.85	9.46	9.71
17	7.34	6.73	7.73	8.22	8.68	9.67	8.73	9.75	10.08	9.81	9.44	9.76
18	7.33	6.91	7.62	8.33	8.58	9.67	9.14	9.92	10.07	9.72	9.33	....
19	7.19	7.11	7.37	8.45	8.50	9.77	9.33	9.83	10.06	9.69	9.35	....
20	7.14	7.49	7.36	8.36	8.40	9.83	9.45	9.73	9.97	9.71	9.35	....
21	7.00	7.73	7.48	8.17	8.48	9.83	9.66	9.43	9.97	9.62	9.35	....
22	6.42	8.05	7.63	7.98	8.53	9.54	9.73	9.20	9.94	9.62	9.33	....
23	6.48	8.36	8.34	7.47	8.38	9.57	9.95	9.40	9.91	9.60	9.34	....
24	6.51	8.36	8.52	7.42	6.97	9.75	10.01	9.53	10.03	8.58	9.35	....
25	6.57	8.39	8.59	7.49	7.31	9.82	10.16	9.62	9.96	9.52	9.29	....
26	6.79	8.36	8.53	7.63	7.58	9.88	10.25	9.35	10.08	9.56	9.81	10.02
27	7.00	8.30	8.21	7.81	7.57	9.76	10.36	9.20	10.00	9.49	9.93	10.05
28	7.16	8.18	7.50	7.96	7.66	7.91	10.54	9.38	10.10	9.50	10.57	10.05
29	7.32	8.10	7.36	8.12	7.55	8.67	10.70	9.46	10.00	9.54	....	10.04
30	7.32		7.18	8.28	7.52	8.95	10.66	9.51	10.09	....	....	9.54
31	7.25		6.67		7.61		10.87	9.41		.....		9.68

A17-5-23bc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 3.67 below lsd, May 2, 1951; lowest 6.30 below lsd, June 28, 1950. Records available: 1950-52. Jan. 24, 4.87.

Scotts Bluff County

22-54-32ab. B. J. Pieper. Drilled irrigation water-table well in coarse gravel of Pleistocene age, diameter 24 inches, depth 45 feet. Highest water level 7.59 below lsd, Aug. 28, 1937; lowest 10.98 below lsd, Apr. 5, 1938. Records available: 1937-38, 1945, 1951. No measurement made in 1952.

23-56-6aa. Carl Gompert. Drilled irrigation water-table well in alluvium of Quaternary age, diameter 18 inches. Land-surface datum is 4,087.7 feet above msl. Highest water level 29.24 below lsd, Oct. 26, 1949; lowest 34.63 below lsd, July 1, 1949. Records available: 1948-52. Jan. 28, 31.40; Mar. 31, 33.09; May 19, 34.01; Sept. 19, 29.84.

23-56-28ad. U. S. Geol. Survey. Drilled observation water-table well in terrace gravels of Pleistocene age, diameter 1 inch, depth 18 feet. Highest water level 8.69 below lsd, Nov. 8, 1940; lowest 9.90 below lsd, Apr. 16, 1951. Records available: 1936-42, 1944-45, 1951. No measurement made in 1952.

23-57-5bb. Andrew Oleson. Drilled unused water-table well in siltstone of Oligocene age, diameter 4 inches, depth 142 feet. Land-surface datum is 4,111.5 feet above msl. Highest water level 20.67 below lsd, Oct. 4, 1951; lowest 25.73 below lsd, May 1, 1950. Records available: 1948-52. Jan. 28, 22.30; Mar. 31, 22.70; May 19, 23.21; Sept. 19, 20.97.

Seward County

A11-2-23cc. August Rolfmeier. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 127 feet. Highest water level 76.98 below lsd, Apr. 23, 1952; lowest 77.86 below lsd, Oct. 14, 1948. Records available: 1948-52. Feb. 28, 77.00; Apr. 23, 76.98; Sept. 11, 77.00.

Sheridan County

24-41-34da. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 13 feet. Highest water level 5.52 below lsd, June 8, 1935; lowest 9.37 below lsd, Oct. 21, 1941. Records available: 1934-42, 1944-52. June 30, 6.80.

24-42-27ba. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 18 feet. Highest water level 12.19 below lsd, Apr. 4, 1946; lowest 13.45 below lsd, Apr. 17, 1951. Records available: 1946-52. June 30, 12.71.

24-43-15da. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 21 feet. Highest water level 5.66 below lsd, June 8, 1949; lowest 8.08 below lsd, Nov. 4, 1940. Records available: 1940-42, 1944-52. June 30, 6.41.

24-44-14da. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Highest water level 3.71 below lsd, Sept. 5, 1951; lowest 6.18 below lsd, Aug. 15, 1946. Records available: 1946-52. June 30, 4.77.

24-44-18bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 3.80 below lsd, May 11, 1949; lowest 5.50 below lsd, Aug. 15, 1946. Records available: 1946-52. June 30, 4.61.

24-46-10cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 2.26 below lsd, Apr. 4, 1946; lowest 7.35 below lsd, Aug. 15, 1946. Records available: 1946-52. June 30, 5.72.

25-45-32ad. J. Herrian. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 106 feet. Highest water level 31.50 below lsd, July 15-16, 1949; lowest 33.84 below lsd, Sept. 16, 1946. Records available: 1946-51. No measurement made in 1952.

29-46-4dc. George Glenn. Drilled unused water-table well in sandstone of Marsland formation, diameter 6 inches, depth 111 feet. Highest water level 56.87 below lsd, Oct. 6, 1952; lowest 61.34 below lsd, May 2, 1950. Records available: 1950-52. Jan. 29, 58.45, nearby well being pumped; Apr. 2, 58.66, nearby well being pumped; June 25, 58.94; Oct. 6, 56.87.

29-46-24ad1. Kenneth Pyle. Drilled unused water-table well in sandstone of Marsland formation, diameter 6 inches, depth 95 feet. Highest water level 63.10 below lsd, Oct. 4, 1950; lowest 64.46 below lsd, July 19, 1950. Records available: 1950-52. Jan. 29, 63.54; Apr. 2, 63.57. Measurement discontinued.

31-44-10dd. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 0.24 below lsd, June 25, 1952; lowest 5.24 below lsd, Sept. 12, 1936. Records available: 1935-42, 1944-47, 1951-52. Jan. 29, 1.60; Apr. 1, 0.46; June 25, 0.24.

31-46-8ad. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 15 feet. Highest water level 2.09 below lsd, Jan. 29, 1952; lowest 6.20 below lsd, Nov. 1, 1940. Records available: 1936-42, 1944-47, 1951-52. Jan. 29, 2.09; Apr. 2, 2.12; June 25, 2.29; Oct. 7, 3.82.

33-42-36da. School District. Drilled stock water-table well in sandstone of Ogallala formation, diameter 4 inches, depth 51 feet. Highest water level 34.59 below lsd, Oct. 7, 1947; lowest 36.51 below lsd, Oct. 19, 1941. Records available: 1940-41, 1945, 1947, 1951. No measurement made in 1952.

Sherman County

13-13-4dc. Thomas. Drilled stock water-table well in sand of Pleistocene age, diameter 4 inches, depth 190 feet. Land-surface datum is 2,083.92 feet above msl. Highest water level 120.51 below lsd, Feb. 12, 1952; lowest 122.11 below lsd, Feb. 7, 1950. Records available: 1949-52. Feb. 12, 120.51; Apr. 10, 120.85.

14-14-8ac. Claude Zimmerman. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 155 feet. Land-surface datum is 2,032.77 feet above msl. Highest water level 5.79 below lsd, Aug. 16, 1950; lowest 8.76 below lsd, Oct. 1, 1948. Records available: 1948-52. Feb. 11, 7.87; Apr. 11, 7.25; July 14, 8.09.

14-14-23cb. Lee Heil. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 85 feet. Land-surface datum is 2,009.41 feet above msl. Highest water level 10.88 below lsd, June 26, 1949; lowest 12.65 below lsd, Nov. 8, 1949, Jan. 9, 1950. Records available: 1949-51. No measurement made in 1952.

14-16-23bb. Henry Franssen. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 123 feet. Land-surface datum is 2,159.36 feet above msl. Highest water level 39.15 below lsd, Sept. 19, 1951; lowest 41.00 below lsd, Sept. 9, 1952. Records available: 1950-52. Feb. 26, 39.43; Sept. 9, 41.00.

16-15-28bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter ¾ inch, depth 35 feet. Land-surface datum is 2,126.38 feet above msl. Highest water level 18.57 below lsd, July 5, 1951; lowest 21.31 below lsd, Jan. 4, 1950. Records available: 1949-52. Feb. 12, 20.46; Apr. 11, 20.57; July 18, 21.08.

Sioux County

24-57-35cb. R. J. Lenhart. Drilled irrigation water-table well in alluvium of Quaternary age, diameter 24 inches, depth 87 feet. Land-surface datum is 4,089.7 feet above msl. Highest water level 4.84 below lsd, Aug. 31, 1949; lowest 9.83 below lsd, Apr. 16, 1951. Records available: 1948-52. Jan. 28, 8.62; Mar. 31, 9.29; May 19, 8.91; Sept. 19, 5.48.

Stanton County

A22-2-8dd. Carroll. Drilled irrigation water-table well in sand of Pleistocene age, diameter 16 inches, depth 72 feet. Highest water level 32.18 below lsd, Nov. 7, 1951; lowest 38.15 below lsd, Apr. 6, 1950. Records available: 1950-52. Jan. 30, 36.19.

A23-3-7bc. E. Spence. Drilled irrigation water-table well in sand of Pleistocene age, diameter 16 inches, depth 48 feet. Highest water level 9.62 below lsd, Nov. 7, 1951; lowest 14.39 below lsd, Jan. 16, 1951. Records available: 1950-52. Jan. 30, 14.35.

A23-3-11bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 13 feet. Highest water level 2.60 below lsd, May 28, 1951; lowest 6.51 below lsd, Oct. 27, 1936. Records available: 1936-40, 1942, 1946, 1948, 1950-52. Jan. 30, 3.79.

Thomas County

24-30-20ab. U. S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diameter 1 inch, depth 13 feet. Highest water level 1.57 below lsd, Sept. 4, 1951; lowest 3.12 below lsd, Apr. 26, 1946. Records available: 1934-42, 1944-52. June 30, 2.74.

Valley County

17-16-26dc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 12 inches, depth 11 feet. Land-surface datum is 2,152.4 feet above msl. Highest water level 2.70 below lsd, Apr. 1, 1949; lowest 6.83 below lsd, Dec. 26, 1946. Records available: 1943-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	3.99	4.12	4.20	4.67	....	6.23	6.37	6.02	6.04	5.51	5.26
2	....	3.95	4.18	4.25	4.69	....	6.25	6.37	5.99	6.04	5.50	5.25
3	4.68	3.86	4.35	4.29	4.75	....	6.27	6.28	5.97	6.02	5.50	5.23
4	4.70	3.86	4.42	4.34	4.80	....	....	6.17	6.01	6.01	5.49	5.21
5	4.65	3.85	4.48	4.40	4.88	....	....	6.13	6.05	5.99	5.48	5.18
6	4.68	3.86	4.50	4.43	4.93	....	....	6.07	6.08	5.97	5.47	5.14
7	4.68	3.86	4.50	4.46	4.82	....	....	6.05	6.10	5.94	5.47	5.11
8	4.60	3.86	4.48	4.39	4.69	....	6.26	6.01	6.16	5.91	5.46	5.08
9	4.58	3.87	4.38	4.39	4.56	....	6.24	5.97	6.21	5.88	5.46	5.06
10	4.61	3.87	4.07	4.54	4.58	5.62	6.24	5.96	6.25	5.86	5.45	5.05
11	4.60	3.88	4.01	4.53	4.67	5.67	6.27	5.96	6.26	5.84	5.45	5.04
12	4.52	3.86	3.97	4.47	4.79	5.73	6.31	5.94	6.28	5.82	5.44	5.04
13	4.42	3.72	3.68	4.05	4.90	5.78	6.31	5.93	6.29	5.80	5.43	5.11
14	4.36	3.56	3.78	4.13	4.99	5.83	6.31	5.90	6.29	5.79	5.42	5.11
15	4.35	3.60	3.83	4.26	5.03	5.89	6.35	5.88	6.26	5.76	5.41	5.14
16	3.99	3.60	3.81	4.35	4.81	5.44	5.98	5.87	6.23	5.74	5.40	5.15
17	3.96	3.47	3.75	4.38	4.64	5.98	5.96	5.91	6.22	5.72	5.39	5.15
18	3.96	3.55	3.81	4.21	4.68	6.03	5.98	5.95	6.21	5.70	5.36	5.13
19	3.93	3.67	3.91	4.28	4.75	6.07	6.01	6.01	6.20	5.68	5.34	5.11
20	3.73	3.82	3.98	4.27	4.83	6.11	6.05	6.04	6.18	5.67	5.33	5.09
21	3.73	3.93	4.04	4.22	4.84	6.13	6.09	6.08	6.15	5.65	5.32	5.06
22	3.97	4.01	4.11	3.69	4.32	6.13	6.11	6.11	6.11	5.64	5.31	....
23	4.21	4.05	4.14	3.68	4.32	6.15	6.15	6.12	6.07	5.63	5.30	....
24	4.34	4.08	4.16	3.95	4.47	6.17	6.18	6.12	6.05	5.61	5.28	....
25	4.37	4.10	3.89	4.13	4.60	6.19	6.23	6.13	6.04	5.60	5.26	....
26	4.37	4.11	3.82	4.29	4.63	6.20	6.28	6.16	6.03	5.60	5.25	....
27	4.34	4.11	3.74	4.44	4.49	6.20	6.32	6.20	6.02	5.59	5.26	....
28	4.23	4.06	3.75	4.55	4.62	6.19	6.33	6.20	6.02	5.55	5.27	....
29	4.11	4.10	3.82	4.59	4.77	6.20	6.32	6.14	6.02	5.55	5.27	....
30	4.08		3.96	4.63	4.90	6.21	6.30	6.06	6.04	5.53	5.27	5.07
31	4.08		4.08		4.99		6.34	6.03		5.52		....

18-13-23dd. W. T. Hutchins. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 83 feet. Highest water level 8.70 below lsd, Aug. 3, 1949; lowest 23.37 below lsd, Oct. 12, 1937. Records available: 1934-42, 1948-52. Dec. 4, 10.90.

18-16-30cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 14 feet. Land-surface datum is 2,217.61 feet above msl. Highest water level 3.75 below lsd, Sept. 17, 1951; lowest 5.27 below lsd, Feb. 3, Mar. 3, 1950. Records available: 1949-52. Dec. 5, 4.49.

19-13-28bb. Wm. Peterson. Drilled irrigation water-table well in sand and sandstone of Tertiary age, diameter 18 inches, depth 98 feet. Highest water level 12.29 below lsd, Apr. 29, 1949; lowest 14.58 below lsd, Sept. 30, 1948. Records available: 1948-52. Dec. 4, 13.98.

19-14-6dc. Chas. Verzal. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 97 feet. Highest water level 27.21 below lsd, Sept. 20, 1949; lowest 37.90 below lsd, Aug. 10, 1934. Records available: 1934-42, 1948-51. No measurement made in 1952.

Wayne County

A27-1-36cc. L. E. Jenkins. Drilled stock water-table well in alluvial sand, diameter 6 inches, depth 32 feet. Highest water level 6.00 below lsd, Jan. 26, 1952; lowest 9.72 below lsd, Mar. 19, 1951. Records available: 1949-52. Jan. 26, 6.00; May 16, 6.30; July 6, 6.65; Aug. 30, 8.10.

Webster County

1-9-9cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Highest water level 3.17 below lsd, June 20, 1949; lowest 8.54 below lsd, Feb. 4, 1949. Records available: 1947-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	7.94	May 12	7.40	July 8	6.57	Sept. 3	5.95
Feb. 28	7.91	26	7.10	21	7.20	15	6.67
Apr. 2	7.37	June 9	7.12	Aug. 6	5.72	Oct. 1	7.50
30	7.15	23	5.94	20	4.36	Nov. 19	8.08

1-11-11ab. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter 8 inches, depth 17 feet. Land-surface datum is 1,684.9 feet above msl. Highest water level 1.34 below lsd, July 11-12, 1951; lowest 9.49 below lsd, Feb. 11, 1949. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.90	6.19	....	3.83	3.50	3.50	5.98	....	7.08	7.70	7.97	8.11
2	....	6.17	....	3.70	3.53	3.65	6.03	....	7.11	7.71	7.98	8.12
3	....	6.16	....	3.78	3.60	3.80	6.09	....	7.13	7.72	7.98	8.12
4	....	6.13	....	3.85	3.67	3.94	6.14	....	7.16	7.74	7.99	8.12
5	....	6.09	....	3.92	3.75	4.07	6.21	....	7.18	7.75	7.99	8.13
6	....	6.05	....	3.97	3.85	4.19	6.25	....	7.20	7.76	8.00	8.13
7	....	6.02	....	4.02	3.86	4.31	5.90	....	7.23	7.77	8.00	8.13
8	....	5.98	....	4.07	3.88	4.43	5.70	....	7.25	7.78	8.01	8.13
9	....	5.95	....	4.07	3.95	4.53	5.67	....	7.28	7.79	8.01	8.13
10	....	5.92	....	4.03	4.02	4.64	5.68	....	7.30	7.80	8.02	8.13
11	....	5.89	....	3.88	4.09	4.72	5.68	....	7.33	7.82	8.03	8.13
12	....	5.87	....	3.68	4.17	4.81	5.65	....	7.35	7.83	8.03	8.13
13	....	5.88	....	3.31	4.23	4.92	5.83	....	7.38	7.84	8.04	8.13
14	....	5.89	....	3.21	4.29	5.00	5.92	....	7.41	7.85	8.04	8.13
15	....	5.91	....	3.25	4.36	5.10	4.47	....	7.43	7.85	8.04	8.13
16	6.14	5.92	....	3.18	4.42	5.20	4.40	....	7.42	7.86	8.05	8.13
17	6.13	5.93	....	3.35	4.47	5.29	4.50	....	7.44	7.87	8.05	8.13
18	6.13	5.94	....	3.36	4.52	5.40	4.64	....	7.46	7.88	8.05	8.12
19	6.11	5.94	....	3.16	4.58	5.55	4.76	....	7.48	7.89	8.06	8.12
20	6.10	5.94	....	3.15	4.62	5.62	4.88	6.70	7.51	7.90	8.06	8.12
21	6.08	5.95	....	3.15	4.61	5.68	5.00	6.73	7.53	7.91	8.07	8.13
22	6.08	5.96	....	2.90	3.08	5.74	5.12	6.77	7.55	7.92	8.08	8.13
23	6.10	5.97	....	2.26	1.87	5.81	5.25	6.81	7.57	7.93	8.08	8.13
24	6.17	5.97	....	2.42	2.04	5.86	5.32	6.84	7.59	7.94	8.09	8.14
25	6.18	5.92	....	2.60	2.24	5.93	....	6.87	7.61	7.94	8.09	8.14

1-11-11ab--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	6.18	5.70	....	2.78	2.50	5.98	....	6.91	7.62	7.95	8.09	8.15
27	6.19	5.40	....	2.98	2.60	5.92	....	6.94	7.64	7.95	8.09	8.15
28	6.19	5.10	....	3.17	2.76	5.88	....	6.96	7.66	7.96	8.10	8.15
29	6.20	5.92	....	3.32	2.92	5.88	....	7.00	7.67	7.96	8.10	8.15
30	6.20		....	3.43	3.15	5.93	....	7.02	7.68	7.97	8.11	8.16
31	6.19		3.85		3.32		....	7.05		7.97		8.10

1-12-2bb. U. S. Geol. Survey. Drilled observation water-table well in black soil, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 1,723.57 feet above msl. Highest water level 0.94 below lsd, June 21, 1949; lowest 7.12 below lsd, Oct. 8, 1948. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	3.28	May 28	1.20	July 24	1.90	Sept. 16	4.47
Apr. 2	1.75	June 25	3.40	Aug. 20	3.63	Oct. 22	4.86
May 2	1.20						

2-10-36db. Henry J. Somerhalder. Dug irrigation water-table well in sand and gravel of Pleistocene age, cribbed with wood, diameter 40 inches, depth 35 feet. Highest water level 25.65 below lsd, June 22, 1935; lowest 28.07 below lsd, Feb. 12, 1946. Records available: 1934-40, 1942, 1946-52.

Apr. 1	26.08	May 28	25.97	July 24	25.94	Sept. 16	26.23
30	25.94	June 25	26.06	Aug. 20	26.22	Oct. 22	26.22

York County

11-1-35bb. Wilbur Schlechte. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 283 feet. Highest water level 104.44 below lsd, Apr. 23, 1952; lowest 105.40 below lsd, Oct. 14, 1948. Records available: 1948-52. Feb. 28, 104.59; Apr. 23, 104.44; Sept. 11, 104.70.

11-3-36ab. Mother Jewel Home. Drilled irrigation water-table well in sand of Pleistocene age, diameter 12 inches. Highest water level 65.82 below lsd, Sept. 11, 1952; lowest 68.00 below lsd, June 23, 1948. Records available: 1948-52. Feb. 28, 66.14; Apr. 23, 66.06; Sept. 11, 65.82.

11-4-25bc. Bryce Tracy. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 114 feet. Land-surface datum is 1,709.05 feet above msl. Highest water level 63.08 below lsd, Dec. 26, 1951; lowest 66.48 below lsd, Sept. 11, 1952. Records available: 1948-52. Feb. 28, 64.66; Apr. 23, 64.52; Sept. 11, 66.48.

11-4-31ba. Herman Fenster. Drilled irrigation water-table well in sand of Pleistocene age, diameter 22 inches, depth 140 feet. Land-surface datum is 1,740.05 feet above msl. Highest water level 70.85 below lsd, Apr. 23, 1952; lowest 72.65 below lsd, Oct. 14, 1948. Records available: 1946-52. Feb. 28, 71.01; Apr. 23, 70.85; Sept. 11, 71.89.

NORTH DAKOTA

By John E. Powell

Scope of Water-Level Program

The observation-well program in North Dakota was continued in 1952 in cooperation with the State Water Conservation Commission and the State Geological Survey. Measurements were made in 93 wells, 4 of which were equipped with recording gages. Locations of the observation wells are shown on figures 13, 14, 15, and 16. In addition to the statewide program for obtaining data on water levels, field work was carried on in connection with studies of ground-water conditions in the vicinities of the towns of Devils Lake, Bowbells, Stanley, and Upham. Reports on the ground-water conditions in the vicinities of the towns of Litchville, Mohall, and Streeter were published in mimeographed form. A report on the ground-water conditions in the vicinity of Michigan City was completed. Figure 17 shows average monthly water levels in selected wells from 1937 to 1952.

Precipitation

The precipitation in the State as a whole in 1952 was 12.25 inches, or 4.87 inches below the 1892-1952 average. Departures at individual stations ranged from 10.52 inches below normal to 1.68 inches above normal. Above-normal precipitation occurred only in a small area in the central part of the State. For the State as a whole, the precipitation was below average during all months except January, February, July, and August.

Interpretation of Water-Level Fluctuations

The average change in ground-water levels during 1952 followed the general pattern of previous years. The water levels declined during the winter months of January, February, and March. They rose during April and May, and then declined steadily during the rest of the year. The lowest water levels of the year were recorded in December. At the end of 1952, the average ground-water level was 2.05 feet lower than at the end of 1951. The average monthly water levels from 1937 through 1952 in selected observation wells are given in the following table. Figure is a graphical presentation of the data in the table.

Monthly average water levels, in feet above assumed datum planes, in observation wells in North Dakota, 1937-52.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1937	.....	.....	.....	.....	.....	.....	.....	.....	100.31	100.19	100.13	100.05
1938	99.97	99.93	100.12	100.41	100.68	100.35	99.99	99.61	99.59	99.44	99.51	99.54
1939	99.49	99.38	99.38	99.95	99.98	100.07	99.89	99.62	99.41	99.37	99.34	99.31
1940	99.24	99.14	99.13	99.16	99.43	99.52	99.34	99.24	99.07	98.96	98.95	98.92
1941	98.84	98.74	98.83	99.76	99.97	100.43	100.39	99.89	100.16	100.73	100.64	100.26
1942	100.68	100.41	100.43	101.40	101.45	101.67	101.42	101.48	101.48	101.35	100.98	100.73
1943	100.51	100.44	100.40	101.30	102.09	102.73	102.68	102.19	101.91	101.50	101.37	101.26
1944	100.40	100.24	100.02	100.22	100.52	101.15	101.28	101.37	101.67	101.36	101.55	101.59
1945	101.04	100.96	101.06	101.49	101.74	101.71	101.27	100.95	100.71	100.71	100.70	100.54
1946	100.01	100.24	100.18	101.18	101.55	100.97	100.60	100.36	100.07	100.70	100.84	100.67
1947	100.48	100.49	100.33	101.35	101.74	102.25	102.37	101.93	101.49	101.48	101.57	101.51
1948	101.30	101.01	101.10	102.29	104.63	103.74	103.27	102.65	101.73	101.52	101.47	101.32
1949	101.12	100.84	100.96	103.00	103.88	103.36	102.89	102.45	101.97	101.65	101.96	101.84
1950	101.56	101.23	101.16	101.84	103.86	104.02	103.42	102.88	102.55	102.57	102.30	102.06
1951	101.70	101.49	101.46	103.24	103.85	103.72	103.27	102.75	102.64	102.53	102.32	102.13
1952	101.71	101.37	101.15	102.63	102.97	102.44	101.95	101.35	100.83	100.44	100.26	100.08

Well-Numbering System

The well-numbering system used in this report conforms to a system now adopted for use in all the Missouri Basin States. The well numbers are derived by reference to the township, range, and section system of land subdivision in use over the greater part of the United States. The number serves to designate the well specifically and, also, indicates its location in the field.

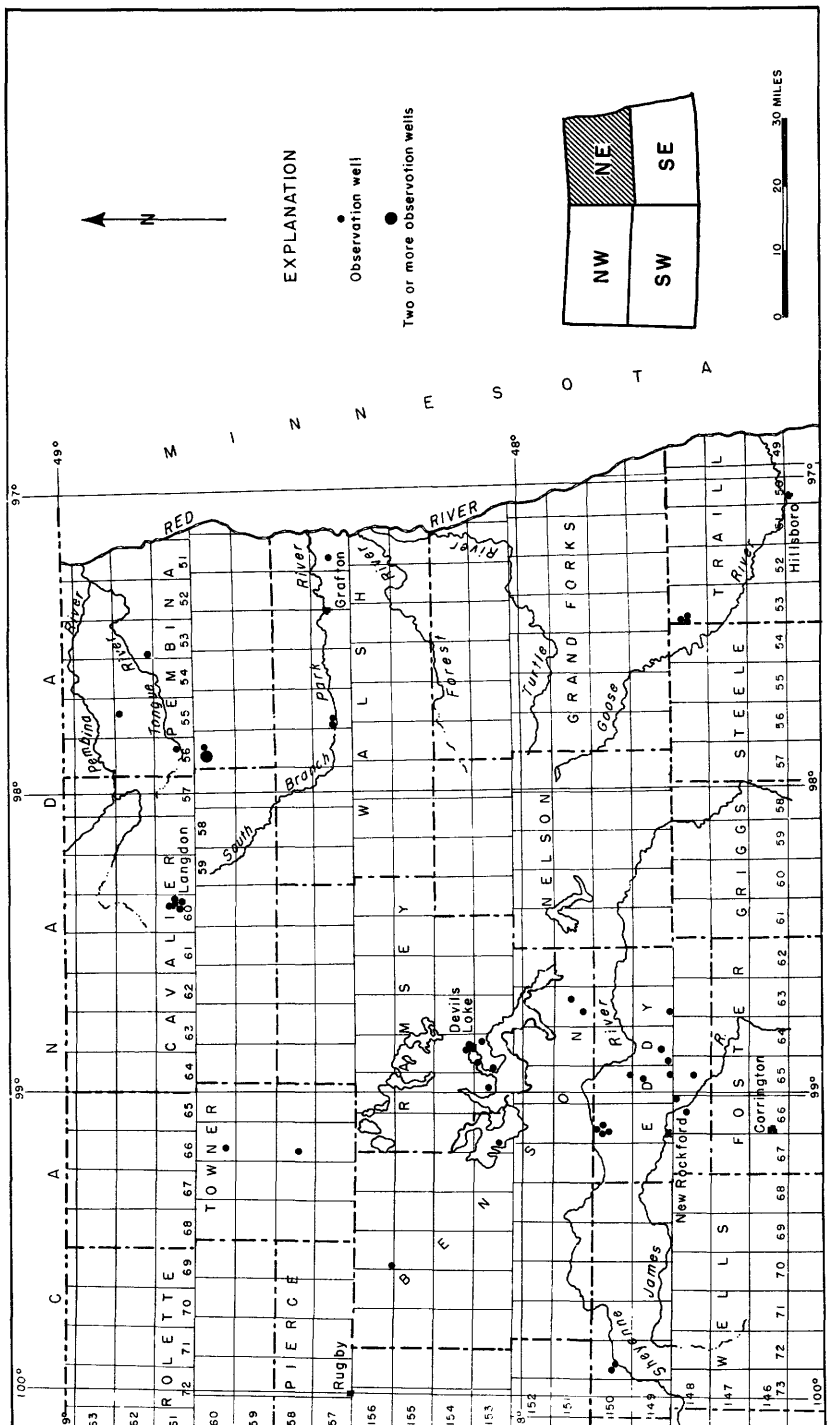


Figure 13.--Location of observation wells in northeastern North Dakota, 1952.

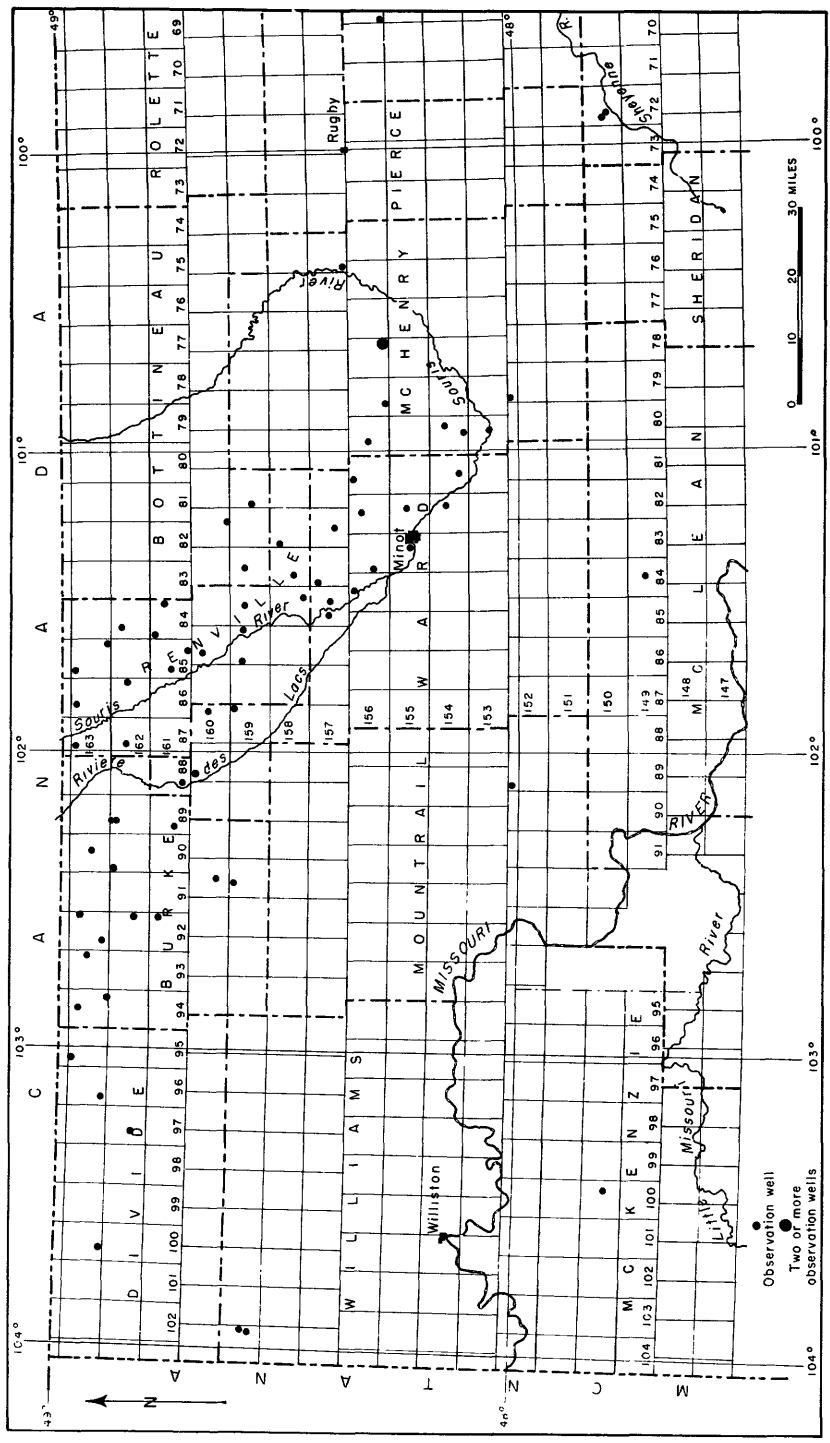


Figure 14.--Location of observation wells in northwestern North Dakota, 1952.

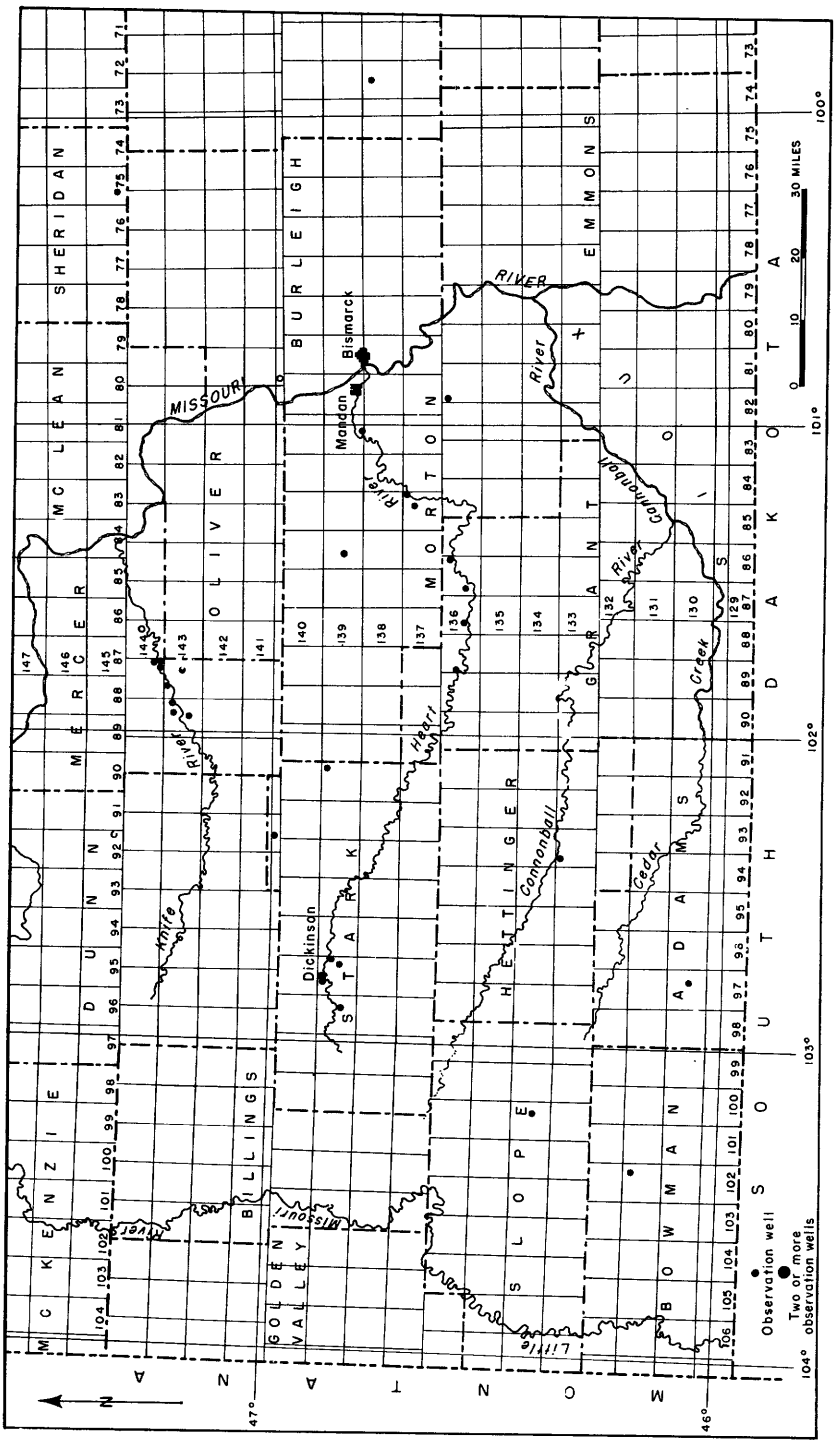


Figure 15.--Location of observation wells in southwestern North Dakota, 1952.

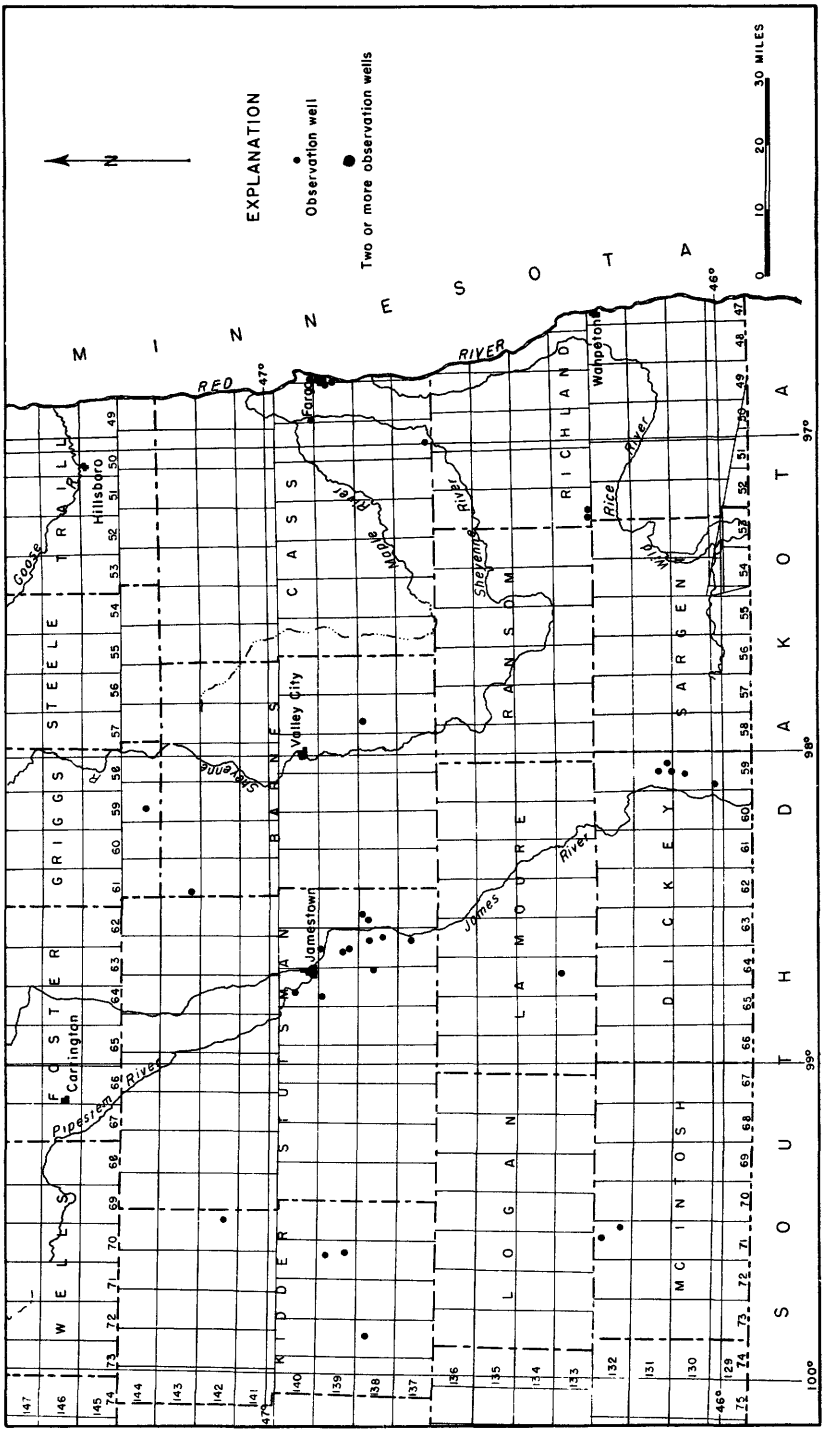


Figure 16.--Location of observation wells in southeastern North Dakota, 1952.

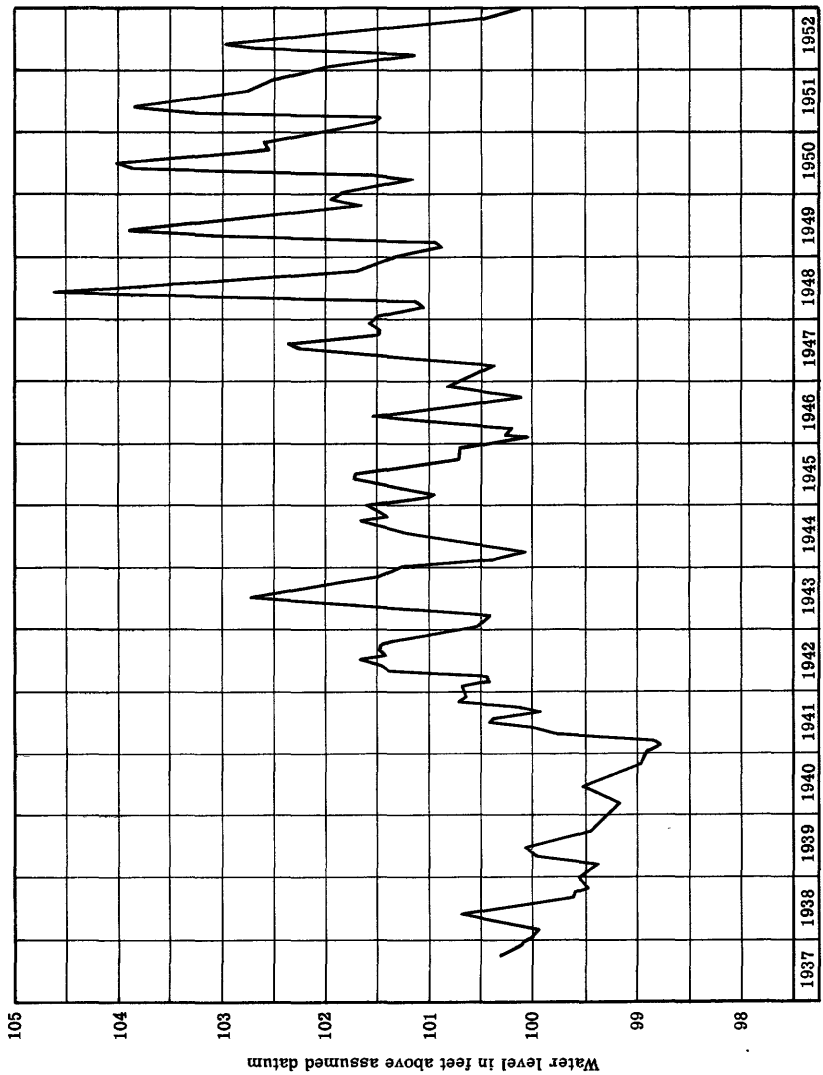


Figure 17.--Average monthly water levels in selected wells in North Dakota, 1937-52.

In North Dakota, the land descriptions are referred to the base line that extends laterally across the middle of Arkansas and to the fifth principal meridian. All townships are north of the base line and all ranges are west of the principal meridian. The well number consists of three segments divided by hyphens. The first segment is the township number north of the base line and the second is the range number west of the principal meridian. The third segment consists of a number followed by lowercase letters that are again followed by a number. The first number indicates the section within the designated township. The section is divided into quarters (160-acre tracts) designated by the first lowercase letter. The letters a, b, c, and d are assigned in a counterclockwise order beginning in the northeast quarter. The quarter section is again divided into four parts (40-acre tracts) designated by the second lowercase letter. In some cases, the 40-acre tracts have been subdivided into 10-acre tracts designated by a third lowercase letter. The number following the lowercase letters simply refers to the numerical order in which the wells were scheduled in the 40-acre or 10-acre tract of land indicated by the preceding part of the well number. As an example, the first well scheduled in the NW¼SW¼ sec. 5, T. 138 N., R. 57 W. is designated 138-57-5cb1. If a second well were scheduled in the same 40-acre tract, it would be designated 138-57-5cb2.

Well Descriptions and Water-Level Measurements

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

Adams County

130-97-14cc1. Mrs. Halverson. Drilled water-table well in Fort Union formation, diameter 4 inches, depth 77 feet. Highest water level 44.34 below lsd, Dec. 4, 1951; lowest 53.59 below lsd, Apr. 16, 1941. Records available: 1940-49, 1951-52. May 2, 48.40; June 9, 46.80; July 14, 48.80; Aug. 18, 48.90; Sept. 23, 48.30; Nov. 17, 48.30; Dec. 9, 48.70.

Barnes County

138-57-5cb1. H. H. Wilkins. Dug water-table well in glacial drift, diameter 24 inches, depth 51 feet. Highest water level 27.34 below lsd, Nov. 10, 1951; lowest 43.41 below lsd, Aug. 30, 1941. Records available: 1939-47, 1949-52. Apr. 11, 28.57.

143-61-30ccc1. U. S. Geol. Survey. Drilled unused water-table well in glacial sand and gravel, diameter 1¼ inches, depth 66 feet, sandpoint in bottom. Water level affected by pumping of nearby municipal well. Highest water level 15.29 below lsd, May 24, 1950; lowest 30.73 below lsd, Sept. 26, 1952. Records available: 1950, 1952. Sept. 26, 30.73.

Benson County

151-63-14aaa. R. L. Schlieve. U. S. Geol. Survey. Drilled unused water-table well in glacial outwash sand and gravel, diameter 1½ inches, depth 40 feet, sandpoint in bottom. Highest water level 17.58 below lsd, Oct. 11, 1950; lowest 20.24 below lsd, Dec. 19, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	19.85	Apr. 13	19.88	June 29	19.99	Oct. 25	20.20
18	19.81	28	19.89	July 14	20.00	Nov. 3	20.20
Feb. 3	19.84	May 5	19.92	26	20.00	13	20.20
21	19.96	7	19.91	Aug. 12	20.00	17	20.22
Mar. 10	19.94	26	19.93	26	20.00	25	20.21
24	19.99	June 3	19.98	Sept. 9	20.00	Dec. 6	20.22
Apr. 1	20.00	14	19.99	23	20.10	16	20.23
12	20.00	20	20.00	Oct. 11	20.10	19	20.24

151-63-29aac. U. S. Geol. Survey. Drilled unused water-table well in glacial outwash sand and gravel, diameter 6 inches, depth 67 feet. Highest water level 15.86 below lsd, Aug. 18, 1951; lowest 16.93 below lsd, Dec. 17, 1952. Records available: 1951-52.

Daily lowest water level from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	16.30	16.33	16.40	16.44	16.75	16.74	16.80	16.86
2	.....	16.28	16.33	16.40	16.44	16.75	16.74	16.83	16.87
3	.....	16.29	16.34	16.40	16.44	16.76	16.72	16.83	16.87
4	.....	16.26	16.34	16.40	16.44	16.78	16.75	16.79	16.88
5	.....	16.29	16.32	16.39	16.44	16.80	16.77	16.82	16.89
6	.....	16.29	16.33	16.40	16.44	16.81	16.79	16.83	16.87
7	.....	16.27	16.33	16.40	16.45	16.81	16.79	16.83	16.85
8	16.21	16.29	16.32	16.40	16.45	16.82	16.78	16.84	16.87
9	.....	16.31	16.34	16.39	16.45	16.83	16.78	16.85	16.90
10	16.23	16.31	16.35	16.39	16.45	16.84	16.78	16.83	16.90

151-63-29aac--Continued.

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	16.30	16.34	16.40	16.46	16.85	16.78	16.82	16.90
12	.....	16.30	16.33	.....	16.46	16.85	16.75	16.82	16.91
13	.....	16.31	16.34	.....	16.46	16.86	16.77	16.81	16.92
14	.....	16.30	16.35	.....	16.46	16.87	16.80	16.82	16.91
15	.....	16.32	16.35	.....	16.52	16.88	16.78	16.83	16.89
16	.....	16.35	16.33	.....	16.55	16.81	16.80	16.84	16.90
17	16.20	16.35	16.35	.....	16.56	16.81	16.81	16.85	16.93
18	16.20	16.35	16.36	.....	16.58	16.81	16.80	16.84	.....
19	16.20	16.33	16.37	.....	16.59	16.81	16.82	16.85	.....
20	16.20	16.32	16.35	.....	16.60	16.81	16.82	16.85	.....
21	16.22	16.33	16.36	.....	16.63	16.81	16.79	16.86	.....
22	16.26	16.35	16.36	.....	16.64	16.80	16.80	16.87	.....
23	16.26	16.36	16.35	.....	16.65	16.77	16.80	16.87	.....
24	16.27	16.36	16.35	16.40	16.65	16.76	16.79	16.85	.....
25	16.27	16.36	16.38	16.44	16.66	16.76	16.79	16.86	.....
26	16.27	16.34	16.39	16.44	16.66	16.74	16.80	16.86	.....
27	16.25	16.34	16.39	16.44	16.68	16.72	16.83	16.87	.....
28	16.26	16.35	16.38	16.45	16.70	16.73	16.83	16.87	.....
29	16.30	16.34	16.40	16.42	16.70	16.75	16.79	16.88	.....
30	16.32	16.37	16.39	16.43	16.71	16.74	16.79	16.88	.....
31	.....	16.33		16.44	16.71		16.80		.....

* No record for January, February, and March.

153-66-21aab. U. S. Geol. Survey. Drilled unused water-table well in glacial sand and gravel, diameter 6 inches, depth 103 feet, casing slotted 83-103. Highest water level 1.25 below lsd, Oct. 7, 1950; lowest 5.16 below lsd, Nov. 24, 1952. Records available: 1950-52. Nov. 24, 5.16.

156-69-36ca1. H. Biltingsrud. Drilled water-table well in glacial drift, diameter 36 inches, depth 29 feet. Highest water level 6.27 below lsd, May 24, 1950; lowest 21.60 below lsd, Nov. 3, 1951. Records available: 1940-52. Apr. 5, 12.53.

Bowman County

131-102-11ca1. City of Bowman. Drilled unused water-table well in Fort Union formation, diameter 8 inches, depth 69 feet. Highest water level 16.53 below lsd, June 9, 1952; lowest 24.82 below lsd, Oct. 9, 1950. Records available: 1938-42, 1944-52. June 9, 16.53; July 14, 16.83; Aug. 13, 17.13; Sept. 22, 16.83; Oct. 20, 17.33; Nov. 17, 17.33; Dec. 8, 17.63.

Burke County

159-91-4dd1. U. S. Fish and Wildlife Service. Jetted unused artesian well, diameter 2 inches, depth 200 feet. Highest water level 74.60 below lsd, Oct. 24, 1952; lowest 77.89 below lsd, Nov. 23, 1940. Records available: 1940-46, 1949-50, 1952. Oct. 24, 74.60.

160-91-21cd1. U. S. Fish and Wildlife Service. Jetted unused artesian well, diameter 2 inches, depth 90 feet. Highest water level 56.26 below lsd, Oct. 24, 1952; lowest 59.05 below lsd, Sept. 10, 1949. Records available: 1940-47, 1949-50, 1952. Oct. 24, 56.26.

162-89-5dd1. Mrs. P. M. Peterson. Drilled unused well, diameter 3 inches, depth 394 feet. Highest water level 68.84 below lsd, July 12, 1950; lowest 70.60 below lsd, Sept. 30, 1946. Records available: 1937-52. Apr. 23, 70.17; July 27, 69.94.

Burleigh County

141-80-35cc1. Celia DeLong. Dug well, size 36 by 36 inches, depth 19 feet. Highest water level 13.22 below lsd, Nov. 25, 1950; lowest 15.85 below lsd, Sept. 13, 1948. Records available: 1940-46, 1948-52. Apr. 25, 13.33; Aug. 3, 14.95; Aug. 9, 15.00; Sept. 24, 15.04.

Cass County

137-50-29dda5. City of Kindred. Drilled water-table well in glacial Lake Agassiz deposits, diameter 16 inches, depth 35 feet. Highest water level 2.68 below lsd, Apr. 11, 1952; lowest 9.70 below lsd, Oct. 29, 1948. Records available: 1948-52. Apr. 11, 2.68.

139-48-6ccd1. The Pierce Co. 1019 First Ave. North, Fargo. Drilled unused artesian well, diameter 6 inches, depth 403 feet. Granite reached at 280 feet; glacial drift aquifer at 180 feet. Highest water level 28.01 below lsd, July 3, 1940; lowest 42.39 below lsd, Oct. 3, 1941. Records available: 1940-52.

139-48-6ccd1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	35.63	.....	35.33	35.05	35.34	.....	.....	.....	35.73	35.70	35.39
2	.....	35.63	.....	35.34	35.05	35.33	.....	35.25	.....	35.73	35.67	35.37
3	.....	35.62	.....	35.34	35.05	35.34	.....	35.25	.....	35.74	35.66	35.36
4	36.00	35.62	.....	35.37	35.05	35.34	.....	35.23	.....	35.72	35.66	35.84
5	35.98	35.62	.....	35.38	35.05	35.33	.....	35.23	35.80	35.69	35.65	35.32
6	35.98	35.62	.....	35.39	35.08	35.31	.....	35.24	35.83	35.70	.....	35.31
7	35.96	35.61	h35.52	35.38	35.08	35.31	.....	35.25	35.83	35.70	.....	.....
8	35.92	35.65	.....	35.33	35.09	35.32	35.29	35.24	35.83	35.70	35.64	.....
9	35.91	35.65	.....	35.34	35.10	35.35	35.29	35.24	35.82	35.71	35.66	.....
10	35.91	35.63	.....	35.35	35.15	35.36	35.28	35.24	35.81	35.72	35.66	.....
11	35.88	35.61	.....	35.34	35.18	35.36	35.27	35.25	35.80	35.74	35.64	.....
12	35.89	35.61	.....	35.32	35.18	35.36	35.29	35.26	35.80	35.75	35.62	.....
13	35.89	35.62	.....	35.30	35.18	.....	35.29	35.26	35.79	35.76	35.61	.....
14	35.86	35.65	35.45	35.29	35.17	35.41	35.30	35.26	35.80	35.79	35.58	.....
15	35.83	35.65	35.46	35.27	.....	35.42	35.29	35.26	35.80	35.79	35.50	35.28
16	35.83	35.64	35.47	35.24	35.17	35.41	35.28	35.28	35.80	35.81	35.49	35.20
17	35.82	35.63	35.46	35.21	35.19	35.42	.....	35.30	35.79	35.84	35.48	35.27
18	35.81	35.62	35.42	35.17	35.22	35.44	.....	35.31	35.78	35.84	35.48	.....
19	35.79	35.62	35.38	35.09	35.22	35.47	.....	35.31	35.78	35.85	35.41	.....
20	35.82	35.61	35.36	35.06	35.22	35.47	.....	35.31	35.79	35.87	35.39	35.25
21	35.82	35.60	.....	35.04	35.20	35.48	35.18	35.33	35.79	35.86	35.40	35.25
22	35.78	35.60	35.42	35.03	35.20	35.48	35.18	35.36	35.79	35.84	35.46	35.25
23	35.77	35.57	35.41	35.04	35.22	35.48	35.20	35.39	35.78	35.83	35.47	35.21
24	35.77	35.57	35.37	35.04	.....	35.46	35.21	35.42	35.77	35.82	35.47	35.20
25	35.73	35.57	35.36	35.04	.....	35.46	35.21	35.49	35.76	.....	35.45	35.20
26	35.69	35.57	35.38	35.04	35.32	35.48	35.21	35.56	35.76	.....	35.44	35.19
27	35.70	35.53	35.38	35.03	35.31	35.52	35.24	35.61	35.77	.....	35.41	35.19
28	35.71	35.51	35.38	35.02	35.33	35.51	35.24	35.69	35.75	35.79	35.42	.....
29	35.71	35.53	35.36	35.03	35.33	35.51	35.24	35.74	35.75	35.79	35.42	.....
30	35.69		35.35	35.04	35.33	.....	35.25	35.77	35.75	35.77	.....	.....
31	35.64		35.34		35.33		35.25		.....	35.72		.....

h Tape measurement.

139-48-7acb1. City of Fargo. Island Park. Drilled unused artesian well in glacial drift, diameter 10 inches, depth 228 feet. Highest water level 36.68 below lsd, July 1, 1940; lowest 43.75 below lsd, June 10, 1948. Records available: 1940-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	42.61	Apr. 5	42.54	July 11	42.71	Oct. 10	42.90
11	42.65	26	42.69	18	42.72	17	42.80
18	42.61	May 3	42.75	25	42.72	24	42.91
25	42.33	9	42.72	Aug. 2	42.79	31	42.86
Feb. 2	42.54	16	42.69	9	42.79	Nov. 8	42.96
8	42.45	23	42.66	15	42.82	13	42.88
15	42.55	31	42.68	23	42.88	22	42.82
23	42.51	June 6	42.71	30	42.73	29	42.80
29	42.52	14	42.77	Sept. 6	42.84	Dec. 6	42.57
Mar. 7	42.51	21	42.81	13	42.84	13	42.15
14	42.52	28	42.77	20	42.90	21	42.76
22	42.48	July 5	42.57	26	42.87	27	42.72
29	42.43						

139-49-1cc1. City of Fargo. Drilled unused artesian well in glacial drift, diameter 8 inches, depth 196 feet. Highest water level 23.37 below lsd, Nov. 27, 1937; lowest 125.15 below lsd, Sept. 23, 1941. Records available: 1937-52.

Date											
Jan.	4	52.66	Apr.	5	51.31	July	5	51.94	Oct.	10	59.05
	11	53.45		12	51.18		11	53.16		17	56.23
	18	53.5.		22	51.69		18	53.63		24	54.31
	25	52.89		26	51.46		25	53.08		31	52.98
Feb.	2	51.98	May	3	52.89	Aug.	2	54.09	Nov.	8	52.66
	8	52.23		9	53.90		9	52.76		14	52.89
	16	51.82		16	65.15		15	54.20		22	52.28
	23	51.60		23	56.11		23	53.69		29	51.85
	29	52.15		31	53.66		30	60.84	Dec.	6	51.65
Mar.	7	51.69	June	6	56.78	Sept.	6	56.54		13	51.44
	14	51.70		14	54.76		12	55.21		21	51.40
	22	51.74		21	54.34		20	54.30		27	51.06
	29	52.33		28	53.38		26	53.80			

139-49-6ad1. Union Stockyards. Drilled unused artesian well in glacial drift, diameter 8 inches, depth 230 feet. Highest water level 24.90 below lsd, May 7, 1938; lowest 76.28 below lsd, Aug. 19, 1950. Records available: 1938-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	66.82	Apr. 5	65.10	July 5	65.41	Oct. 10	64.94
11	66.74	12	65.01	11	64.46	17	65.08
18	66.62	22	64.94	18	64.14	24	65.17
25	64.39	26	65.10	25	64.14	31	68.03
Feb. 2	66.21	May 3	65.47	Aug. 1	64.20	Nov. 6	64.07
8	66.24	9	65.23	9	64.04	14	68.08
16	65.93	16	66.83	15	67.39	22	63.31
23	65.75	23	65.21	23	64.02	29	65.15
29	64.96	31	65.12	30	64.18	Dec. 6	64.96
Mar. 7	65.34	June 6	68.72	Sept. 6	64.30	13	64.88
14	65.27	14	65.09	13	65.24	21	64.93
22	65.27	21	65.44	20	64.60	27	64.92
29	65.16	28	65.47	26	64.68		

Cavalier County

161-60-14cd1. City of Langdon. Dug water-table well in Pierre shale, diameter 12 feet, depth 43 feet. Highest water level 15.82 below lsd, June 23, 1945; lowest 42.21 below lsd, Feb. 9, 1938. Records available: 1937-52.

Jan. 5	18.13	Mar. 29	19.15	June 14	19.00	Aug. 30	19.01
12	18.28	Apr. 5	19.18	21	18.96	Sept. 6	19.21
19	18.28	12	19.02	28	18.83	13	19.11
26	18.46	19	19.04	July 5	18.73	20	19.37
Feb. 2	18.44	26	19.01	12	18.68	27	19.20
9	18.63	May 5	19.03	19	18.68	Oct. 4	19.31
16	18.78	10	19.11	26	18.73	11	19.41
23	18.88	17	19.15	Aug. 2	18.80	18	19.43
29	18.91	24	19.06	9	18.84	25	19.44
Mar. 8	18.97	31	19.07	16	18.90	Nov. 1	19.48
15	19.12	June 7	18.94	23	18.98	8	19.56
22	19.18						

161-60-14da1. City of Langdon. Dug water-table well in glacial drift, depth 27 feet. Highest water level 1.29 below lsd, May 22, 1948; lowest 14.13 below lsd, July 13, 1940. Records available: 1937-52.

Jan. 5	7.74	Apr. 5	10.68	July 5	5.18	Oct. 4	8.37
12	8.11	12	10.26	12	5.25	11	8.57
19	8.38	19	9.48	19	5.57	18	8.79
26	8.71	26	8.93	26	5.62	25	8.83
Feb. 2	8.98	May 5	8.66	Aug. 2	6.03	Nov. 1	8.92
9	9.33	10	8.60	9	6.33	8	9.02
16	9.61	17	8.46	16	6.76	15	9.12
23	9.78	24	8.28	23	7.15	22	9.19
29	9.93	31	8.12	30	7.48	29	9.28
Mar. 8	10.08	June 6	7.62	Sept. 6	7.56	Dec. 6	9.31
15	10.28	14	7.40	13	7.69	13	9.53
22	10.45	21	7.25	20	7.99	20	9.59
29	10.55	28	7.11	27	8.16	27	9.64

161-60-14dc1. City of Langdon. Dug water-table well in Pierre shale, diameter 21 feet, depth 49 feet. Highest water level 13.64 below lsd, May 3, 1941; lowest 48.77 below lsd, Jan. 29, 1938. Records available: 1937-52.

Jan. 5	20.49	Mar. 29	21.13	June 21	20.41	Sept. 6	21.11
12	20.65	Apr. 5	20.97	28	20.47	13	21.19
19	20.60	12	20.81	July 5	19.14	20	21.65
26	20.68	19	20.40	12	25.70	27	22.70
Feb. 2	19.73	26	19.84	19	22.27	Oct. 4	22.70
9	20.82	May 5	19.72	26	21.48	11	22.62
16	20.89	10	20.29	Aug. 2	20.85	18	22.72
23	20.93	17	19.91	9	21.14	25	22.48
29	20.95	24	20.70	16	21.15	Nov. 1	22.43
Mar. 8	21.05	31	20.28	23	21.47	8	22.83
15	21.11	June 7	19.67	30	21.65	15	22.95
22	21.13	14	20.07				

161-60-23bc1. City of Langdon. Dug water-table well in Pierre shale, size 10 by 10 feet, depth 52 feet. Highest water level 7.80 below lsd, Apr. 22, 1950; lowest 47.13 below lsd, Feb. 18, 1939. Records available: 1937-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	18.56	Mar. 29	22.15	June 14	11.67	Aug. 30	12.08
12	18.84	Apr. 5	11.13	21	12.07	Sept. 6	12.30
19	19.17	12	8.70	28	12.28	13	12.63
26	19.43	19	9.10	July 5	9.49	20	12.95
Feb. 2	19.73	26	9.59	12	9.77	27	13.28
9	20.04	May 5	10.24	19	10.05	Oct. 4	13.65
16	20.32	10	10.16	26	10.33	11	13.99
23	20.62	17	10.52	Aug. 2	10.72	18	14.70
29	20.93	24	10.75	9	11.02	25	14.58
Mar. 8	21.20	31	11.07	16	11.39	Nov. 1	14.88
15	21.50	June 6	11.31	23	11.76	8	15.19
22	21.81						

Dickey County

129-59-7ba1. D. C. Botts. Driven water-table well in glacial Lake Dakota deposits, diameter 1½ inches, depth 18 feet. Highest water level 4.84 below lsd, May 5, 1945; lowest 13.39 below lsd, Sept. 2, 1940. Records available: 1940-49, 1951-52. May 17, 11.24.

130-59-9bc1. H. G. Martin, administrator. Driven water-table well in glacial Lake Dakota deposits, diameter 1¼ inches, depth 17 feet. Highest water level 4.71 below lsd, May 5, 1945; lowest 14.17 below lsd, Sept. 12, 1940. Records available: 1940-52. May 17, 5.94.

131-59-28ba1. City of Oakes. Driven water-table well in glacial Lake Dakota deposits, diameter 1¼ inches, depth 24 feet. Highest water level 6.60 below lsd, May 17, 1948; lowest 10.71 below lsd, Jan. 2, 1940. Records available: 1940-52.

Jan. 7	9.70	May 5	8.70	July 28	9.38	Oct. 20	9.75
14	9.72	12	8.74	Aug. 4	9.46	27	9.79
28	9.75	19	8.82	11	9.52	Nov. 3	9.78
Feb. 4	9.74	26	8.90	18	9.58	10	9.78
Mar. 4	9.80	June 2	8.90	25	9.63	17	9.77
11	9.80	9	8.94	Sept. 1	9.64	24	9.76
18	9.77	16	9.05	8	9.70	Dec. 1	9.74
27	9.73	23	9.10	15	9.73	8	9.70
Apr. 7	8.85	30	9.11	22	9.75	15	9.74
14	8.60	July 7	9.24	29	9.80	22	9.77
21	8.38	14	9.25	Oct. 6	9.80	29	9.75
28	8.57	21	9.27	13	9.79		

131-59-33cc1. Lynus Sitts, Jr. Driven water-table well in glacial Lake Dakota deposits, diameter 1¼ inches, depth 15 feet. Highest water level 5.48 below lsd, May 5, 1945; lowest 12.58 below lsd, Sept. 7, 1940. Records available: 1940-50, 1952. May 17, 7.65.

Divide County

163-100-34aa1. A. U. Anderson. Drilled unused water-table well in glacial drift, diameter 22 inches, depth 23 feet. Highest water level 11.89 below lsd, July 12, 1944, lowest 16.68 below lsd, Oct. 25, 1941. Records available: 1940-46, 1949, 1951-52. Apr. 23, 12.98.

Dunn County

145-92-25ad1. S. F. Lesmeister. Dug water-table well in Fort Union formation, diameter 4 feet, depth 17 feet. Highest water level 4.50 below lsd, June 11, 1943; lowest 11.97 below lsd, Oct. 1, 1947. Records available: 1942-52.

Jan. 4	8.66	Mar. 14	9.57	May 23	8.87	Oct. 31	10.33
11	8.33	21	9.33	30	9.07	Nov. 7	10.08
18	9.18	28	9.02	June 6	9.02	14	9.98
25	9.03	Apr. 4	8.93	13	9.13	21	9.95
Feb. 1	8.74	11	8.97	20	9.33	28	9.92
8	8.87	18	8.79	27	9.31	Dec. 5	9.89
15	9.28	25	8.73	Oct. 3	10.48	12	9.82
22	9.47	May 2	8.62	10	10.87	19	9.86
29	9.87	9	8.57	17	10.80	26	9.99
Mar. 7	9.68	16	8.69	24	10.40		

Eddy County

150-66-9ba1. Elmer Moe. Dug water-table well in glacial drift, diameter 24 inches, depth 23 feet. Highest water level 17.48 below lsd, May 27, 1950; lowest 22.73 below lsd, Aug. 3, 1939. Records available: 1936, 1938-46, 1948-52. Apr. 11, 19.53; Oct. 29, 20.47.

150-66-9bd1. Gilbert Olson. Dug water-table well in glacial drift, depth 17 feet. Highest water level 12.59 below lsd, May 27, 1950; lowest 15.69 below lsd, Mar. 28, 1935. Records available: 1935-36, 1938-52. Apr. 11, 14.94.

150-66-9cd1. L. S. Rude. Dug water-table well in glacial drift, diameter 24 inches, depth 12 feet. Highest water level 6.99 below lsd, May 27, 1950; lowest 11.70 below lsd, Mar. 28, 1935. Records available: 1935-36, 1938-52. Apr. 11, 9.65; Oct. 29, 10.10.

Griggs County

144-59-20bc1. Griffith Loan & Investment Co. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 51 feet. Highest water level 15.68 below lsd, Oct. 20, 1951; lowest 27.95 below lsd, Apr. 6, 1941. Records available: 1940-52. Apr. 11, 19.24; Sept. 26, 17.95.

Hettinger County

133-93-5bd1. L. F. Everhart. Drilled unused water-table well in Fort Union formation, diameter 6 inches, depth 50 feet. Highest water level 48.32 below lsd, Oct. 15, 1946; lowest dry, Aug. 13, 1942. Records available: 1938-42, 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 12	45.90	July 18	49.40	Sept. 23	49.40	Nov. 20	49.20
June 11	46.20	Aug. 20	49.50	Oct. 22	49.40	Dec. 11	49.10

Kidder County

138-73-9cc1. Herman Peterson. Drilled unused well, diameter $2\frac{1}{2}$ inches, depth 120 feet. Highest water level 5.57 below lsd, Oct. 26, 1948; lowest 8.97 below lsd, June 7, 1949. Records available: 1937-52. May 4, 6.51; Sept. 26, 7.37.

139-71-10bc1. Village of Tappen. Dug water-table well in glacial drift, diameter 8 feet, depth 15 feet. Highest water level 3.69 below lsd, May 26, 1950; lowest 12.46 below lsd, Feb. 1, 1941. Records available: 1940-52. May 4, 5.00; Sept. 26, 7.32.

139-71-27cc1. Philip Mitteleider. Dug water-table well in glacial drift, diameter 37 inches, depth 10 feet. Highest water level 1.51 above lsd, May 26, 1950; lowest 9.81 below lsd, July 25, 1940. Records available: 1940-52. May 4, +0.57.

142-70-23ab1. Mrs. Fagereng. Drilled water-table well in glacial drift, diameter 18 to 12 inches. Highest water level 13.98 below lsd, June 16, 1948; lowest 23.93 below lsd, July 26, 1940. Records available: 1940-52. May 4, 20.53.

La Moure County

133-64-3bc1. City of Edgeley. Drilled unused water-table well in Pierre shale, diameter 6 inches, depth 92 feet. Highest water level 23.58 below lsd, June 14, 1948; lowest 28.05 below lsd, Aug. 29, 1946. Records available: 1940-52. May 3, 26.18.

McHenry County

152-79-6bc1. Minneapolis, St. Paul, & Sault Ste. Marie Railroad. Dug water-table well in glacial drift, diameter 10 feet, depth 23 feet. Highest water level 9.42 below lsd, July 15, 1951; lowest 22.86 below lsd, Nov. 10, 1940. Records available: 1940-48, 1950-52. Apr. 5, 11.96; Apr. 24, 11.09.

156-78-36bc1. Denbigh Forest Experimental Station well 1. U. S. Forest Service. Dug unused water-table well in glacial Lake Souris deposits, size 4 by 4 feet, depth 12 feet. Highest water level 1.34 below lsd, Sept. 21, 1948; lowest 8.18 below lsd, Nov. 15, 1940. Records available: 1932-41, 1943-52. May 16, 4.07; Sept. 24, 4.78.

156-78-36bc2. Denbigh Forest Experimental Station well 2. U. S. Forest Service. Dug unused water-table well in glacial Lake Souris deposits, size 4 by 4 feet, depth 12 feet. Highest water level 0.90 below lsd, May 16, 1952; lowest 9.06 below lsd, Nov. 15, 1940. Records available: 1932-41, 1943-52. May 16, 0.90.

156-78-36bc3. Denbigh Forest Experimental Station well 3. U. S. Forest Service. Dug unused water-table well in glacial Lake Souris deposits, size 4 by 4 feet, depth 12 feet. Highest water level 1.47 below lsd, June 20, 1951; lowest 8.30 below lsd, Nov. 15, 1940. Records available: 1932-41, 1945-48, 1951-52. May 16, 3.18.

156-78-36bc4. Denbigh Forest Experimental Station well 4. U. S. Forest Service. Dug unused water-table well in glacial Lake Souris deposits, size 4 by 4 feet, depth 10 feet. Highest water level 1.24 below lsd, June 20, 1951; lowest dry, Apr. 20, 1940. Records available: 1932-41, 1943-48, 1951-52. May 16, 2.83.

156-78-36dd1. Denbigh Forest Experimental Station well 5. U. S. Forest Service. Dug unused water-table well in glacial Lake Souris deposits, size 4 by 4 feet, depth 10 feet. Highest water level 2.24 below lsd, June 20, 1951; lowest 8.41 below lsd, Nov. 15, 1941. Records available: 1932-41, 1944-47, 1951-52. May 16, 2.65.

156-79-33dc1. Harold H. Sullwold. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 38 feet. Highest water level 4.68 below lsd, May 24, 1950; lowest 14.62 below lsd, Nov. 11, 1940. Records available: 1940-52. Apr. 5, 8.75; Sept. 24, 9.65; Oct. 6, 9.83.

157-75-31dc1. U. S. Forest Service. Dug water-table well in glacial drift, diameter 12 inches, depth 12 feet. Highest water level 2.11 below lsd, June 23, 1943; lowest 8.08 below lsd, Aug. 1, 1940. Records available: 1940-50, 1952. Sept. 23, 3.51.

McIntosh County

132-71-15aa1. City of Wishek. Dug water-table well in glacial drift, diameter 6 feet, depth 27 feet. Highest water level 19.09 below lsd, Oct. 7, 1944; lowest 25.03 below lsd, Sept. 15, 1948. Records available: 1940-46, 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	23.09	Apr. 15	22.67	July 7	23.01	Sept. 27	23.57
14	23.05	22	22.68	14	23.01	Oct. 6	23.55
21	23.09	29	22.73	21	22.94	13	23.56
Feb. 4	23.13	May 5	22.81	28	23.38	Nov. 10	23.55
11	23.16	12	22.71	Aug. 5	23.58	17	23.58
18	23.16	19	22.94	12	23.66	24	23.54
26	23.19	June 2	22.75	20	23.79	Dec. 4	23.74
Mar. 10	23.20	9	23.32	26	23.58	9	23.64
25	23.22	18	23.55	Sept. 1	23.48	15	23.64
Apr. 1	23.21	23	23.24	15	23.50	22	23.69
7	23.07	30	22.97	22	23.44	29	23.95

132-71-24ad1. Federal Land Bank. Driven water-table well in glacial drift, diameter 1½ inches, depth 14 feet. Highest water level 2.09 below lsd, Oct. 27, 1951; lowest 11.01 below lsd, Nov. 23, 1940. Records available: 1940-52. May 3, 6.15.

McKenzie County

150-100-12cc1. Chas. E. Fleck. Drilled water-table well in Fort Union formation, diameter 6 inches, depth 138 feet. Highest water level 113.09 below lsd, Dec. 6, 1952; lowest 114.94 below lsd, Mar. 31, 1945. Records available: 1938-52.

Jan. 5	113.40	Apr. 19	113.21	July 12	113.37	Oct. 4	113.38
12	113.27	26	113.18	20	113.21	11	113.10
19	113.60	May 3	113.17	26	113.37	18	113.39
Feb. 2	113.25	10	113.35	Aug. 2	113.23	25	113.31
9	113.16	17	113.39	9	113.22	Nov. 1	113.31
16	113.24	24	113.42	16	113.35	8	113.53
23	113.45	31	113.44	23	113.25	15	113.15
Mar. 1	113.37	June 7	113.38	30	113.30	29	113.38
8	113.09	14	113.38	Sept. 6	113.25	Dec. 6	113.09
29	113.35	21	113.28	13	113.51	13	113.41
Apr. 5	113.39	28	113.38	20	113.39	20	113.25
12	113.45	July 5	113.18	27	113.17	27	113.16

McLean County

149-84-15bc1. State of North Dakota. Drilled unused water-table well in Fort Union formation, diameter 6 inches, depth 62 feet. Highest water level 40.66 below lsd, June 25, 1951; lowest 47.43 below lsd, Mar. 22, 1941. Records available: 1937-49, 1951-52. Apr. 24, 41.23; Aug. 3, 40.81.

Morton County

136-81-6dc1. Joe Lanz, Jr. Drilled water-table well in Hell Creek formation, diameter 24 inches, depth 67 feet. Highest water level 20.14 below lsd, July 10, 1950; lowest 25.23 below lsd, Apr. 15, 1941. Records available: 1941-52. Sept. 25, 20.86.

139-85-15cc1. Fred Lehde. Drilled unused water-table well in Hell Creek formation, diameter 24 to 16 inches, depth 72 feet. Highest water level 28.97 below lsd, Apr. 7, 1951; lowest 43.93 below lsd, Dec. 27, 1952. Records available: 1941-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	33.14	Apr. 19	31.41	July 21	36.56	Oct. 11	41.16
12	33.32	28	31.35	26	36.81	18	41.43
26	33.51	May 5	31.46	Aug. 2	37.27	25	41.71
Feb. 3	33.62	10	31.66	9	37.63	Nov. 1	42.00
9	33.87	17	31.89	16	38.07	8	42.32
16	34.05	24	31.97	23	38.59	15	42.63
24	34.34	31	32.17	30	38.98	23	43.00
Mar. 3	34.51	June 7	32.63	Sept. 7	39.54	29	43.24
10	34.65	14	33.23	13	39.89	Dec. 6	43.42
15	34.76	21	33.98	20	40.24	13	43.59
22	34.84	28	34.71	27	40.59	22	43.83
Apr. 6	30.13	July 12	36.02	Oct. 4	40.89	27	43.93
12	30.49						

Mountrail County

152-89-6aa1. Emil Molter. Drilled unused water-table well, diameter 24 inches, depth 64 feet. Highest water level 41.22 below lsd, July 14, 1951; lowest 48.28 below lsd, July 10, 1944. Records available: 1936-47, 1949, 1951-52. Apr. 24, 44.78.

Nelson County

153-58-32dbb. Michigan City. Drilled unused artesian well in Pierre shale, diameter 5 inches, depth 120 feet. Water level affected by pumping of city supply wells. Highest water level 11.80 below lsd, June 23, 1950; lowest 21.70 below lsd, Dec. 23, 1952. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 24, 1948	13.70	Apr. 13, 1950	16.40	Oct. 29, 1950	15.80	Sept. 5, 1952	20.20
Oct. 2	16.06	21	15.90	June 5, 1951	17.46	13	20.00
July 14, 1949	13.12	28	15.90	Nov. 4	16.85	20	20.10
Oct. 5	15.73	May 6	15.00	Feb. 13, 1952	17.20	29	20.50
Dec. 29	15.67	12	14.50	Mar. 10	17.70	Oct. 7	21.20
Jan. 12, 1950	15.75	18	13.90	Apr. 9	17.80	14	21.10
19	16.00	26	14.10	15	17.50	21	21.00
Feb. 3	16.55	June 5	13.60	May 1	19.10	28	21.20
9	15.80	10	13.40	10	18.70	Nov. 4	21.10
16	17.10	17	13.30	15	19.10	11	21.00
Mar. 3	16.00	23	11.80	24	19.30	18	21.10
10	16.30	July 1	13.40	29	19.30	Dec. 2	20.09
16	16.40	8	13.60	June 7	19.30	9	20.70
23	17.00	14	13.90	16	18.90	16	20.30
31	16.50	24	12.60	Aug. 21	19.50	23	21.70
Apr. 6	16.10	29	14.10	29	20.20		

153-60-35aaa. U. S. Geol. Survey. Drilled unused artesian well in glacial drift, diameter 1¼ inches, depth 60 feet. Water level affected by pumping of nearby municipal well. Highest water level 10.25 below lsd, June 12, 1951; lowest 14.70 below lsd, Oct. 27, 1952. Records available: 1949-52.

Nov. 24, 1949	12.04	June 5, 1951	10.45	Aug. 12, 1952	13.40	Sept. 29, 1952	14.19
Sept. 13, 1950	12.27	12	10.25	Sept. 12	13.98	Oct. 6	14.11
Nov. 4	12.51	Apr. 13, 1952	14.68	23	13.30	27	14.70
Mar. 23, 1951	12.58						

153-60-35ccc. U. S. Geol. Survey. Drilled unused artesian well in glacial drift, diameter 1¼ inches, depth 64 feet. Highest water level 10.42 below lsd, Apr. 25, 1949; lowest 16.82 below lsd, Mar. 23, 1951. Records available: 1948-52.

153-60-35ccc--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 24, 1948	13.60	Sept. 13, 1950	12.81	June 12, 1951	14.14	Sept. 12, 1952	14.81
Oct. 2	15.96	Nov. 4	13.17	Nov. 10	14.40	23	14.57
Apr. 22, 1949	11.08	Feb. 20, 1951	14.88	Dec. 29	15.57	29	14.52
23	10.60	Mar. 22	16.62	Apr. 5, 1952	15.35	Oct. 6	14.64
25	10.42	23	16.82	13	15.21	27	14.84
Nov. 25	14.96	June 5	14.23	Aug. 12	13.19		

Pembina County

160-56-8dca1. Paul B. Olafson. Dug water-table well in glacial Lake Agassiz deposits, diameter 4 feet, depth 10 feet. Highest water level 2.88 below lsd, May 20, 1946; lowest 7.55 below lsd, Aug. 26, 1946. Records available: 1946-52. Apr. 14, 5.13.

160-56-9dcc1. J. Anderson. Dug water-table well in glacial Lake Agassiz deposits, diameter 40 inches, depth 18 feet. Highest water level 4.60 below lsd, Aug. 1, 1950; lowest 7.13 below lsd, Nov. 17, 1951. Records available: 1946-52. Apr. 14, 8.19.

160-56-16aaa1. S. J. Hanson. Dug water-table well in glacial Lake Agassiz deposits, depth 12 feet. Highest water level 5.31 below lsd, May 22, 1951; lowest 8.85 below lsd, Sept. 16, 1947. Records available: 1946-52. Apr. 14, 8.73.

160-56-16aab1. S. J. Hallgrimson. Dug water-table well in glacial Lake Agassiz deposits, depth 22 feet. Highest water level 5.40 below lsd, Aug. 1, 1950; lowest 11.97 below lsd, Sept. 16, 1947. Records available: 1946-52. Apr. 14, 9.44.

160-56-16aab4. H. J. Hjaltalin. Dug water-table well in glacial Lake Agassiz deposits, diameter 5 feet, depth 17 feet. Highest water level 4.50 below lsd, Aug. 24, 1946; lowest 11.70 below lsd, Sept. 24, 1946. Records available: 1946-52. Apr. 14, 8.81.

161-56-22bb1. E. J. Lander Co. Dug water-table well in glacial Lake Agassiz deposits, diameter 5 feet, depth 14 feet. Highest water level 3.02 below lsd, May 20, 1950; lowest 11.76 below lsd, Apr. 26, 1941. Records available: 1941-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	8.38	Apr. 5	8.83	July 5	8.96	Oct. 4	10.04
12	8.40	12	8.63	12	9.08	11	10.08
19	8.52	19	8.61	19	9.18	18	10.13
26	8.54	26	8.31	26	9.29	25	10.14
Feb. 2	8.57	May 3	8.06	Aug. 2	9.49	Nov. 1	10.18
9	8.61	10	7.85	9	9.59	8	10.19
16	8.63	17	7.87	16	9.66	15	10.23
23	8.82	24	8.03	23	9.70	22	10.27
Mar. 1	8.90	31	8.21	30	9.78	29	10.29
8	8.97	June 7	8.36	Sept. 6	9.84	Dec. 6	10.30
15	8.98	14	9.00	13	9.89	13	10.34
22	8.99	21	8.73	20	9.95	20	10.34
29	8.99	28	8.89	27	9.95	27	10.34

162-53-31cc1. Garnett A. Snell. Dug water-table well in glacial Lake Agassiz deposits, size 4 by 4 feet, depth 17 feet. Highest water level 3.92 below lsd, May 20, 1950; lowest 12.07 below l[illegible], Oct. 2, 1943. Records available: 1941-52.

Jan. 5	9.69	Apr. 5	10.42	July 5	10.32	Oct. 4	11.45
12	9.82	12	10.27	12	10.45	11	11.37
19	9.87	19	10.17	19	10.58	18	11.33
26	9.99	26	10.05	26	10.71	25	11.30
Feb. 2	10.00	May 3	9.98	Aug. 2	10.69	Nov. 1	11.28
9	10.14	10	9.93	9	10.91	8	11.26
16	10.08	17	9.80	16	10.95	15	11.24
23	10.21	24	9.74	23	11.01	22	11.24
Mar. 1	10.24	31	9.74	30	11.15	29	11.26
8	10.27	June 7	9.78	Sept. 6	11.22	Dec. 6	11.20
15	10.36	14	9.98	13	11.32	13	11.23
22	10.40	21	10.10	20	11.34	20	11.29
29	10.40	28	10.21	27	11.40	27	11.19

162-55-3dd1. Albert C. McCurdy. Dug unused water-table well in glacial Lake Agassiz deposits, diameter 5 feet, depth 17 feet. Highest water level 2.88 below lsd, May 19, 1950; lowest 11.98 below lsd, Apr. 1, 1944. Records available: 1941-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	9.22	Apr. 6	10.84	July 6	9.05	Oct. 12	11.07
13	9.13	13	10.60	13	9.09	19	11.13
20	9.29	20	10.39	27	9.36	26	11.14
27	10.00	27	10.18	Aug. 3	9.53	Nov. 2	11.18
Feb. 3	10.13	May 4	9.86	10	9.20	9	11.21
10	10.16	11	9.40	17	9.98	16	11.26
17	10.17	18	9.09	24	10.22	23	11.30
24	10.41	25	8.97	31	10.42	30	11.30
Mar. 2	10.35	June 1	8.97	Sept. 7	10.01	Dec. 7	11.29
9	10.63	8	8.95	14	10.77	14	11.33
16	11.71	15	9.01	21	11.70	21	11.33
23	10.87	22	9.05	28	10.95	27	11.36
30	10.86	29	9.10	Oct. 5	11.05		

Ramsey County

153-64-2da2. Howard Maher. Drilled unused artesian (?) well in Pierre shale, diameter 4 inches, depth 67 feet. Highest water level 2.98 below lsd, Oct. 23, 1950; lowest 5.56 below lsd, Oct. 28, 1952. Records available: 1950-52. Apr. 11, 4.77; Oct. 28, 5.56.

153-64-5aa1. Ray Young. Dug water-table well in glacial drift, diameter 4 feet, depth 45 feet. Highest water level 20.60 below lsd, May 24, 1950; lowest 32.31 below lsd, June 22, 1944. Records available: 1942-50, 1952. Apr. 12, 23.05.

153-64-19da1. Camp Grafton Military Reserve. Drilled water-table well in glacial drift, diameter 4 inches, depth 148 feet. Highest water level 49.96 below lsd, Apr. 11, 1952; lowest 59.44 below lsd, May 29, 1951. Records available: 1943-52. Apr. 11, 49.96.

153-65-14ac1. Mrs. Bonnie Boland. Drilled unused artesian well in glacial drift, diameter 4 inches, depth 285 feet. Highest water level 50.27 below lsd, Apr. 12, 1952; lowest 59.32 below lsd, Oct. 14, 1944. Records available: 1937-52. Apr. 12, 50.27; Sept. 12, 52.41.

154-64-34ddd6. Fairmount Foods Co. Drilled unused artesian (?) well in Pierre shale, diameter 6 inches, depth 112 feet. Highest water level 51.09 below lsd, Oct. 10, 1950; lowest 62.34 below lsd, Nov. 15, 1950. Records available: 1950-51. No measurement made in 1952.

154-64-35cbc. William Johnson. Drilled unused artesian (?) well in Pierre shale, diameter 4 inches, depth 91 feet. Highest water level 27.79 below lsd, Oct. 23, 1950; lowest 31.92 below lsd, Nov. 24, 1952. Records available: 1950-52. Apr. 11, 31.30; Nov. 24, 31.92.

Renville County

161-85-20aa1. Minnesota Trust Co. Drilled unused well in Fort Union formation, diameter 4 inches, depth 400 feet. Highest water level 77.46 below lsd, June 21, 1951; lowest 83.04 below lsd, Sept. 26, 1946. Records available: 1937-52. July 27, 82.22; Oct. 24, 82.52.

Richland County

133-52-32cd1. Owner unknown. Driven water-table well in glacial Lake Agassiz deposits, diameter 1½ inches, depth 20 feet. Highest water level 3.58 below lsd, Apr. 16, 1946; lowest 7.76 below lsd, June 13, 1948. Records available: 1946-51. No measurement made in 1952.

133-52-33cdd. John Liljemark. Driven water-table well in glacial Lake Agassiz deposits, diameter 1½ inches, depth 20 feet. Highest water level 0.75 below lsd, June 27, 1943; lowest 8.63 below lsd, Mar. 16, 1946. Records available: 1937-52.

Jan. 5	6.60	Mar. 22	6.43	Aug. 2	6.68	Oct. 18	7.68
12	6.68	29	6.27	9	6.64	25	7.68
19	6.77	Apr. 5	5.43	16	6.93	Nov. 1	7.60
26	6.85	12	2.52	23	7.10	8	7.60
Feb. 2	6.89	19	1.52	30	7.27	15	7.60
9	6.85	26	1.77	Sept. 6	7.35	22	6.93
16	6.93	May 3	2.02	13	7.43	29	6.85
23	6.93	10	3.35	20	7.52	Dec. 6	6.93
Mar. 1	6.68	17	3.77	27	7.60	13	7.85
8	6.60	July 19	7.02	Oct. 4	7.64	20	6.99
15	6.52	26	6.18	11	7.68	27	6.97

Sheridan County

145-75-28bb1. Bank of North Dakota. Drilled well, diameter 2 inches, reported depth 300 feet. Highest water level 50.72 below lsd, Apr. 24, 1952; lowest 56.51 below lsd, Oct. 26, 1940. Records available: 1938-47, 1949,.1952. Apr. 24, 50.72; Oct. 30, 51.20.

Slope County

134-100-14ad1. Arthur Nesseth. Drilled water-table well in Fort Union formation, diameter 24 inches, depth 67 feet. Highest water level 14.07 below lsd, Oct. 7, 1947; lowest 18.91 below lsd, Apr. 17, 1941. Records available: 1940-48, 1951-52. June 9, 15.90; July 14, 16.00; Aug. 13, 15.92; Sept. 22, 16.10; Oct. 20, 15.95; Nov. 17, 15.85; Dec. 8, 15.90.

Stark County

139-91-2baa. Roland and George Funk. Dug unused water-table well in Fort Union formation, diameter 42 inches, depth 17 feet. Highest water level 2.33 below lsd, July 9, 1944; lowest 5.09 below lsd, Sept. 25, 1952. Records available: 1940-50, 1952. Sept. 25, 5.09; Oct. 30, 4.32.

139-96-3bbc1. City of Dickinson. Drilled water-table well in Fort Union formation, diameter 8 inches, depth 191 feet. Water level affected by pumping nearby city supply well. Highest water level 53.51 below lsd, Jan. 15, 1945; lowest 145.06 below lsd, Apr. 17, 1950. Records available: 1947-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	139.22	139.18	142.65	143.85	129.18	111.02	131.70	.....	114.10	108.00	.....
2	137.43	139.38	134.18	142.66	143.90	122.40	110.88	134.00	.....	107.00	102.25	.....
3	137.92	139.44	138.68	142.90	143.90	121.72	110.85	130.20	.....	104.30	.....	110.32
4	136.73	136.60	138.80	142.98	144.20	120.18	110.60	126.45	.....	112.22	101.31	.....
5	137.78	137.48	139.50	142.98	144.28	120.15	110.20	126.76	.....	106.05	.....	.....
6	137.80	138.10	139.90	142.72	144.22	119.58	110.19	127.10	108.85	.....	.....	.....
7	137.15	137.50	140.02	142.70	144.32	118.74	110.19	129.70	108.50	.....	.....	.....
8	136.40	138.14	139.25	143.10	144.38	118.57	110.00	119.25	107.50	.....	.....	.....
9	137.22	137.93	139.80	143.22	144.64	118.10	109.65	115.95	106.96	108.78	.....	124.30
10	132.00	138.48	140.38	143.18	146.54	117.64	109.30	113.70	106.20	103.84	.....	125.65
11	136.80	137.82	140.65	142.94	146.45	117.00	109.27	112.94	105.90	111.18	.....	126.00
12	137.10	138.10	140.90	143.30	146.50	116.55	109.13	112.10	105.50	104.65	.....	126.45
13	137.22	138.58	141.20	143.40	146.42	116.18	109.12	110.68	115.00	103.80	101.60	129.55
14	135.98	138.72	141.40	143.35	144.40	115.96	109.85	109.80	.....	103.75	.....	129.88
15	137.53	138.80	141.50	142.65	144.53	115.40	108.15	109.38	119.90	103.30	.....	129.00
16	137.70	133.38	141.45	142.95	144.57	115.08	130.10	115.55	122.55	103.15	.....	129.05
17	137.83	138.00	141.15	143.02	143.89	114.80	111.10	109.40	111.90	.....	.....	129.15
18	138.05	135.62	141.42	142.90	137.10	114.69	109.68	108.68	110.10	109.70	.....	129.15
19	138.00	137.80	141.65	143.13	133.80	114.45	115.28	108.20	108.20	103.60	.....	129.10
20	138.18	138.26	141.95	143.40	132.22	113.80	116.80	107.90	113.75	103.16	.....	130.50
21	137.50	.....	142.20	143.60	130.95	113.50	116.23	107.80	107.38	102.60	.....	130.90
22	138.53	.....	142.17	143.68	130.15	113.20	116.10	107.50	113.70	102.69	.....	132.05
23	138.70	.....	142.00	143.62	129.45	112.80	116.50	114.00	106.40	102.58	.....	132.60
24	138.71	.....	141.90	143.78	128.60	112.60	116.88	107.16	105.60	102.20	.....	133.40
25	139.10	.....	142.00	143.76	126.07	112.40	116.78	106.78	105.20	109.50	.....	130.80
26	139.60	138.90	.....	143.60	125.03	112.35	117.10	106.68	104.83	102.60	.....	131.30
27	139.80	139.40	142.10	143.61	124.50	112.10	.....	106.65	111.35	102.65	.....	131.80
28	137.60	139.60	142.10	143.56	123.99	111.68	125.28	106.60	104.80	102.60	.....	130.80
29	137.75	139.10	142.12	143.90	122.91	111.68	124.60	.....	121.50	102.05	.....	130.50
30	138.22		142.20	144.02	121.92	111.19	121.90	.....	122.18	101.55	.....	130.10
31	139.10		142.45		123.18		131.60	.....		101.62		130.70

Towner County

158-66-20d1. S. L. Isaacson. Dug water-table well in glacial drift, diameter 4 feet, depth 30 feet. Highest water level 13.67 below lsd, June 19, 1951; lowest 27.31 below lsd, Sept. 11, 1952. Records available: 1942-44, 1947-52. Sept. 11, 27.31.

160-66-28ba1. Bank of North Dakota. Drilled unused water-table well in glacial drift, diameter 4 inches, depth 135 feet. Highest water level 13.84 below lsd, Aug. 20, 1949; lowest 17.15 below lsd, Dec. 26, 1942. Records available: 1937-52.

160-66-28ba1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	14.09	Apr. 5	13.94	July 5	14.13	Oct. 7	14.14
12	14.09	12	13.96	12	14.11	11	14.16
19	14.09	19	13.96	19	14.11	18	14.18
26	14.07	26	13.98	26	14.11	25	14.20
Feb. 2	14.07	May 3	14.03	Aug. 2	14.09	Nov. 1	14.22
9	14.07	10	14.01	9	14.09	8	14.24
16	14.05	17	14.05	16	14.09	15	14.26
23	14.03	24	14.07	23	14.07	22	14.28
Mar. 1	14.01	31	14.09	30	14.07	29	14.27
8	13.98	June 7	14.09	Sept. 6	14.05	Dec. 6	14.26
15	13.96	14	14.11	13	14.05	13	14.27
22	13.94	21	14.13	20	14.09	20	14.28
29	13.92	28	14.13	27	14.11	27	14.29

Traill County

148-53-18aa1. City of Hatton. Dug water-table well in glacial drift, diameter 6 feet, depth 31 feet. Highest water level 4.22 below lsd, June 3, 1950; lowest 27.17 below lsd, Sept. 29, 1940. Records available: 1937-51. No measurement made in 1952.

148-53-18ab1. City of Hatton. Dug water-table well in glacial drift, diameter 5 feet, depth 38 feet. Highest water level 3.33 below lsd, June 3, 1950; lowest 25.63 below lsd, Sept. 14, 1940. Records available: 1938-52. July 5, 9.78; July 20, 9.62; July 26, 9.75; Aug. 23, 10.43; Aug. 30, 10.57; Sept. 6, 10.91; Sept. 20, 10.81.

148-53-18ad3. City of Hatton. Dug water-table well in glacial drift, diameter 5 feet, depth 45 feet. Highest water level 3.24 below lsd, June 25, 1950; lowest 34.40 below lsd, Sept. 2, 1939. Records available: 1938-52. July 5, 8.12; July 20, 8.80; July 26, 8.59; Aug. 23, 10.48; Aug. 30, 11.09; Sept. 6, 9.90; Sept. 20, 11.19.

Walsh County

157-51-16dc2. Henry Dipple. Dug water-table well in glacial Lake Agassiz deposits, diameter 4 feet, depth 16 feet. Highest water level 0.12 below lsd, Apr. 12, 1941; lowest 12.09 below lsd, Mar. 11, 1939. Records available: 1937-52. Apr. 14, 8.02.

157-55-17cc1. C. D. Lewis. Dug unused water-table well in glacial Lake Agassiz deposits, diameter 36 inches, depth 9 feet. Highest water level 1.37 below lsd, Apr. 24, 1948; lowest dry, Sept. 10, 1938. Records available: 1937-38, 1946-52. Apr. 14, 8.16; Nov. 5, 6.50.

157-55-17cd1. C. D. Lewis. Driven unused water-table well in glacial Lake Agassiz deposits, diameter $1\frac{1}{2}$ inches, depth 15 feet. Highest water level 1.38 below lsd, June 12, 1943; lowest 10.47 below lsd, Nov. 11, 1938. Records available: 1938-52. Apr. 14, 2.61; Nov. 5, 7.85.

Ward County

155-83-23baa1. City of Minot. Drilled unused artesian well in glacial drift, diameter 12 inches, depth 132 feet. Highest water level 39.40 below lsd, June 9, 1945; lowest 55.54 below lsd, July 25, 1951. Records available: 1944-52.

Daily lowest water level from recorder graph*

Day	Feb.	Mar.	Apr.	Sept.	Oct.	Nov.	Dec.
1	.....	46.88	e44.00	.....	54.03	e49.50	.....
2	44.97	47.33	e44.00	.....	53.97	e50.00	.....
3	44.77	47.03	e44.00	.....	54.06	.....	51.45
4	44.64	46.88	e44.00	.....	54.68	.....	43.63
5	44.75	44.33	e44.00	.....	51.93	.....	41.66
6	44.85	44.00	44.30	.....	53.58	.....	41.41
7	44.88	44.00	44.24	.....	53.68	.....	41.34
8	44.96	44.00	44.31	.....	43.03	.....	41.25
9	44.93	44.00	44.11	.....	42.65	e51.00	41.23
10	44.94	44.00	44.04	.....	42.41	e50.50	41.07
11	44.27	44.50	.....	.....	42.41	e50.50	41.01
12	44.88	45.00	.....	.....	42.45	e51.00	51.88
13	44.72	45.50	.....	.....	42.03	e50.50	52.03
14	44.78	44.00	.....	.....	42.02	e50.50	52.18
15	44.76	44.00	.....	.....	41.84	e50.50	52.63

155-83-23baa1--Continued.

Day	Feb.	Mar.	Apr.	Sept.	Oct.	Nov.	Dec.
16	44.80	44.00	.....	.....	41.76	e50.50	53.68
17	44.08	44.00	.....	.....	41.76	e50.50	52.45
18	44.03	44.00	.....	.....	41.62	e50.50	52.78
19	44.88	44.00	.....	.....	41.62	e51.00	52.68
20	51.28	44.00	.....	.....	.....	e50.50	52.98
21	44.80	44.00	.....	.....	.....	e51.00	52.98
22	51.23	44.00	.....	.....	.....	e51.00	52.95
23	44.95	44.00	.....	.....	.....	e51.50	52.98
24	51.30	44.00	.....	54.06	.....	e51.00	53.18
25	51.30	44.00	.....	.....	.....	e51.50	52.63
26	44.98	44.00	.....	.....	.....	e51.00	53.03
27	44.95	44.00	.....	.....	e51.50	e51.00	53.33
28	52.00	44.00	.....	.....	e50.50	e51.00	53.45
29	41.23	44.00	.....	.....	e50.00	e51.00	.....
30		44.00	.....	.....	e50.00	.....	.....
31		e45.00			e50.00		.....

* No record for January, May, June, July, and August.
e Estimated.

Wells County

150-72-21cd1. City of Harvey. Drilled water-table well in glacial drift, diameter 26 inches, depth 40 feet. Highest water level 0.22 above lsd, May 8, 1945; lowest 15.48 below lsd, Mar. 18, 1937. Records available: 1937-50. No measurement made in 1952.

150-72-28ba1. City of Harvey. Drilled water-table well in glacial drift, diameter 26 inches, depth 40 feet. Highest water level 0.44 below lsd, July 16, 1951; lowest 20.17 below lsd, Aug. 31, 1944. Records available: 1937-48, 1950-52. May 4, 6.22; Oct. 29, 4.08.

Williams County

159-103-24da1. Hans O. Lottestad. Dug water-table well in glacial drift, diameter 18 inches, depth 43 feet. Highest water level 8.74 below lsd, Apr. 19, 1947; lowest 39.66 below lsd, Mar. 15, 1941. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	22.16	Apr. 6	24.29	July 6	16.23	Oct. 5	19.87
13	22.31	13	18.24	13	16.57	12	20.08
20	22.49	20	16.61	20	16.91	19	20.26
27	22.64	27	12.78	27	17.28	26	20.24
Feb. 3	22.83	May 4	12.91	Aug. 3	17.53	Nov. 2	20.64
10	23.03	11	12.36	10	18.84	9	20.82
17	23.19	18	12.71	17	18.02	16	20.98
24	23.38	25	13.16	24	18.32	23	21.18
Mar. 2	23.53	June 1	13.46	31	18.53	30	21.47
9	23.68	8	14.02	Sept. 7	18.82	Dec. 7	21.51
16	23.83	15	14.58	14	19.09	14	21.84
23	23.93	22	14.94	21	19.35	21	22.01
30	24.15	29	15.40	28	19.35	28	22.20

159-103-24da2. Hans O. Lottestad. Dug water-table well in glacial drift, size 24 by 24 inches, depth 36 feet. Highest water level 5.65 below lsd, June 20, 1943; lowest 39.01 below lsd, Dec. 28, 1940. Records available: 1938-52.

Jan. 6	15.62	Apr. 6	17.62	July 6	12.16	Oct. 5	15.23
13	15.75	13	14.11	13	12.29	12	15.40
20	15.97	20	10.90	20	12.55	19	15.54
27	16.14	27	7.57	27	12.79	26	15.71
Feb. 3	16.30	May 4	7.67	Aug. 3	12.97	Nov. 2	15.86
10	16.48	11	10.12	10	13.26	9	16.13
17	16.60	18	10.42	17	13.57	16	16.39
24	16.73	25	10.64	24	13.79	23	16.52
Mar. 2	16.89	June 1	9.89	31	14.04	30	16.65
9	17.05	8	11.02	Sept. 7	14.28	Dec. 7	16.64
16	17.23	15	11.30	14	14.47	14	16.84
23	17.38	22	11.62	21	14.71	21	17.08
30	17.52	29	11.88	28	14.71	28	17.23

SOUTH DAKOTA

By George A. LaRocque, Jr.

Scope of Water-Level Program

The observation-well program, started in 1935, was continued through cooperation with the State Geological Survey until 1946. Since 1946, measurements of water levels have been continued as part of the Missouri River Basin program. Figure 18 shows the areas in which investigations have been made.

Precipitation

It was a dry year for most localities in South Dakota in 1952. The year was marked by decreasing amounts of precipitation as the season progressed. Early in the year there was an abundance of precipitation which fell as snow. Later there was a gradual decline in the moisture culminating in the record dryness of September and October. The annual precipitation for 1952 averaged 14.03 inches, the third lowest year on record. In late March and April there was a record flood of the Missouri River and its tributaries.

Interpretation of Water-Level Fluctuations

When ground-water levels and artesian pressures are annually at the year's high following the same relative sequence of events, it has been found that the depth to the water-table or to the piezometric surface is related to the total and average precipitation occurring after the primary cause of the year's high. In effect, the depth to water in any well, not affected by artificial withdrawals, for any date following the year's high can be determined from two curves: (a) a curve representing average daily precipitation as related to effective precipitation for ground-water recharge and discharge in the vicinity of the well; (b) a well-coefficient curve relating depth to water per inch of total precipitation and number of days from when ground-water levels or artesian pressures, in effect, last coincided with the land surface (D/W=0).

In the James River Valley of South Dakota, though precipitation for the year was near a record low, ground-water levels and artesian pressures were not everywhere among the lowest for the period of record. Ground-water levels were not as low as might have been expected because the spring break-up did not occur until a relatively late date and the effective period of surface runoff due to melting snow and ice was prolonged until near the middle of May, a very much later date than usual.

A complete explanation of the method for determining depths to water in wells, and its application in the determination of safe yields and over-all effects of ground-water withdrawals, is included in the report on the ground-water investigation of the Oahe Unit, James Division, South Dakota.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first numeral of a well number indicates the township, the second the range, and the third the section in which the well is situated. The lowercase letters, a, b, c, and d, following the section number indicate the well location within the section: the first letter denotes the quarter section (160-acre tract), the second the quarter-quarter section (40-acre tract), and the third the quarter-quarter-quarter section (10-acre tract). The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. If the location is known within a 10-acre tract, three lowercase letters are shown in the well number. When there is more than one well in the smallest significant tract, consecutive numbers beginning with 1 are added as suffixes. Well numbers preceded by the capital letters A and D designate wells in the northeast and southeast quadrants, respectively, of the Black Hills meridian and base line system. Well numbers not preceded by a capital letter designate wells in the 5th or 6th principal meridian and base line systems. Following is a graphical illustration of this method of well numbering within a section of 640 acres.

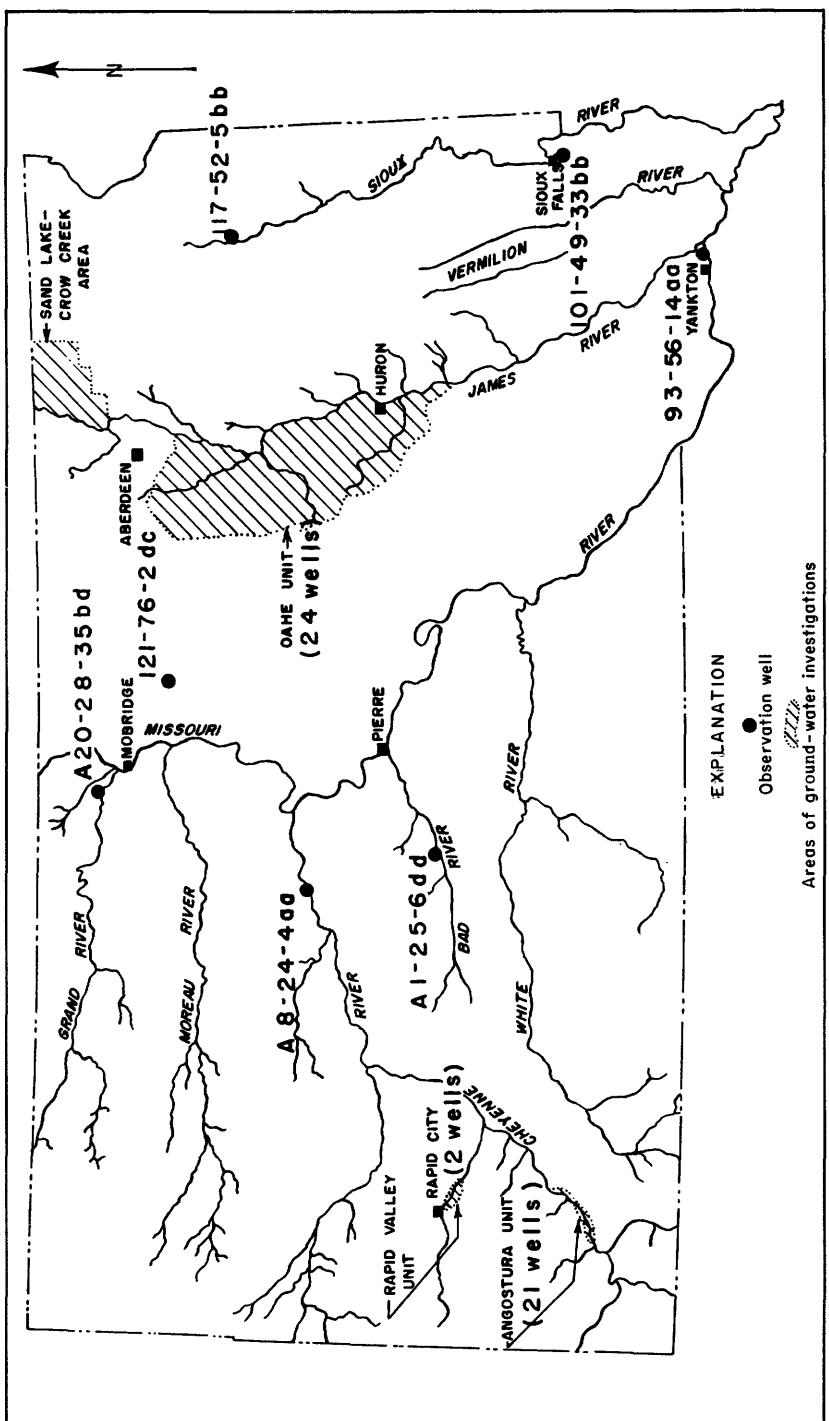
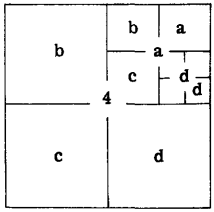


Figure 18.--Location of observation wells in South Dakota, 1952.



Section

Well Descriptions and Water-Level Measurements

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

Beadle County

112-62-31cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,307.30 feet above msl. Highest water level 9.34 below lsd, Apr. 18, 1952; lowest 18.30 below lsd, July 23, 1948. Records available: 1948-52. Apr. 18, 9.34; June 30, 11.71; July 13, 11.74; Aug. 23, 11.61; Oct. 31, 10.77; Dec. 2, 10.01.

112-62-34cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,291.8 feet above msl. Highest water level 4.16 below lsd, Apr. 18, 1952; lowest 11.43 below lsd, Nov. 8, 1948. Records available: 1948-52. Apr. 18, 4.16; June 30, 7.57; July 13, 7.45; Aug. 23, 7.84.

112-63-31cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,340.4 feet above msl. Highest water level 1.57 below lsd, Apr. 18, 1952; lowest 20.97 below lsd, July 23, 1948. Records available: 1948-52. Apr. 18, 1.57; June 30, 5.68; July 13, 6.84; Aug. 23, 7.45; Oct. 31, 9.32; Dec. 2, 9.86.

112-63-34cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 25 feet. Land-surface datum is 1,320.6 feet above msl. Highest water level 7.12 below lsd, Apr. 18, 1952; lowest dry, July 23, Aug. 7, 1948. Records available: 1948-52. Apr. 18, 7.12; June 30, 10.66; July 13, 10.75; Aug. 23, 10.24; Oct. 31, 10.07; Dec. 2, 10.58.

112-64-34cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,325.8 feet above msl. Highest water level 0.82 below lsd, Apr. 18, 1952; lowest 7.20 below lsd, Aug. 18, 1949. Records available: 1948-52. Apr. 18, 0.82; June 30, 2.77; July 13, 3.88; Aug. 23, 4.26; Oct. 31, 4.54; Dec. 2, 4.71.

113-60-31cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 21 feet. Land-surface datum is 1,302.75 feet above msl. Highest water level 3.79 below lsd, May 11, 1950; lowest 9.60 below lsd, Jan. 18, 1950. Records available: 1949-52. Apr. 14, 3.88; June 4, 4.77; July 18, 6.25; Aug. 20, 7.29; Oct. 31, 8.47; Dec. 2, 8.90.

113-63-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1 inch, depth 40 feet. Land-surface datum is 1,301.6 feet above msl. Highest water level 0.64 below lsd, Apr. 14, 1952; lowest 5.23 below lsd, Sept. 16, 1952. Records available: 1950-52. Apr. 14, 0.64; June 4, 2.34; July 14, 3.59; Aug. 15, 4.54; Sept. 16, 5.23; Nov. 1, 4.75; Dec. 2, 4.14.

113-64-31cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 44 feet. Land-surface datum is 1,332.0 feet above msl. Highest water level 1.00 above lsd, Apr. 14, 1952; lowest 4.02 below lsd, Aug. 23, 1952. Records available: 1950-52. Apr. 14, +1.00; June 5, 1.05; July 17, 2.70; Aug. 23, 4.02; Sept. 26, 3.12; Oct. 31, 3.15; Dec. 2, 3.00.

113-64-31cccc3. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 18 feet. Land-surface datum is 1,332.0 feet above msl. Highest water level 0.98 above lsd, Apr. 14, 1952; lowest 3.70 below lsd, Sept. 17, 1950. Records available: 1950-52. Apr. 14, +0.98; June 5, 0.89; July 17, 2.63; Aug. 23, 3.51; Sept. 26, 3.06; Oct. 31, 3.02; Dec. 3, 2.86.

113-64-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1 inch, depth 40 feet. Land-surface datum is 1,345.5 feet above msl. Highest water level 1.27 below lsd, Apr. 14, 1952; lowest 9.37 below lsd, Dec. 2, 1952. Records available: 1950-52. Apr. 14, 1.27; June 5, 2.91; July 17, 5.16; Aug. 23, 5.78; Sept. 26, 7.54; Oct. 31, 9.19; Dec. 2, 9.37.

113-65-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1 inch, depth 40 feet. Land-surface datum is 1,380.4 feet above msl. Highest water level 7.17 below lsd, June 5, 1952; lowest 14.58 below lsd, Dec. 4, 1952. Records available: 1950-52. June 5, 7.17; July 17, 10.70; Aug. 23, 12.40; Sept. 26, 13.01; Oct. 31, 14.40; Dec. 4, 14.58.

Brown County

121-64-33dddd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 1,294.5 feet above msl. Highest water level 6.90 below lsd, June 2, 1949; lowest 20.90 below lsd, Oct. 28, Dec. 2, 1948. Records available: 1948-52. Aug. 2, 10.63; Aug. 19, 11.39; Sept. 4, 13.60; Sept. 26, 14.68; Oct. 30, 16.08; Dec. 12, 17.08.

123-64-22ad. G. Reitz. Dug unused well in glacial drift, diameter 5 feet, depth 15 feet. Highest water level 6.49 below lsd, Apr. 18, 1952; lowest 10.97 below lsd, Oct. 6, 1949. Records available: 1946-52. New TCA is 1.4 feet above land-surface datum after Aug. 8, 1952.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	9.94	Apr. 18	6.49	July 10	8.48	Sept. 29	9.59
Mar. 3	9.75	May 22	7.00	Aug. 8	9.08	Oct. 23	9.82
Apr. 4	8.74	June 11	7.94	Sept. 10	9.42	Dec. 31	9.94

126-61-6aa. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ inch, depth 17 feet. Land-surface datum is 1,296.21 feet above msl. Highest water level 4.61 below lsd, May 27, 1952; lowest 9.04 below lsd, Oct. 14, 1952. Records available: 1950-52. May 27, 4.61; Oct. 14, 9.04; Dec. 8, 8.64.

126-62-3bb. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ inch, depth 14 feet. Land-surface datum is 1,302.94 feet above msl. Highest water level 4.05 below lsd, Apr. 10, 1951; lowest 14.6 below lsd, Feb. 6, 1951. Records available: 1950-52. Jan. 31, 11.80; May 28, 4.53; Oct. 14, 13.36; Dec. 8, 13.15.

126-62-34ab. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ inch, depth 16 feet. Land-surface datum is 1,290.48 feet above msl. Highest water level 2.51 below lsd, June 2, 1951; lowest 6.81 below lsd, Oct. 14, Dec. 8, 1952. Records available: 1950-52. Mar. 11, 6.05; May 28, 3.40; Oct. 14, 6.81; Dec. 8, 6.81.

127-61-19dd. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ inch, depth 15 feet. Land-surface datum is 1,290.17 feet above msl. Highest water level 0.80 below lsd, June 1, 1951; lowest 5.26 below lsd, Oct. 15, 1952. Records available: 1950-52. May 27, 3.07; Oct. 15, 5.26; Dec. 10, 4.52.

128-61-26bbb. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ inch, depth 25 feet. Land-surface datum is 1,296.91 feet above msl. Highest water level 7.09 below lsd, May 27, 1952; lowest 12.72 below lsd, Sept. 20, 1950. Records available: 1950-52. Jan. 31, 10.50; May 27, 7.09; Oct. 15, 12.70; Dec. 10, 12.38.

Codington County

117-52-5bb. Desmond. Dug unused well in glacial drift, diameter 36 inches, depth 12 feet. Highest water level 2.25 below lsd, Apr. 10, 1947; lowest 6.77 below lsd, Oct. 5, 1949. Records available: 1946-52.

Jan. 29	6.28	June 10	4.81	Sept. 11	6.41	Nov. 13	6.65
Mar. 5	5.48	July 9	5.12	30	6.53	Dec. 30	6.50
May 21	4.78	Aug. 6	5.89	Oct. 21	6.49		

Corson County

A-20-28-35bd. J. Corken. Dug domestic well, diameter 36 inches, depth 19 feet. Highest water level 10.65 below lsd, July 2, 1950; lowest dry, Sept.-Oct., 1947, Sept.-Nov., 1948, July-Oct., 1949. Records available: 1946-52. May 19, 11.84; May 23, 11.94; July 2, 11.83; July 22, 13.09; Aug. 12, 13.44.

Custer County

D-6-8-13aad. W. Sneider. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 5 feet, depth 18 feet. Land-surface datum is 2,961.72 feet above msl. Highest water level 13.85 below lsd, Aug. 9, 1946; lowest 16.32 below lsd, May 3, 1952. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	15.74	May 3	16.32	July 28	15.97	Oct. 9	15.72
Feb. 19	15.93	June 23	16.13	Aug. 26	15.56	Nov. 19	15.99
Mar. 31	16.20						

D-6-8-24ddc. E. Mohler. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 41 feet. Land-surface datum is 2,995.55 feet above msl. Highest water level 37.07 below lsd, Mar. 3, Apr. 29, 1948; lowest 38.00 below lsd, July 2, 1948. Records available: 1946-52.

Jan. 20	37.25	May 3	37.35	July 28	37.41	Oct. 9	37.44
Feb. 19	37.31	June 23	37.32	Aug. 26	37.40	Nov. 19	37.56
Mar. 31	37.33						

D-6-8-26aac. Owner unknown. Dug unused well, diameter 4 feet, depth 38 feet. Land-surface datum is 3,040.99 feet above msl. Highest water level 31.41 below lsd, July 2, 1947; lowest 37.48 below lsd, Sept. 5, 1946. Records available: 1946-52.

Jan. 20	35.57	May 3	35.80	July 28	33.91	Oct. 9	33.76
Feb. 19	35.43	June 23	35.67	Aug. 26	33.72	Nov. 19	33.70
Mar. 31	35.71						

D-6-9-8ccb. U. S. Government. Dug unused well in terrace sand and gravel of Quaternary age, diameter 5 feet, depth 39 feet. Land-surface datum is 2,973.78 feet above msl. Highest water level 35.06 below lsd, June 28, 1949; lowest 35.90 below lsd, July 2, 1948. Records available: 1946-52.

Jan. 20	35.36	May 3	35.52	July 28	35.43	Oct. 9	35.43
Feb. 19	35.40	June 23	35.51	Aug. 26	35.47	Nov. 19	35.42
Mar. 31	35.48						

D-6-9-8dcc2. U. S. Government. Dug unused well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 21 feet. Land-surface datum is 2,965.25 feet above msl. Highest water level 16.33 below lsd, Dec. 10, 1947; lowest 17.98 below lsd, June 23, 1952. Records available: 1946-52. Jan. 20, 17.39; Feb. 19, 17.50; Mar. 31, 17.55; May 3, 17.66; June 23, 17.98; July 28, 17.74; Aug. 26, 17.76.

D-6-9-18acc2. U. S. Government. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 5 feet. Land-surface datum is 2,952.01 feet above msl. Highest water level 5.88 below lsd, July 2, 1947; lowest 8.60 below lsd, July 2, 1948, June 23, 1952. Records available: 1946-52. May 3, 8.44; June 23, 8.60; July 28, 8.39; Aug. 26, 8.40; Oct. 9, 8.29; Nov. 19, 8.11.

D-6-9-18dcc2. L. J. Berfiend. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 37 feet. Land-surface datum is 2,984.03 feet above msl. Highest water level 31.48 below lsd, Dec. 29, 1949; lowest 32.92 below lsd, Mar. 31, 1952. Records available: 1946-52.

Jan. 20	31.90	Mar. 31	32.92	June 23	32.36	Aug. 26	32.13
Feb. 19	31.95	May 3	32.71	July 28	31.99	Oct. 9	32.07

D-6-9-19bda. U. S. Government. Dug domestic well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 32 feet. Highest water level 30.70 below lsd, Nov. 28, 1949; lowest 34.70 below lsd, May 1, 1947. Records available: 1946-52. Jan. 20, 32.08; Feb. 19, 32.10; Mar. 31, 32.32; May 3, 32.32. Measurement discontinued.

D-6-9-20bcd. U. S. Government. Dug unused well in terrace sand and gravel of Quaternary age, diameter 42 inches, depth 12 feet. Land-surface datum is 2,976.5 feet above msl. Highest water level 9.14 below lsd, Aug. 5, 1947; lowest 11.50 below lsd, Jan. 20, 1952. Records available: 1946-52. Jan. 20, 11.50; Feb. 19, 11.41; Mar. 31, 10.81. Measurement discontinued.

Fall River County

D-7-7-25ccc. U. S. Government. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 4 feet, depth 13 feet. Land-surface datum is 3,067 feet above msl. Highest water level 10.28 below lsd, May 25, 1950; lowest 11.63 below lsd, Apr. 19, 1946. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	11.21	May 5	10.97	July 28	11.01	Oct. 8	11.12
Feb. 19	11.21	June 18	10.91	Aug. 28	11.02	Nov. 19	11.04
Mar. 31	10.93						

D-7-7-27bab. C. Fleming. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 4 feet, depth 22 feet. Land-surface datum is 2,954.8 feet above msl. Highest water level 17.79 below lsd, May 25, 1950; lowest 19.40 below lsd, July 2, 1948. Records available: 1946-52.

Jan. 20	18.70	May 5	18.93	July 29	18.92	Oct. 8	18.95
Feb. 19	18.86	June 18	18.90	Aug. 28	18.91	Nov. 19	18.91
Mar. 31	18.91						

D-7-7-35baa. A. W. Gamet. Dug stock well in terrace sand and gravel of Quaternary age, diameter 36 inches, depth 32 feet. Land-surface datum is 3,083.9 feet above msl. Highest water level 27.13 below lsd, Nov. 28, 1949; lowest 29.00 below lsd, July 2, 1948. Records available: 1946-52. Jan. 20, 27.67; Feb. 19, 27.59; Mar. 31, 27.58. Measurement discontinued.

D-7-8-11ccd. Joseph Gamet. Formerly Worth Gamet. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 38 feet. Land-surface datum is 3,022 feet above msl. Highest water level 28.33 below lsd, Aug. 10, 1949; lowest 34.27 below lsd, Apr. 19, 1946. Records available: 1946-52. Jan. 20, 29.07; Feb. 19, 29.18; Mar. 31, 28.40.

D-7-8-14cdd. Ward Gamet. Drilled unused well in eolian sand of Quaternary age, diameter 24 inches, depth 58 feet. Land-surface datum is 3,064 feet above msl. Highest water level 48.01 below lsd, July 2, 1949; lowest 49.90 below lsd, July 2, 1948. Records available: 1946-52.

Jan. 20	48.42	May 5	48.42	July 29	48.47	Oct. 8	48.45
Feb. 19	48.41	June 18	48.45	Aug. 28	48.35	Nov. 19	48.41
Mar. 31	48.41						

D-7-8-19cab. W. G. Tice. Dug unused well in terrace sand and gravel of Quaternary age, diameter 25 inches, depth 16 feet. Land-surface datum is 3,041.3 feet above msl. Highest water level 12.83 below lsd, July 1, 1947; lowest 14.98 below lsd, Oct. 8, 1952. Records available: 1946-52.

Jan. 20	13.81	May 5	13.55	July 29	13.76	Oct. 8	14.98
Feb. 19	13.60	June 18	13.53	Aug. 28	13.73	Nov. 19	14.78
Mar. 31	13.57						

D-7-8-20ddc. R. Gamet. Dug domestic and stock well in eolian sand of Quaternary age, diameter 4 feet, depth 72 feet. Land-surface datum is 3,103 feet above msl. Highest water level 69.99 below lsd, Aug. 10, 1949; lowest 72.00 below lsd, July 2, 1948. Records available: 1946-51. Measurement discontinued.

D-7-8-29ccc. U. S. Government. Dug unused well, diameter 4 feet, depth 73 feet. Land-surface datum is 3,118 feet above msl. Highest water level 71.74 below lsd, Feb. 20, 1948; lowest 73.00 below lsd, July 2, 1948. Records available: 1946-52. Jan. 20, 72.16; Feb. 19, 72.17; Mar. 31, 72.19. Measurement discontinued.

D-7-8-33bbb. A. J. Segar. Dug unused well, diameter 4 feet. Land-surface datum is 3,156.74 feet above msl. Highest water level 16.52 below lsd, Sept. 26, 1949; lowest 23.45 below lsd, June 5, 1946. Records available: 1946-52.

Jan. 20	17.84	May 5	17.68	July 29	17.70	Oct. 7	18.60
Feb. 19	17.83	June 19	17.55	Aug. 28	17.64	Nov. 24	17.59
Mar. 31	17.92						

D-8-6-10daa. U. S. Government. Dug unused well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 42 feet. Land-surface datum is 3,135 feet above msl. Highest water level 38.37 below lsd, Aug. 10, 1949; lowest dry, Mar.-Dec., 1952. Records available: 1946-52. Jan. 20, 39.53; Feb. 19, 39.80.

D-8-6-13bad. A. J. Kieffer. Dug domestic well in eolian sand of Quaternary age, diameter 24 inches, depth 13 feet. Land-surface datum is 3,212.8 feet above msl. Highest water level 8.70 below lsd, Aug. 4, 1947; lowest 10.48 below lsd, July 29, 1952. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	10.11	May 6	9.97	July 29	10.48	Oct. 7	10.20
Feb. 19	10.11	June 19	9.60	Aug. 28	10.30	Nov. 24	10.20
Mar. 31	10.11						

D-8-7-5acc. E. Hagerman. Dug unused well in terrace sand and gravel of Quaternary age, depth 49 feet. Land-surface datum is 3,116 feet above msl. Highest water level 42.64 below lsd, Apr. 28, 1950; lowest 45.62 below lsd, June 4, 1947. Records available: 1946-52. May 6, 43.80; June 19, 43.75; July 30, 43.62; Aug. 29, 43.51; Oct. 7, 43.65; Nov. 24, 43.59.

D-8-7-6dcd. A. Mills. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 37 feet. Land-surface datum is 3,128 feet above msl. Highest water level 32.81 below lsd, Apr. 26, 1950; lowest 35.60 below lsd, July 2, 1948. Records available: 1946-52.

Jan. 20	33.94	May 6	34.28	July 30	34.06	Oct. 7	b40.19
Feb. 19	33.94	June 19	b37.43	Aug. 29	33.86	Nov. 24	33.36
Mar. 31	34.12						

b Pumped recently.

D-8-7-7bbb2. H. Kneuple. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet. Land-surface datum is 3,110 feet above msl. Highest water level 2.83 below lsd, July 1, 1947; lowest 7.98 below lsd, Aug. 7, 1946. Records available: 1946-52.

Jan. 20	6.32	May 6	5.81	July 30	6.67	Oct. 7	6.42
Feb. 19	5.94	June 19	5.45	Aug. 29	7.36	Nov. 24	5.93
Mar. 31	5.90						

D-8-7-8dcc. Hazel Reigler. Dug unused well in eolian sand of Quaternary age, diameter 36 inches, depth 21 feet. Land-surface datum is 3,232.01 feet above msl. Highest water level 14.89 below lsd, Dec. 29, 1949; lowest 18.00 below lsd, Nov. 24, 1952. Records available: 1946-52.

Jan. 20	17.13	May 6	17.03	July 30	16.82	Oct. 7	17.72
Feb. 19	17.26	June 19	17.07	Aug. 29	17.22	Nov. 24	18.00
Mar. 31	17.29						

Faulk County

117-66-35cd. J. Haider. Dug stock well in glacial drift, diameter 4 feet, depth 45 feet. Highest water level 7.82 below lsd, Apr. 24, 1952; lowest 14.65 below lsd, Aug. 25, 1948. Records available: 1946-52. Apr. 24, 7.82. Measurement discontinued.

117-68-36aa. J. Sievers. Drilled stock well in glacial drift, diameter 24 inches, depth 18 feet. Highest water level 4.30 below lsd, Apr. 21, 1952; lowest 8.77 below lsd, Apr. 13, 1946. Records available: 1946-52. Apr. 21, 4.30. Measurement discontinued.

118-66-21ba. V. Elliott. Dug domestic and stock well in glacial drift, diameter 36 inches, depth 7 feet. Highest water level 3.79 below lsd, Nov. 15, 1946; lowest 6.65 below lsd, Sept. 19, 1949. Records available: 1946-52. Apr. 23, 4.11. Measurement discontinued.

Haakon County

A-1-25-6dd. A. Elrod. Dug stock well, diameter 24 inches, depth 30 feet. Highest water level 20.54 below lsd, July 15, 1952; lowest 23.95 below lsd, Feb. 5, 1951. Records available: 1946-52.

Jan. 11	21.96	June 5	20.56	Aug. 6	20.92	Oct. 16	21.50
Feb. 6	22.05	24	20.73	29	20.77	Nov. 12	21.64
Mar. 18	21.87	July 15	20.54	Sept. 26	21.32	Dec. 2	21.64
May 22	20.59						

A-8-24-4aa. W. B. Alleman. Dug unused well, diameter 5 feet, depth 20 feet. Highest water level 7.15 below lsd, May 12, 1950; lowest 11.52 below lsd, Sept. 30, 1947. Records available: 1946-52. Jan. 30, 9.51; Mar. 12, 8.76. Measurement discontinued.

Hand County

112-66-36dddd2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,406.9 feet above msl. Highest water level 12.90 below lsd, Apr. 18, 1952; lowest 16.95 below lsd, Dec. 13, 1949. Records available: 1948-52. Apr. 18, 12.90; June 30, 13.52; July 13, 14.82; Aug. 23, 14.28; Oct. 31, 13.82; Dec. 2, 14.19.

112-69-3dc. C. Loosey. Dug stock well in glacial drift, diameter 4 feet, depth 30 feet. Highest water level 2.65 below lsd, May 12, 1950; lowest 19.42 below lsd, Nov. 28, 1948. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	9.56	June 9	5.84	Sept. 3	8.39	Dec. 1	10.00
Mar. 3	9.45	July 12	6.43	Oct. 20	9.52	29	10.19
May 23	5.68	Aug. 4	7.48				

113-66-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 40 feet. Land-surface datum is 1,410.5 feet above msl. Highest water level 1.50 below lsd, Apr. 14, 1952; lowest 7.37 below lsd, Oct. 31, 1952. Records available: 1950-52. Apr. 14, 1.50; June 5, 3.90; July 17, 5.87; Aug. 23, 6.41; Sept. 23, 6.73; Oct. 31, 7.37; Dec. 4, 6.51.

113-67-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 40 feet. Land-surface datum is 1,469.9 feet above msl. Highest water level 2.51 below lsd, Apr. 14, 1952; lowest 10.78 below lsd, Oct. 15, 1952. Records available: 1950-52. Apr. 14, 2.51; June 5, 5.69; July 17, 7.39; Aug. 23, 9.25; Oct. 15, 10.78; Dec. 4, 8.89.

Jerauld County

108-64-6cc1. A. C. Crouch. Dug well in glacial drift, diameter 18 inches, depth 23 feet. Highest water level 12.59 below lsd, Sept. 9, 1948; lowest 21.66 below lsd, Sept. 29, 1949. Records available: 1946-52. Apr. 22, 18.23; Oct. 17, 20.53.

Marshall County

126-58-8cc. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 21 feet. Land-surface datum is 1,311.05 feet above msl. Highest water level 10.46 below lsd, May 29, 1952; lowest 15.88 below lsd, Apr. 10, 1951. Records available: 1950-52. Jan. 31, 13.00; May 29, 10.46; Oct. 14, 11.85; Dec. 9, 12.21.

126-59-12cd. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 24 feet. Land-surface datum is 1,299.85 feet above msl. Highest water level 5.42 below lsd, May 28, 1952; lowest 8.85 below lsd, Nov. 20, 1950. Records available: 1950-52. Jan. 31, 7.60, by U. S. Fish and Wildlife Service; May 28, 5.42; Oct. 14, 8.57; Dec. 9, 8.59.

127-58-19cc. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 15 feet. Land-surface datum is 1,291.60 feet above msl. Highest water level 1.89 below lsd, May 27, 1952; lowest 8.10 below lsd, Feb. 9, 1951. Records available: 1950-52. Jan. 31, 7.00; Mar. 11, 7.15; May 27, 1.89; Oct. 14, 7.18; Dec. 10, 7.15.

127-59-33ad. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 21 feet. Land-surface datum is 1,289.40 feet above msl. Highest water level 3.88 below lsd, May 28, 1952; lowest 9.14 below lsd, Nov. 27, 1950. Records available: 1950-52. Jan. 31, 8.45; Mar. 11, 8.35; May 28, 3.88; Oct. 14, 8.34; Dec. 9, 8.54.

Minnehaha County

101-49-33bb. C. Donaldson. Dug unused well in glacial drift, diameter 30 inches, depth 12 feet. Highest water level 7.34 below lsd, Apr. 30, 1952; lowest 10.65 below lsd, Feb. 1, 1951. Records available: 1946-52.

Jan. 24	9.05	Apr. 30	7.34	July 8	8.44	Nov. 5	9.18
Feb. 19	8.58	May 31	7.84	Aug. 8	8.85	Dec. 11	9.32
Mar. 25	7.63	June 17	8.22				

Pennington County

A-1-8-17ddd1. E. H. Hoff. Dug stock well in alluvial sand and gravel, depth 18 feet. Highest water level 3.58 below lsd, May 19, 1950; lowest 15.55 below lsd, Dec. 17, 1952. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	9.40	May 8	9.95	July 10	8.00	Oct. 29	11.80
Mar. 4	9.30	June 16	10.10	Sept. 13	10.75	Dec. 17	15.55
Apr. 21	7.20						

A-1-14-5ab1. A. Trople. Dug stock well, depth 17 feet. Highest water level 1.54 below lsd, Mar. 9, 1949; lowest 7.80 below lsd, Dec. 8, 1949. Records available: 1946-52.

Jan. 3	3.50	Mar. 28	2.90	June 2	3.20	Oct. 13	6.25
28	3.30	Apr. 22	3.50	30	3.60	Nov. 10	6.20
Mar. 10	3.00	May 12	3.40	Sept. 16	6.20	Dec. 8	5.65

Sanborn County

106-61-1bd2. Herman Torgenson. Drilled domestic well in glacial drift, diameter 1 inch, depth 14 feet. Highest water level 8.26 below lsd, May 8, 1949; lowest 22.06 below lsd, June 18, 1951. Records available: 1949-51. Measurement discontinued.

108-61-31bc. George Doering. Drilled well, diameter 3 inches, depth 15 feet. Highest water level 6.16 below lsd, June 13, 1946; lowest 11.56 below lsd, Oct. 15, 1952. Records available: 1946-47, 1949-52. Apr. 23, 9.82; Oct. 15, 11.56.

108-62-1cc. H. H. Grant. Dug domestic well in glacial drift, diameter 30 inches, depth 48 feet. Highest water level 33.80 below lsd, June 4, 1947; lowest 49.16 below lsd, May 12, 1950. Records available: 1947-52. Apr. 23, 45.70; Oct. 16, 46.21.

Spink County

114-62-33bc. F. E. McDonald. Dug and drilled domestic and stock well in glacial drift, diameter 36 inches, depth 35 feet. Highest water level 21.71 below lsd, Apr. 26, 1948; lowest 25.00 below lsd, Nov. 14, 1948. Records available: 1946-51. Measurement discontinued.

114-65-8cb. H. L. Binger. Drilled stock well in glacial drift, diameter 18 inches, depth 27 feet. Highest water level 15.42 below lsd, Apr. 28, 1952; lowest 19.72 below lsd, Nov. 15, 1948. Records available: 1946-52. Apr. 28, 15.42. Measurement discontinued.

115-62-7dddd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 27 feet. Land-surface datum is 1,294.1 feet above msl. Highest water level 20.58 below lsd, May 22, 1950; lowest 25.50 below lsd, Mar. 1, 1949. Records available: 1948-52. Apr. 17, 24.70; June 11, 24.56; Aug. 3, 24.41; Sept. 3, 24.21; Nov. 13, 24.25; Dec. 15, 24.20.

115-63-4aaaa. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 1,293.8 feet above msl. Highest water level 10.80 below lsd, July 26, 1948; lowest 17.80 below lsd, Sept. 22, 1950. Records available: 1948-52. Apr. 17, 16.52; June 11, 16.01; Aug. 3, 14.98; Sept. 3, 12.99; Nov. 13, 14.47; Dec. 15, 14.85.

115-65-5cd1. M. J. Handcock. Dug domestic well in glacial drift, diameter 18 inches, depth 18 feet. Highest water level 9.41 below lsd, Apr. 24, 1952; lowest 12.54 below lsd, Sept. 26, 1950. Records available: 1946-52. Apr. 24, 9.41. Measurement discontinued.

116-63-36dddd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 1,294.5 feet above msl. Highest water level 22.10 below lsd, Jan. 6, Mar. 1, Apr. 1, 1949; lowest 25.43 below lsd, Oct. 31, 1951. Records available: 1948-52. Apr. 17, 25.28; Aug. 7, 25.14; Aug. 30, 25.15.

116-64-3db. L. J. Hillested. Dug domestic and stock well in glacial drift, diameter 18 inches, depth 22 feet. Highest water level 9.88 below lsd, Dec. 7, 1950; lowest 13.78 below lsd, Mar. 18, 1951. Records available: 1946-52.

Jan. 30	12.09	May 23	10.58	Aug. 8	10.48	Nov. 12	11.60
Mar. 5	12.15	June 11	10.29	Sept. 10	11.44	Dec. 30	11.89
Apr. 18	11.87	July 11	10.00	30	11.19		

119-64-3bbbb. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,292.2 feet above msl. Highest water level 11.70 below lsd, July 26, 1948; lowest dry, Feb. 21, Mar. 21, 1950. Records available: 1948-52. Aug. 4, 14.89; Aug. 14, 15.47; Aug. 22, 15.93; Sept. 26, 17.81; Oct. 30, 18.70; Dec. 12, 18.92.

120-63-6bbbb. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,297.4 feet above msl. Highest water level 17.95 below lsd, Aug. 2, 1952; lowest 21.81 below lsd, Oct. 25, 1950. Records available: 1948-52. Aug. 2, 17.95; Aug. 19, 17.99; Sept. 4, 19.29; Oct. 30, 19.11; Dec. 12, 19.11.

120-63-31ccdd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,296.9 feet above msl. Highest water level 18.56 below lsd, Aug. 19, 1952; lowest 23.75 below lsd, May 22, 1950. Records available: 1948-52. Aug. 2, 18.58; Aug. 19, 18.56; Sept. 2, 18.58; Oct. 30, 18.99; Dec. 12, 19.31.

120-64-16dddd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 26 feet. Land-surface datum is 1,293.2 feet above msl. Highest water level 19.22 below lsd, Aug. 2, 1952; lowest dry, Apr. 20, 1950. Records available: 1948-52. Aug. 2, 19.22; Aug. 19, 19.63; Sept. 4, 20.18; Sept. 26, 20.70; Oct. 30, 21.21; Dec. 12, 21.48.

120-65-36dddd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,295 feet above msl. Highest water level 1.65 below lsd, Apr. 18, 1952; lowest 10.50 below lsd, Feb. 21, 1950. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 18	1.65	Aug. 4	6.14	Aug. 22	7.12	Oct. 30	9.35
June 12	4.78	15	6.61	Sept. 26	8.39	Dec. 4	9.78

Walworth County

121-76-2dc. M. Anderson. Dug domestic well in alluvial sand and gravel, diameter 36 inches, depth 25 feet. Highest water level 2.65 below lsd, Jan. 3, 1952; lowest 12.23 below lsd, May 16, 1943. Records available: 1943, 1947-52.

Jan. 3	2.65	June 23	5.13	July 21	5.48	Oct. 13	5.05
Mar. 20	5.46	July 3	4.86	Aug. 11	5.30	Dec. 9	5.90
Apr. 28	3.73						

Yankton County

93-56-14aa. Mrs. J. M. Kayser. Drilled well, depth 80 feet. Highest water level 37.52 below lsd, June 26, 1951; lowest 47.52 below lsd, June 11, 1947. Records available: 1946-52.

Jan. 21	43.73	Apr. 24	41.56	Sept. 29	43.67	Nov. 18	44.15
Feb. 18	41.37	June 25	43.04	Oct. 20	44.30	Dec. 15	44.62
Mar. 24	38.39	July 2	42.52				

WISCONSIN

By W. J. Drescher

Scope of Water-Level Program

The observation-well program was continued in 1952 in cooperation with the University of Wisconsin. Nine wells in northern Wisconsin were measured by the State Conservation Department. Measurements of water levels in four wells near the Brule River in Forest County and in one well near the Menominee River in Marinette County were measured as a part of ground-water studies in the Northern Peninsula of Michigan. (See Water-Supply Paper 1221, page Menominee River Basin.) The program in Wisconsin included 224 wells, 5 with nonrecording gages and 27 with recording gages. Figures 19, 20, 21, 22, and 23 show the location of observation wells in northwestern, north-central, northeastern, southwestern, and southeastern Wisconsin. Reports on Brown County (Water-Supply Paper 1190) and the Milwaukee-Waukesha area (Water-Supply Paper 1229) were released to open file.

Precipitation and Temperature

The total precipitation in Wisconsin in 1952, 28.75 inches, was 1.58 inches below normal and 9.49 inches below that for 1951. The temperature for 1952 was 44.7° F. which is 1.3° above average and 3.1° above 1951.

Pumpage

Pumpage, both municipal and industrial, was greater in 1952 than in 1951 owing to higher temperatures and lower precipitation. The distribution of pumpage in the Green Bay area shifted toward the northwest part of the city. Elsewhere the distribution of pumpage remained about the same as in 1951. Pumpage for irrigation was greater in 1952 than in 1951 but was generally light owing to periodic precipitation during most of the growing season.

Interpretation of Water-Level Fluctuations

Static water levels in three artesian wells penetrating the sandstone aquifer of eastern Wisconsin are shown in figure 24. The fluctuations of the water level in Bn 9 in Green Bay, Brown County, are a direct result of pumping in the area. The water level in Bn 9 in 1952 was about 15 feet higher than in 1951 owing to the shift in the distribution of pumpage. The fluctuations in Ml 36 reflect changes in pumpage in the Milwaukee area. The water level in this well reached an all time low on September 21, 1952, about 2 feet lower than on August 18, 1951. Ke 6, in Kenosha County, is near the coalescence of the Milwaukee and Chicago cones of depression. The hydrograph of this well shows a continuing downward trend indicating that the cones of depression are growing.

Hydrographs of static water levels in four water-table wells are shown in figure 25. In each case an upward trend indicates recharge from precipitation and a downward trend indicates evapotranspiration and discharge to streams. The high water levels in the spring are dependent upon spring rains, the rate of melting and amount of accumulated snow cover, and whether the ground is frozen. It is significant that, despite deficient precipitation in the last four months of 1952, water levels in water-table wells remained higher than in 1951.

Well-Numbering System

Wells are numbered consecutively within each county. The counties are designated by a two-letter abbreviation derived from the county name. For example, Bn 9 designates well number 9 in Brown County.

Well Descriptions and Water-Level Measurements

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

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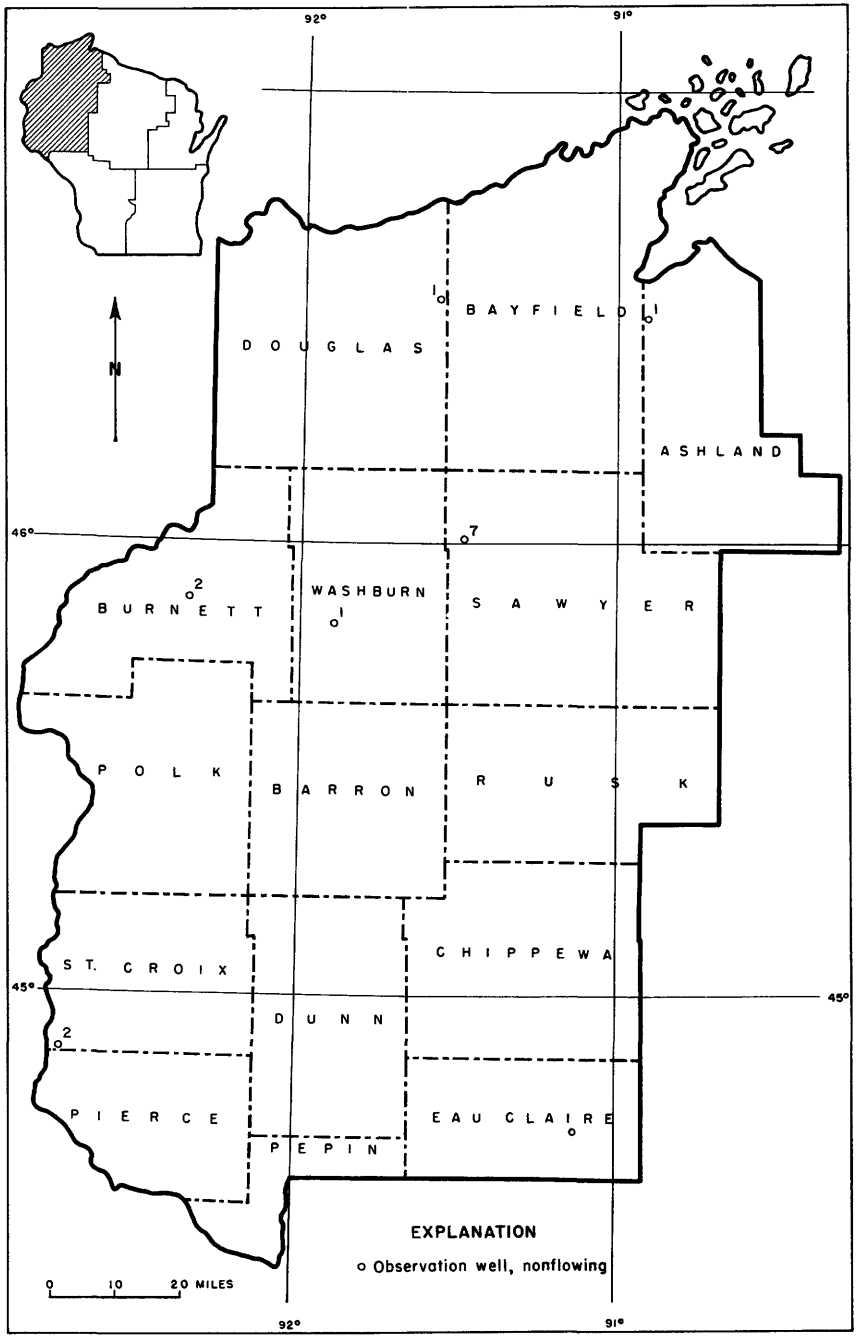

Figure 19. --Location of observation wells in northwestern Wisconsin, 1952.

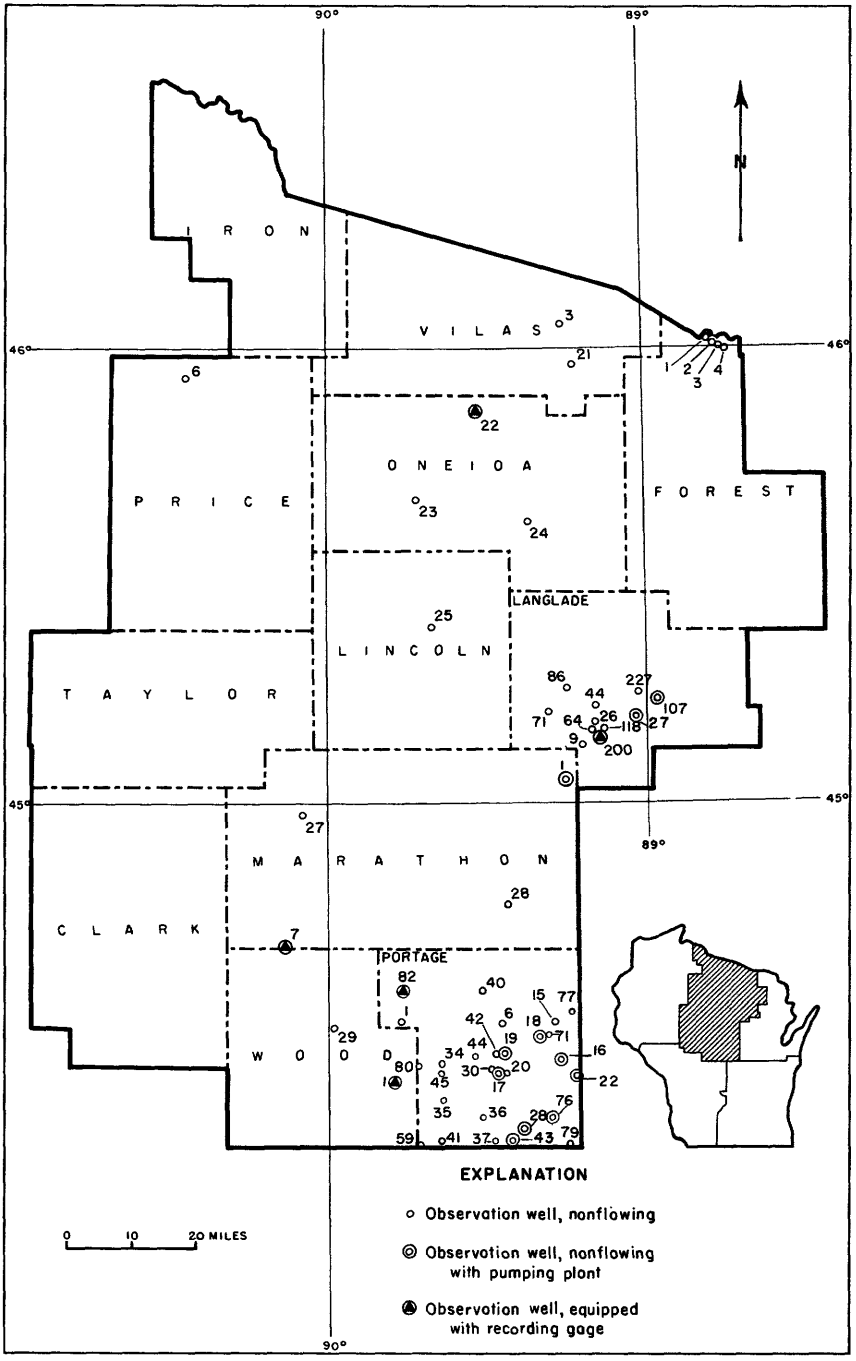

Figure 20. --Location of observation wells in north-central Wisconsin, 1952.

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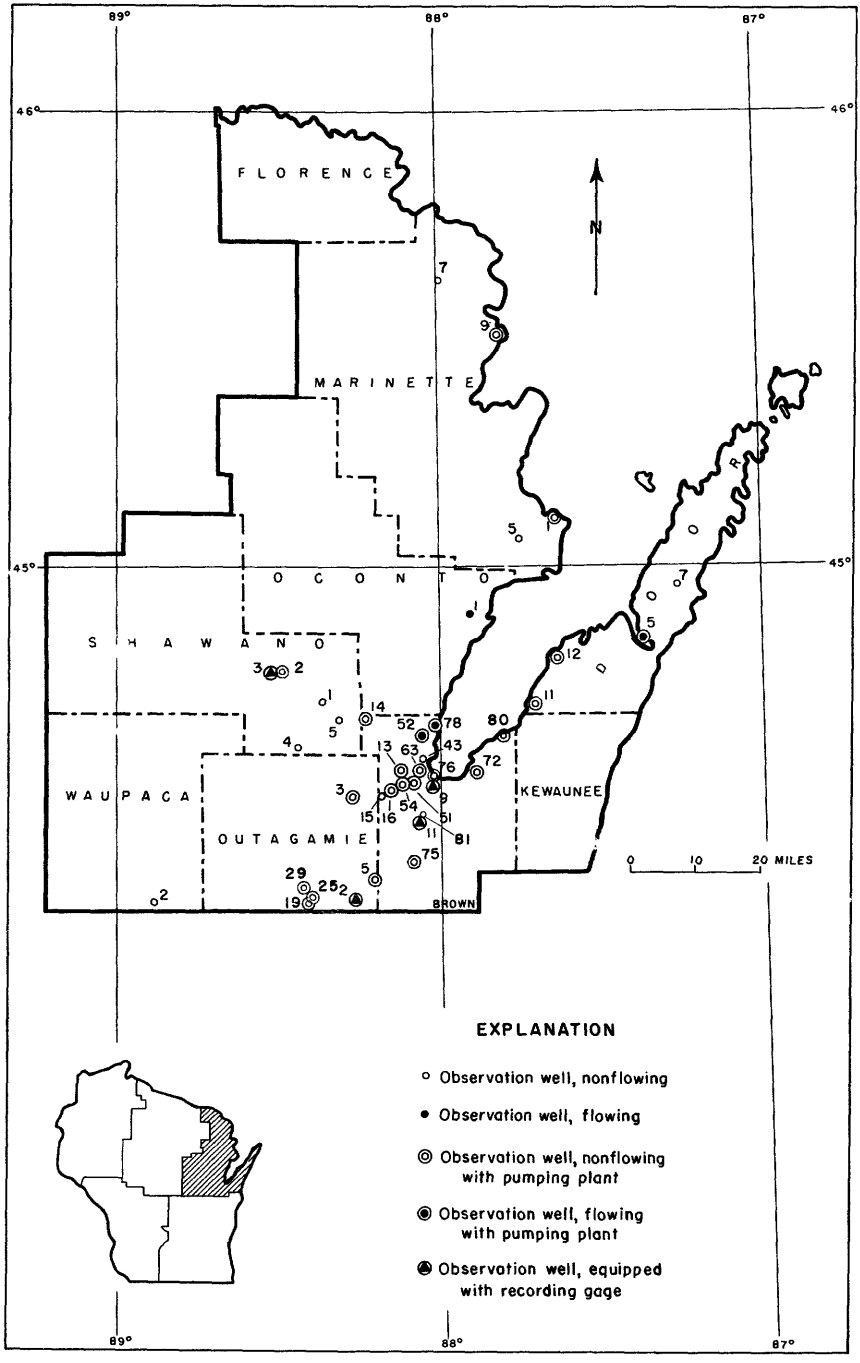

Figure 21.--Location of observation wells in northeastern Wisconsin, 1952.

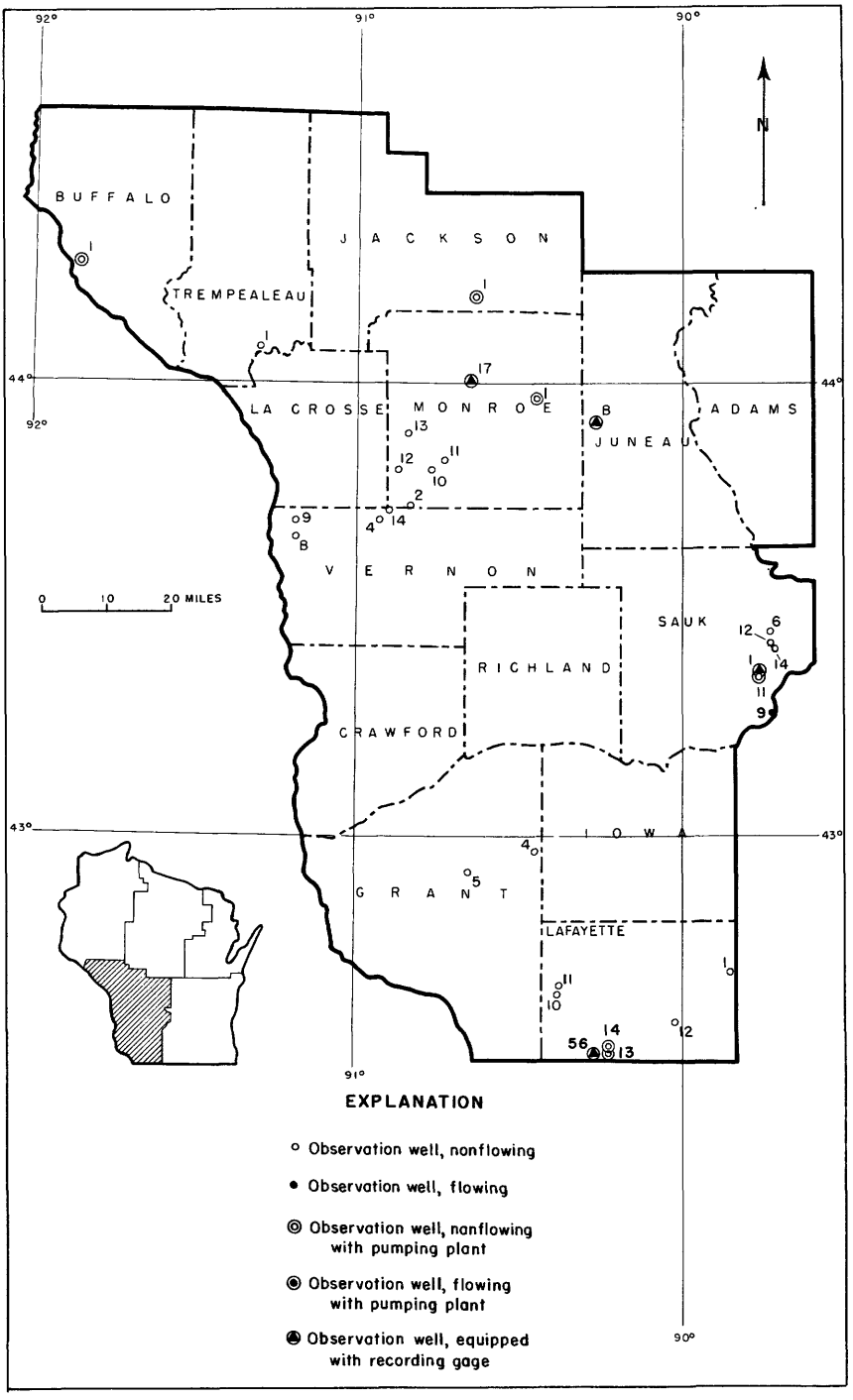

Figure 22.--Location of observation wells in southwestern Wisconsin, 1952.

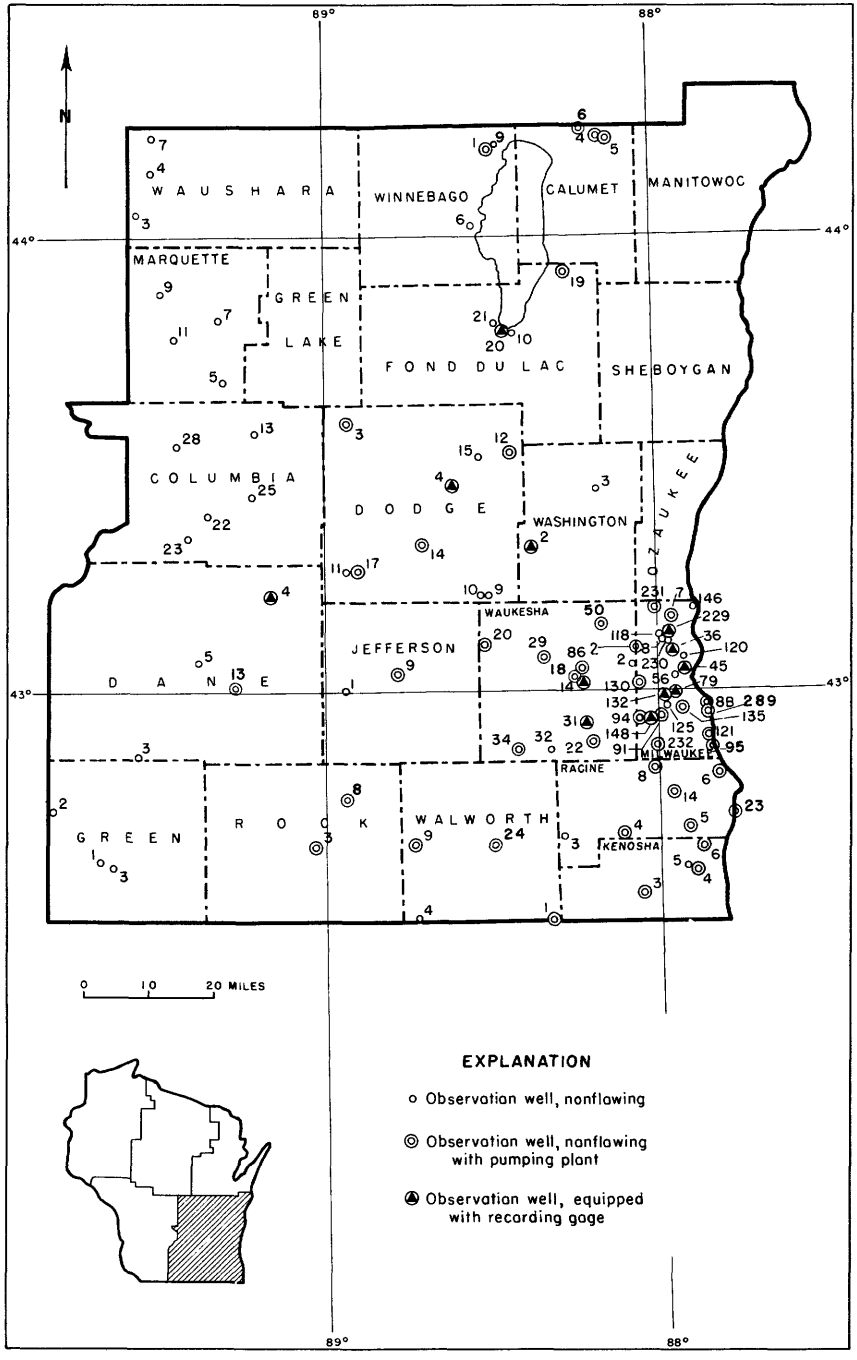

Figure 23.--Location of observation wells in southeastern Wisconsin, 1952.

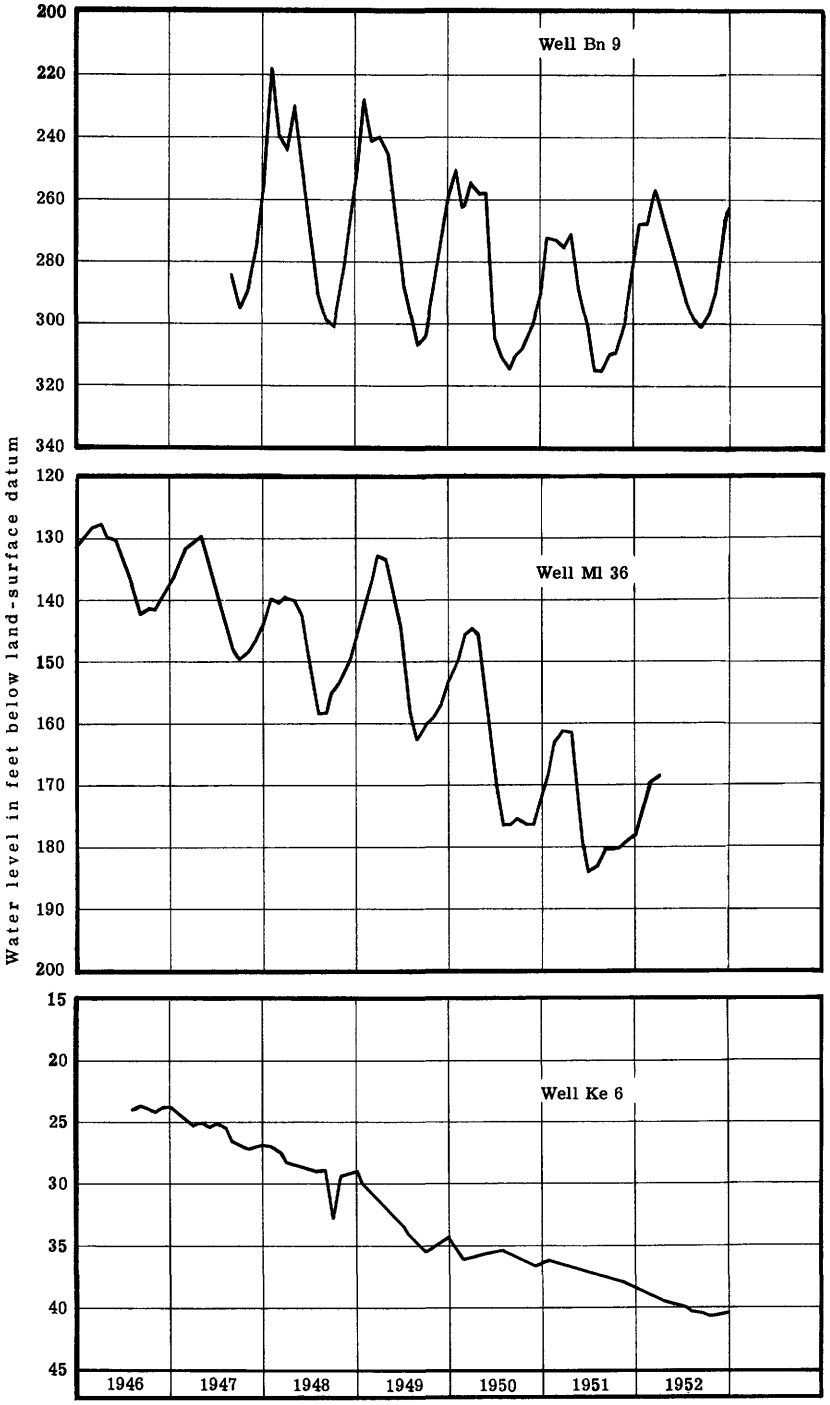

Figure 24. --Water levels in wells Bn-9, Ml-36, and Ke-6, Wisconsin.

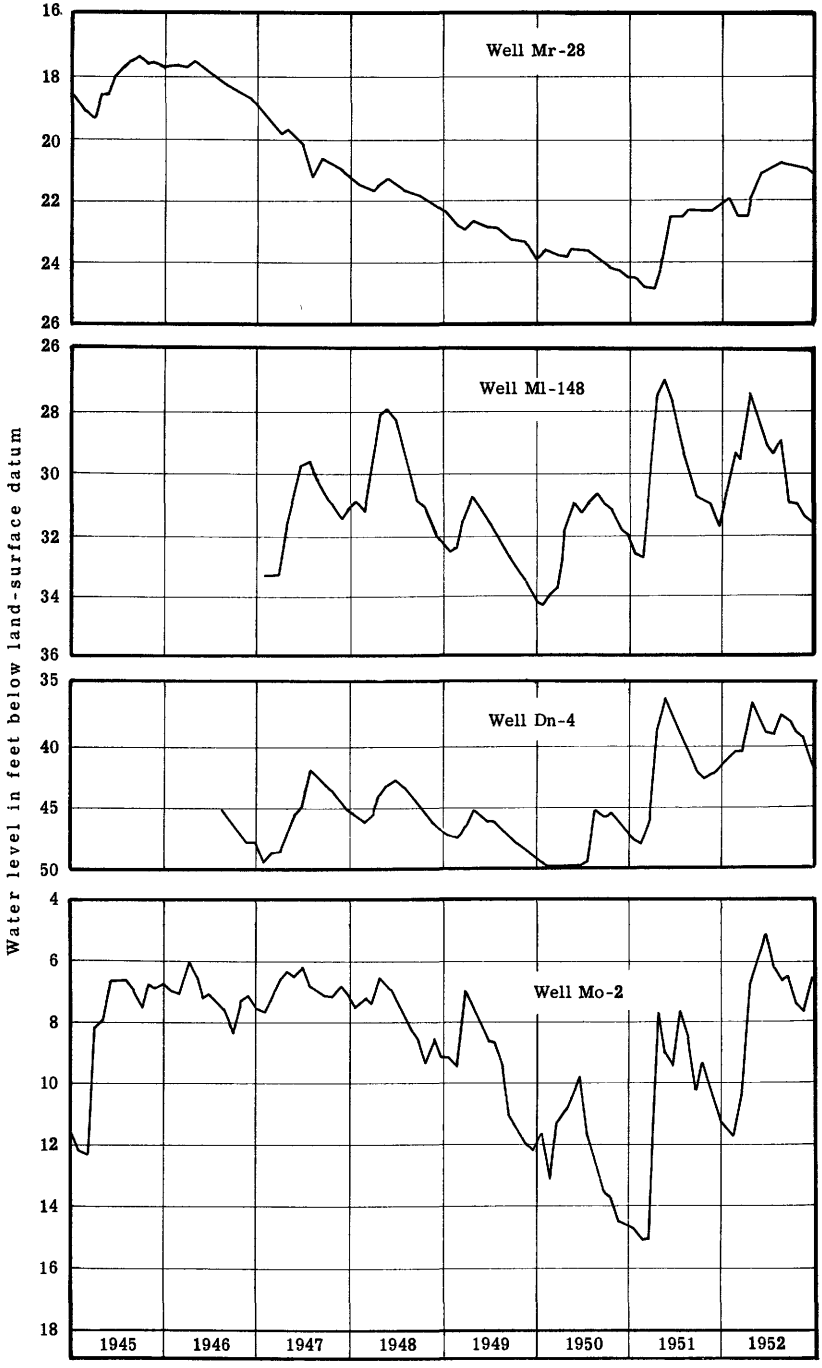

Figure 25.--Water levels in wells Mr-28, Ml-148, Dn-4, and Mo-2, Wisconsin.

Adams County

Ad 2. Wisconsin Conservation Department. NW¼SW¼ sec. 5, T. 17 N., R. 6 E. Jetted unused water-table well in sand of Pleistocene age, diameter 2 inches, depth 21 feet. Highest water level 12.96 below lsd, Aug. 18, 1952; lowest 15.06 below lsd, Dec. 29, 1952. Records available: 1952.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 21	13.90	Sept. 2	13.22	Oct. 13	14.05	Nov. 25	14.76
28	12.83	8	13.20	20	14.16	Dec. 2	14.83
Aug. 4	13.03	15	13.47	26	14.29	9	14.89
11	13.08	22	13.61	Nov. 3	14.41	15	14.95
18	12.96	29	13.75	10	14.53	22	15.00
25	13.07	Oct. 6	13.89	17	14.65	29	15.06

Ashland County

As 1. Lake Superior District Power Co. NE¼NE¼ sec. 6, T. 46 N., R. 4 W. Drilled unused water-table well in sandstone, diameter 4 inches, reported depth 90 feet, cased to 15. Highest water level 1.05 below lsd, Apr. 10, 1950; lowest 4.15 below lsd, Sept. 27, 1948. Records available: 1943-45, 1947-52.

Jan. 7	2.30	May 26	2.65	Aug. 4	2.20	Oct. 20	2.95
14	2.27	June 2	2.65	12	2.75	28	2.85
28	2.12	9	2.85	19	2.55	Nov. 3	2.93
Feb. 5	2.10	18	2.33	Sept. 1	2.55	10	2.89
18	2.95	23	2.55	8	2.80	17	2.84
Mar. 31	2.57	July 1	1.75	22	2.79	24	2.85
Apr. 15	2.38	7	2.22	23	2.85	Dec. 1	2.73
21	2.55	14	2.32	29	2.95	9	2.41
May 5	2.45	20	1.45	Oct. 6	3.01	16	2.55
12	2.05	28	2.15	13	2.95	29	2.58
19	2.42						

Brown County

Bn 9. Larsen Canning Co. 320 North Broadway, Green Bay. Drilled unused artesian well in sandstone, diameter 8 inches, depth 800 feet. Highest water level 210.87 below lsd, Apr. 19, 1948; lowest 315.50 below lsd, Aug. 3, 1951. Records available: 1947-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	272.50	273.78	.....	255.90	266.51	253.32	.....	292.84	294.46	292.75	288.34	262.99
2	272.65	274.86	.....	256.71	267.72	257.10	.....	291.85	291.43	294.64	285.41	263.18
3	271.52	271.71	.....	255.23	266.56	260.16	.....	287.23	289.78	295.81	282.32	268.07
4	272.91	277.91	.....	257.38	261.67	259.82	.....	288.17	291.09	291.60	278.76	266.18
5	272.63	276.70	.....	254.12	265.35	263.38	.....	286.37	294.24	291.16	278.63	264.61
6	269.60	275.30	.....	249.93	263.62	265.10	.....	260.37	292.41	295.20	279.15	263.13
7	275.47	.....	.....	252.22	265.12	276.10	.....	283.19	291.40	296.21	280.76	263.93
8	276.00	.....	.....	251.90	263.03	269.58	.....	285.98	292.81	295.98	280.97	263.12
9	272.75	.....	.....	252.93	262.82	275.00	.....	285.43	291.43	295.51	280.50	264.09
10	272.61	.....	.....	253.30	261.60	.....	.....	281.38	297.85	294.51	275.42	264.34
11	275.70	.....	249.50	255.50	260.73	.....	.....	281.96	288.42	295.60	275.44	263.66
12	274.30	.....	255.95	253.89	258.20	.....	.....	282.07	302.73	293.48	275.20	264.12
13	267.93	.....	250.82	250.70	258.82	.....	.....	281.91	304.49	292.32	278.62	261.82
14	276.43	.....	254.23	255.86	259.48	.....	.....	284.23	304.93	294.38	280.70	258.87
15	275.50	.....	256.36	253.18	259.92	.....	.....	284.81	303.73	293.67	279.19	260.44
16	277.51	.....	250.67	255.29	259.68	.....	.....	286.33	302.86	292.69	278.25	262.22
17	275.88	.....	249.28	251.14	262.61	.....	.....	286.17	300.96	291.26	276.54	260.72
18	274.93	.....	251.23	250.84	256.22	.....	.....	285.96	300.52	292.21	275.30	263.90
19	272.71	.....	252.67	254.82	259.79	.....	.....	287.18	300.65	288.69	272.95	263.41
20	270.73	.....	250.97	250.12	260.55	.....	.....	288.77	300.64	286.13	278.40	262.91
21	276.53	.....	256.32	253.86	260.68	.....	.....	290.53	297.50	285.71	278.41	259.30
22	274.61	.....	253.81	253.04	256.22	.....	290.13	288.58	295.00	288.07	275.75	260.11
23	277.28	.....	251.01	255.81	256.43	.....	290.82	290.48	295.00	289.01	273.28	257.51
24	274.21	.....	252.08	258.11	255.00	.....	290.24	288.66	296.20	288.50	274.46	260.14
25	274.85	.....	253.79	258.00	249.30	.....	292.19	286.76	295.15	289.12	273.31	257.51

Bn 9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	277.93	.....	257.46	257.70	252.53	.....	293.43	290.36	295.25	285.81	273.50	255.19
27	272.57	.....	255.12	252.88	252.68	.....	286.24	293.54	297.25	286.01	272.64	254.97
28	273.23	.....	256.50	258.01	256.81	.....	292.25	296.64	295.14	287.66	269.82	.....
29	273.09	.....	257.67	258.56	255.67	.....	291.08	298.20	292.88	287.43	267.45	.....
30	271.67	.....	255.51	263.42	252.62	.....	289.81	297.58	293.70	288.00	264.36	251.44
31	272.09		254.77		251.87		290.72	295.83		288.78		254.10

Bn 11. City of De Pere. Broadway and George Sts. Drilled unused artesian well in sandstone, diameter 12 inches, reported depth 835 feet. Land-surface datum is 612 feet above msl. Highest water level 85.32 below lsd, May 12, 1947; lowest 150.50 below lsd, Sept. 13, 1952. Records available: 1946-52.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	127.84	134.82	129.87	.....	142.90	143.40	146.58	144.74	141.52
2	133.20	136.01	126.06	.....	144.03	144.14	146.31	143.62	142.10
3	134.71	129.58	129.75	.....	143.75	144.50	145.88	144.71	141.22
4	135.20	131.63	128.97	.....	143.67	145.18	145.81	143.95	141.71
5	133.34	131.60	130.32	.....	143.80	145.35	144.92	144.00	141.77
6	129.35	131.60	130.47	.....	144.27	145.20	144.68	143.92	141.65
7	133.80	131.05	.....	.....	144.24	144.33	144.51	143.70	141.28
8	132.48	131.27	.....	.....	144.66	146.51	144.80	144.05	140.97
9	130.50	129.87	.....	.....	143.73	147.01	145.00	142.97	141.23
10	131.49	125.15	.....	.....	142.54	148.01	145.21	143.74	141.29
11	132.31	131.24	.....	.....	142.38	148.75	145.92	143.63	141.26
12	131.94	129.09	128.70	.....	142.03	149.84	143.96	143.52	141.24
13	127.03	131.23	129.04	.....	142.58	150.50	145.08	143.71	141.30
14	131.57	131.01	129.39	.....	143.72	148.50	144.92	143.70	140.21
15	132.92	131.71	129.20	133.82	143.72	147.37	145.30	145.37	141.23
16	131.82	130.86	124.00	133.19	143.65	147.34	144.90	143.51	140.61
17	131.63	126.37	129.42	134.11	142.64	147.10	145.13	143.12	140.83
18	133.00	129.95	128.53	.....	143.72	146.67	144.94	143.22	141.12
19	132.07	130.18	129.91	.....	143.69	146.26	143.78	142.52	140.66
20	127.35	129.75	129.99	.....	143.34	146.20	144.53	142.61	140.27
21	132.06	130.20	129.35	.....	143.22	145.33	144.45	143.30	139.60
22	131.01	130.56	127.84	137.04	143.18	145.50	144.78	143.09	139.90
23	131.82	131.15	123.80	137.90	143.34	145.88	144.68	142.31	139.69
24	132.66	126.60	.....	139.36	142.13	145.87	145.00	142.59	140.10
25	130.97	129.94	.....	138.45	143.56	145.86	144.98	142.93	138.82
26	131.86	130.40	.....	140.07	143.82	145.96	143.82	143.15	139.87
27	129.50	130.44	.....	139.39	144.25	147.19	144.45	142.44	140.32
28	132.38	130.01	.....	141.95	145.16	146.02	144.43	141.18	138.90
29	131.07	130.42	.....	142.58	145.09	147.10	144.37	142.40	140.43
30	131.53		.....	143.59	145.68	146.65	145.24	140.85	141.41
31	131.31		.....	142.84	144.34		144.57		140.12

* No record for April, May, and June.

Bn 13. William Herber. SW¼NE¼ sec. 18, T. 24 N., R. 20 E. Drilled stock artesian well in St. Peter sandstone and Platteville limestone, diameter 6 inches, reported depth 250 feet, cased to 90. Land-surface datum is 681 feet above msl. Highest water level 12.13 below lsd, June 25, 1947; lowest 20.84 below lsd, Dec. 9, 1949. Records available: 1947-52. Feb. 7, 14.58; Apr. 10, 13.27; June 12, 14.35; Aug. 14, 16.78; Oct. 9, 18.80; Dec. 4, 18.61.

Bn 14. Village of Pulaski. NW¼NE¼ sec. 6, T. 25 N., R. 19 E. Drilled municipal artesian well in sandstone, diameter 12 inches, reported depth 330 feet, cased to 118. Land-surface datum is 803 feet above msl. Highest water level 31.89 below lsd, May 29, 1947; lowest 39.10 below lsd, Sept. 23, 1949. Records available: 1947-51. No measurement made in 1952.

Bn 15. Larsen Canning Co. SE¼NE¼ sec. 35, T. 24 N., R. 19 E. Drilled unused artesian well in sandstone, diameter 6 inches, reported depth 500 feet. Land-surface datum is 660 feet above msl. Highest water level 0.03 above lsd, Aug. 19, 1947; lowest 16.69 below lsd, Oct. 9, 1952. Records available: 1947-52. Feb. 7, 9.80; Apr. 10, 8.68; June 12, 8.03; Aug. 14, 13.30; Oct. 9, 16.69; Dec. 4, 16.50.

Bn 16. Larsen Canning Co. SE¼NE¼ sec. 35, T. 24 N., R. 19 E. Drilled domestic and stock artesian well in sandstone, diameter 8 inches, reported depth 800 feet. Land-surface datum is 659 feet above msl. Highest water level 3.98 below lsd, May 13, 1947; lowest 29.97 below lsd, Oct. 9, 1952. Records available: 1947-52. Feb. 7, 20.63; Apr. 10, 19.36; June 12, 18.26; Aug. 14, 26.23; Oct. 9, 29.97; Dec. 4, 29.25.

Bn 43. Harry Nick. SW¼SW¼ sec. 2, T. 24 N., R. 20 E. Drilled unused artesian well in St. Peter sandstone, diameter 5 inches, depth 297 feet. Highest water level 7.72 below lsd, Mar. 18, 1948; lowest 43.70 below lsd, Oct. 8, 1952. Records available: 1948-52. Feb. 6, 27.76; Apr. 9, 27.27; June 12, 29.84; Aug. 13, 39.11; Oct. 8, 43.70; Dec. 3, 41.03.

Bn 51. Larsen Orchards. NW¼NE¼ sec. 29, T. 24 N., R. 20 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 800 feet. Land-surface datum is 698 feet above msl. Highest water level 114.35 below lsd, May 25, 1950; lowest 123.30 below lsd, Oct. 9, 1952. Records available: 1948-52. Feb. 7, 116.06; Apr. 10, 114.80; June 12, 114.70; Aug. 14, 121.05; Oct. 9, 123.30; Dec. 4, 122.03.

Bn 52. Suamico Dairy and Locker Co. NE¼NE¼ sec. 22, T. 25 N., R. 20 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 540 feet. Land-surface datum is 606 feet above msl. Highest water level 7.00 above lsd, Sept. 22, 1949; lowest 1.2 above lsd, Dec. 3, 1952. Records available: 1948-52. Feb. 6, +3.2; Apr. 9, +4.0; June 12, +3.4; Aug. 13, +3.5; Oct. 8, +2.4; Dec. 3, +1.2.

Bn 54. William Dulgar. SE¼NE¼ sec. 30, T. 24 N., R. 20 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 275 feet. Land-surface datum is 699 feet above msl. Highest water level 90.61 below lsd, June 10, 1949; lowest 97.06 below lsd, Oct. 9, 1952. Records available: 1948-52. Feb. 7, 91.41; Apr. 10, 90.81; June 12, 90.89; Aug. 14, 95.05; Oct. 9, 97.06.

Bn 63. Joseph Michaels. SW¼NE¼ sec. 15, T. 24 N., R. 20 E. Drilled domestic and stock artesian well in sandstone, diameter 6 inches, reported depth 404 feet, cased to 90. Land-surface datum is 596 feet above msl. Highest water level 93.44 below lsd, May 5, 1949; lowest 159.27 below lsd, Oct. 8, 1952. Records available: 1948-52. Feb. 6, 113.94; Apr. 9, 112.17; June 11, 137.25; Aug. 13, 149.90; Oct. 8, 159.27; Dec. 3, 140.94.

Bn 72. Gregoire Denis. NE¼SE¼ sec. 13, T. 24 N., R. 21 E. Drilled domestic artesian well in sandstone, diameter 8 to 6 inches, reported depth 1,006 feet, cased to 400. Land-surface datum is 735 feet above msl. Highest water level 233 below lsd, Feb. 8, 1950; lowest 259 below lsd, Dec. 3, 1952. Records available: 1949-52. Feb. 6, 249; Apr. 9, 246; June 11, 247; Oct. 7, 258; Dec. 3, 259.

Bn 75. Mrs. Len Keyser. NW¼NE¼ sec. 28, T. 22 N., R. 20 E. Drilled domestic and stock artesian well in sandstone, diameter 6 inches, reported depth 726 feet. Land-surface datum is 710 feet above msl. Highest water level 97.52 below lsd, June 8, 1949; lowest 107.11 below lsd, Oct. 7, 1952. Records available: 1949-52. Feb. 5, 105.01; Apr. 8, 100.50; June 11, 105.00; Aug. 12, 105.14; Oct. 7, 107.11.

Bn 76. Wisconsin Public Service Corp. SE¼NE¼ sec. 24, T. 24 N., R. 20 E. Drilled unused artesian well in sandstone, diameter 5 inches, reported depth 500 feet, cased to 150. Highest water level 166.33 below lsd, Apr. 26, 1950; lowest 214.85 below lsd, Oct. 8, 1952. Records available: 1950-52. Feb. 6, 187.11; Apr. 9, 178.53; June 11, 184.53; Aug. 13, 206.00; Oct. 8, 214.85; Dec. 3, 197.37.

Bn 78. Carl Jenkins. SW¼SW¼ sec. 7, T. 25 N., R. 21 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 198 feet. Highest water level 20.5 above lsd, Sept. 22, 1949; lowest 5.5 above lsd, Apr. 9, 1952. Records available: 1949-52. Feb. 6, +6.0; Apr. 9, +5.5; June 12, +14.5; Oct. 8, +14.3; Dec. 3, +6.8.

Bn 80. Green Bay Packer Corp. NW¼SW¼ sec. 14, T. 25 N., R. 22 E. Drilled domestic artesian well in sandstone, diameter 8 inches, reported depth 1,043 feet. Highest water level 130.36 below lsd, Oct. 6, 1949; lowest 141.31 below lsd, Dec. 3, 1952. Records available: 1949-52. Feb. 6, 138.66; Apr. 9, 138.64; June 11, 138.91; Aug. 13, 139.26; Oct. 7, 140.35; Dec. 3, 141.31.

Bn 81. Robert Cowles. SE¼SE¼ sec. 15, T. 23 N., R. 20 E. Drilled unused well, diameter 6 inches. Highest water level 99.19 below lsd, May 24, 1950; lowest 102.68 below lsd, Dec. 2, 1952. Records available: 1949-52. Feb. 5, 101.40; Apr. 8, 100.88; June 11, 100.76; Aug. 12, 101.45; Oct. 7, 102.50; Dec. 2, 102.68.

Buffalo County

Bf 1. Donald C. De Marce. SW¼SE¼ sec. 29, T. 21 N., R. 12 W. Drilled domestic water-table well in sandstone, diameter 4 inches, depth 78 feet. Highest water level 28.48 below lsd, June 4, 1952; lowest 31.01 below lsd, Jan. 12, 1949. Records available: 1947-52. Jan. 29, 30.09; Mar. 27, 29.30; June 4, 28.48; Aug. 7, 28.62; Oct. 23, 29.32; Dec. 18, 29.43.

Burnett County

Bt 2. Wisconsin Conservation Department. NE¼NE¼ sec. 17, T. 39 N., R. 16 W. Drilled unused water-table well in sand of Pleistocene age, diameter 8 inches, depth 46 feet. Land-surface datum is 980 feet above msl. Highest water level 31.16 below lsd, July 20, 1952; lowest 34.99 below lsd, Mar. 25, 1951. Records available: 1937-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	34.40	Mar. 22	34.05	June 21	33.89	Oct. 11	33.57
5	34.38	29	34.10	28	33.75	18	33.63
12	34.17	Apr. 1	34.09	July 5	33.88	25	33.61
15	33.97	5	34.09	12	33.89	31	33.61
19	34.11	12	34.09	19	33.76	Nov. 1	33.61
26	34.17	19	34.04	20	31.16	8	33.54
30	34.28	26	33.95	26	33.84	15	33.59
Feb. 1	34.15	30	33.99	31	33.80	22	33.53
4	34.21	May 3	34.00	Aug. 1	33.80	29	33.58
8	34.21	10	33.95	9	33.79	Dec. 1	33.58
15	34.15	14	33.92	16	33.78	6	33.47
22	34.20	17	33.94	20	33.76	13	33.54
29	34.17	22	34.00	23	33.80	20	33.49
Mar. 1	34.13	31	33.94	31	33.67	27	33.47
8	34.24	June 7	33.91	Sept. 23	33.74	31	33.51
15	34.14	14	33.94	Oct. 4	33.64		

Calumet County

Ca 4. Harold Krueger. NE¼SE¼ sec. 12, T. 20 N., R. 19 E. Drilled stock water-table well in limestone and sandstone, diameter 12 inches, reported depth 518 feet, cased to 80. Land-surface datum is 845 feet above msl. Highest water level 24.96 below lsd, July 9, 1951; lowest 30.46 below lsd, Feb. 5, 1951. Records available: 1947-52. Feb. 5, 26.33; Apr. 8, 26.72. Measurement discontinued.

Ca 5. R. A. Huebner. NE¼NW¼ sec. 17, T. 20 N., R. 20 E. Drilled domestic and stock artesian well in limestone and sandstone, diameter 6 inches, reported depth 593 feet, cased to 327. Highest water level 96.49 below lsd, May 24, 1948; lowest 157.15 below lsd, Oct. 7, 1952. Records available: 1947-52. Feb. 5, 124.10; Apr. 8, 146.49; June 10, 109.13; Aug. 12, 109.05; Oct. 7, 157.15; Dec. 2, 144.06.

Ca 6. Fall River Canning Co. NW¼SW¼ sec. 2, T. 20 N., R. 19 E. Drilled well in sandstone 475-1,050 and in Platteville limestone 270-475, diameter 12 to 8 inches, reported depth 1,050 feet, cased to 270. Highest water level 174.12 below lsd, Dec. 2, 1952; lowest 175.37 below lsd, July 31, 1952. Records available: 1952. July 31, 175.37; Oct. 7, 175.32; Dec. 2, 174.12.

Columbia County

Co 13. F. Stollfus. SE¼SW¼ sec. 29, T. 13 N., R. 11 E. Drilled unused water-table well in sandstone, diameter 6 inches, depth 72 feet. Highest water level 53.69 below lsd, Mar. 11, 1952; lowest 58.38 below lsd, Jan. 25, 1951. Records available: 1949-52. Jan. 8, 55.60; Mar. 11, 53.69; May 20, 55.14; July 23, 55.48; Oct. 27, 55.14; Dec. 29, 55.58.

Co 22. Wisconsin Fur and Game Farm. NE¼NE¼ sec. 36, T. 11 N., R. 9 E. Drilled unused water-table well in sandstone, diameter 6 inches, depth 75 feet. Highest water level 51.06 below lsd, Oct. 27, 1952; lowest 55.82 below lsd, Mar. 5, 1951. Records available: 1949-52. Jan. 8, 53.38; Mar. 11, 53.19; May 20, 51.96; July 23, 51.57; Aug. 26, 51.29; Oct. 27, 51.06.

Co 23. H. Storanot. SE¼NE¼ sec. 16, T. 10 N., R. 9 E. Drilled unused artesian well in sandstone, diameter 6 inches. Highest water level 137.80 below lsd, Dec. 29, 1952; lowest 144.25 below lsd, Jan. 10, 1950. Records available: 1949-52. Jan. 8, 140.99; Mar. 11, 140.46; May 20, 140.40; July 25, 139.62; Oct. 27, 138.28; Dec. 29, 137.80.

Co 25. H. Landsverk. NW¼SW¼ sec. 8, T. 11 N., R. 11 E. Drilled unused water-table well in sandstone, diameter 6 inches, depth 138 feet. Highest water level 71.80 below lsd, May 20, 1952; lowest 82.28 below lsd, Dec. 9, 1949. Records available: 1949-52. Jan. 8, 73.67; Mar. 11, 74.40; May 20, 71.80; July 23, 71.85; Aug. 26, 72.38; Oct. 27, 73.12; Dec. 29, 74.21.

Co 28. Flanders. SE¼NW¼ sec. 5, T. 12 N., R. 9 E. Drilled unused water-table well in sandstone, diameter 6 inches, depth 71 feet. Highest water level 0.13 below lsd, Apr. 25, 1951; lowest 2.66 below lsd, Feb. 6-7, 1950. Records available: 1949-52. Jan. 11, 0.81; Mar. 11, 0.21; May 20, 0.39; July 25, 0.49; Sept. 12, 1.12; Oct. 30, 1.44.

Dane County

Dn 3. Gerald Hendrickson. SE¼SE¼ sec. 32, T. 5 N., R. 8 E. Drilled unused well in St. Peter sandstone, diameter 6 inches, reported depth 100 feet. Land-surface datum is 930 feet above msl. Highest water level 55.26 below lsd, July 18, 1951; lowest 67.46 below lsd, Dec. 23, 1947. Records available: 1946-52. Jan. 28, 57.60; Mar. 26, 58.12; June 2, 56.57; Aug. 12, 55.54; Oct. 15, 57.98.

Dn 4. Joseph N. Hanley. NW¼NE¼ sec. 34, T. 9 N., R. 11 E. Sun Prairie. Drilled unused well in St. Peter sandstone, diameter 6 inches, depth 70 feet. Land-surface datum is 966 feet above msl. Highest water level 26.64 below lsd, Mar. 19, 1952; lowest 50.04 below lsd, Mar. 29, 1950. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.83	40.95	40.62	33.50	36.21	37.83	38.05	35.00	34.24	36.39	.....	38.86
2	41.84	40.95	40.57	34.83	36.40	37.77	38.01	34.72	34.44	36.63	.....	.....
3	41.76	40.97	40.51	35.90	36.40	37.88	38.10	34.64	34.57	36.63	.....	.....
4	41.65	40.67	40.86	36.12	36.35	37.95	38.19	34.40	34.64	36.63	.....	.....
5	41.63	40.83	40.92	36.33	36.38	37.85	38.21	34.43	34.61	36.75	38.40	.....
6	41.73	40.85	40.93	36.37	36.64	37.97	38.19	34.34	34.86	36.90	38.68	.....
7	41.67	40.81	41.01	36.39	36.68	38.03	38.18	34.19	34.89	36.94	.....	.....
8	41.53	.....	40.89	36.35	36.59	38.06	38.22	34.02	34.87	36.87	.....	.....
9	41.79	.....	40.65	36.36	36.53	38.10	38.24	33.78	34.92	37.06	.....	.....
10	42.01	.....	40.64	36.54	36.57	38.25	38.24	32.43	34.98	37.10	.....	.....
11	41.85	.....	38.23	36.51	36.59	38.40	38.42	33.08	35.07	37.01	38.87	40.27
12	41.85	.....	38.23	36.33	36.79	38.10	38.48	33.51	35.06	37.01	38.92	40.32
13	41.73	.....	39.71	36.07	36.86	37.08	38.44	33.58	35.07	37.24	38.86	40.29
14	41.75	40.62	40.05	35.30	36.77	36.33	38.44	33.42	35.07	37.32	38.87	.....
15	41.99	40.57	39.37	34.37	36.99	36.92	38.52	33.34	35.20	37.31	39.09	.....
16	41.96	40.44	39.92	34.92	37.07	37.53	38.55	33.51	35.18	37.44	39.12	40.41
17	41.58	40.47	39.86	35.47	37.16	37.87	38.61	33.62	35.23	37.61	39.11	40.58
18	41.55	40.48	38.66	35.83	37.21	37.88	38.56	33.69	35.46	37.57	39.13	.....
19	41.23	40.43	31.33	36.04	37.15	38.00	35.70	33.63	35.67	37.85	39.20	.....
20	41.37	40.23	35.68	36.10	37.06	37.95	35.81	33.60	35.75	37.94	39.32	40.52
21	41.30	40.51	35.58	36.05	37.25	37.87	35.36	33.91	35.81	37.82	39.44	40.62
22	40.90	40.56	36.09	36.11	37.28	37.89	36.58	33.98	35.83	37.72	39.43	40.60
23	41.20	40.47	37.45	36.21	37.24	37.93	36.74	33.95	35.96	37.83	39.60	40.69
24	41.17	40.56	37.85	36.16	37.24	37.73	33.32	33.93	36.01	37.88	39.62	40.79
25	40.84	40.57	37.86	36.00	37.40	37.75	34.76	33.99	35.96	37.94	39.45	40.81
26	40.95	40.40	37.47	36.07	37.46	38.00	35.68	33.98	36.15	37.85	38.64	40.82
27	40.98	40.01	36.29	36.04	37.48	38.04	35.82	33.99	36.09	38.06	38.80	41.00
28	40.96	40.34	36.23	36.14	37.60	37.97	35.79	34.04	36.19	38.24	38.87	40.88
29	40.97	40.47	36.67	36.22	37.63	37.98	34.59	34.14	36.35	.....	38.84	40.78
30	.....		35.58	36.27	37.52	38.04	35.22	34.11	36.32	.....	38.97	40.94
31	40.81		32.23		37.72		36.24	34.11		.....		41.96

Dn 5. State of Wisconsin. NE¼NE¼ sec. 23, T. 7 N., R. 9 E. In south wing of Capitol Bldg. Drilled unused artesian well in sandstone of Cambrian age, diameter 8 inches, reported depth 1,015 feet. Highest water level 86.00 below lsd, June 17, 1952; lowest 105.28 below lsd, July 21, 1946. Records available: 1946-52. Apr. 15, 84.89; June 17, 86.00; Sept. 16, 86.68; Oct. 14, 86.85; Dec. 12, 86.11.

Dodge County

Dg 3. A. A. Corrigan. NW¼SE¼ sec. 15, T. 13 N., R. 13 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 170 feet. Land-surface datum is 909 feet above msl. Highest water level 2.80 below lsd, Apr. 13, 1951; lowest 13.49 below lsd, Oct. 13, 1948. Records available: 1946-52. Feb. 8, 7.51; Apr. 11, 3.81; June 13, 7.45; Aug. 15, 7.23; Oct. 10, 9.03; Dec. 5, 9.81.

Dg 4. City of Horicon. NW¼SW¼ sec. 5, T. 11 N., R. 16 E. Drilled unused artesian well in sandstone, diameter 8 inches, reported depth 650 feet. Land-surface datum is 980 feet above msl. Highest water level 114.67 below lsd, May 17, 1948; lowest 121.68 below lsd, Sept. 27, 1950. Records available: 1947-52.

Dg 4--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	116.95	116.34	116.95	116.02	117.52	116.75	120.82	118.17	118.08	119.11	118.86	117.30
2	117.38	116.32	116.54	116.41	117.18	117.43	120.80	118.19	117.85	119.19	118.17	118.05
3	117.17	116.98	116.38	116.09	116.95	117.94	120.54	117.31	118.00	119.09	118.42	117.40
4	117.11	116.67	116.96	116.74	117.38	117.45	119.17	117.58	118.01	118.30	118.57	117.56
5	117.90	117.42	117.64	116.02	117.17	117.91	119.31	117.44	117.92	117.89	118.57	118.27
6	117.23	117.70	117.05	115.83	117.51	117.65	119.65	117.41	118.13	117.80	119.03	117.20
7	117.52	117.17	117.84	116.60	117.58	.....	119.83	116.94	117.64	118.45	118.94	117.18
8	117.10	116.84	116.95	116.04	117.02	.....	120.12	116.82	117.34	118.28	118.91	117.53
9	117.61	116.88	116.66	116.80	117.22	.....	120.30	116.87	117.85	117.70	118.17	117.76
10	117.49	117.01	117.17	116.16	116.72	118.07	120.45	116.13	117.50	117.73	118.70	117.20
11	117.91	117.18	116.57	116.84	117.05	118.02	121.03	116.31	117.77	117.64	118.56	117.23
12	117.33	116.67	116.48	116.02	116.92	117.72	120.53	116.38	118.57	117.92	118.93	118.00
13	116.94	116.70	116.51	116.00	116.90	117.54	120.70	116.94	119.34	117.57	118.85	117.37
14	117.72	117.57	.....	115.66	117.36	117.81	120.69	116.42	118.66	118.05	118.75	117.90
15	117.02	116.80	.....	116.18	116.87	117.07	119.91	116.43	118.76	118.25	118.75	117.27
16	117.58	117.31	.....	115.89	117.33	117.65	119.90	116.39	118.92	118.69	118.55	117.23
17	116.72	116.51	.....	116.60	117.50	117.88	120.42	116.17	119.16	118.75	118.20	117.97
18	116.80	117.17	.....	116.04	116.76	117.27	120.36	116.29	119.81	118.69	118.63	117.46
19	116.70	116.67	.....	116.61	116.81	118.06	119.58	116.52	119.41	117.87	118.48	118.22
20	116.49	117.40	115.91	115.74	117.22	117.40	119.35	116.58	119.40	118.41	118.96	117.49
21	117.20	117.00	116.83	116.59	117.23	117.62	118.55	117.03	119.30	118.17	118.50	117.85
22	116.69	117.49	116.13	116.19	118.05	117.36	118.38	117.27	119.47	118.58	118.50	117.13
23	117.41	116.89	115.86	116.28	117.31	117.30	118.66	117.68	119.75	118.94	118.32	117.02
24	117.06	116.81	116.09	116.94	117.04	118.32	118.09	117.67	119.45	118.70	117.98	117.79
25	117.41	117.63	116.87	116.32	117.31	119.14	118.13	117.63	119.42	118.66	117.58	116.88
26	116.95	116.84	116.13	116.91	117.22	119.57	118.12	117.73	119.47	118.30	117.27	117.22
27	116.35	117.03	116.80	116.02	117.14	119.82	117.86	117.80	119.12	118.29	118.00	117.97
28	116.84	117.24	116.80	116.66	117.16	120.09	117.52	118.33	118.59	118.73	117.83	116.86
29	116.20	117.41	116.13	116.53	117.60	120.28	117.63	117.94	118.82	118.70	117.38	117.79
30	117.00		115.87	117.06	117.15	120.57	117.73	117.90	118.74	118.50	117.76	117.22
31	116.30		116.40		116.87		117.80	117.82		118.68		117.26

Dg 9. Ashippun Fire Department. SE¼SE¼ sec. 30, T. 9 N., R. 17 E. Drilled unused water-table well, diameter 4 inches, reported depth 60 feet. Highest water level 5.60 below lsd, Apr. 15, 1952; lowest 14.83 below lsd, Dec. 7, 1949. Records available: 1946-52. Apr. 15, 5.60; June 17, 9.43; Aug. 19, 7.52; Oct. 14, 11.89; Dec. 10, 10.86.

Dg 10. Ashippun Fire Department. SE¼SE¼ sec. 30, T. 9 N., R. 17 E. Drilled unused artesian well, diameter 6 inches, reported depth 200 feet. Land-surface datum is 868 feet above msl. Highest water level 8.09 below lsd, May 25, 1951; lowest 11.82 below lsd, Dec. 7, 1949. Records available: 1946-52. Feb. 14, 8.57; Apr. 15, 8.87; June 17, 8.46; Aug. 19, 8.26; Oct. 14, 9.06; Dec. 10, 8.89.

Dg 11. F. C. Etscheid. SE¼SW¼ sec. 1, T. 9 N., R. 13 E. Drilled unused artesian well, diameter 6 inches, reported depth 1,880 feet. Highest water level 16.24 below lsd, Mar. 27, 1952; lowest 49.87 below lsd, Mar. 29-30, 1950. Records available: 1946-52. Mar. 27, 16.24; June 3, 21.63; Sept. 1, 20.57; Nov. 18, 36.10.

Dg 12. Baker Canning Co. NW¼SE¼ sec. 10, T. 12 N., R. 17 E. Drilled industrial artesian well in sandstone, diameter 10 to 8 inches, reported depth 955 feet, cased to 353. Land-surface datum is 956 feet above msl. Highest water level 38.41 below lsd, May 3, 1948; lowest 75.80 below lsd, July 26, 1950. Records available: 1946-52. Apr. 15, 56.23; June 17, 62.50; Oct. 14, 60.96; Dec. 10, 61.14.

Dg 14. Chicago & North Western Railway. NE¼NE¼ sec. 21, T. 10 N., R. 15 E. Drilled railroad artesian well in sandstone, diameter 12 inches, reported depth 700 feet, cased 0-276, 388-430. Land-surface datum is 883 feet above msl. Highest water level 37.42 below lsd, Apr. 15, 1952; lowest 54.20 below lsd, Sept. 12, 1946. Records available: 1946-52. Apr. 15, 37.42; June 17, 38.85; Sept. 16, 41.83; Dec. 10, 40.63.

Dg 15. Mayville Construction Co. SW¼NW¼ sec. 13, T. 12 N., R. 16 E. Drilled unused artesian well in sandstone, diameter 12 inches, reported depth 1,083 feet, cased to 232. Land-surface datum is 924 feet above msl. Highest water level 15.65 below lsd, Apr. 15, 1952; lowest 25.99 below lsd, Dec. 18, 1946. Records available: 1946-52. Apr. 15, 15.65; June 15, 16.78; Sept. 1, 16.65; Oct. 14, 17.73; Dec. 10, 18.21.

Dg 17. F. C. Etscheid. SE¼SW¼ sec. 1, T. 9 N., R. 13 E. Dug domestic and stock water-table well in deposits of Pleistocene age, diameter 4 feet, reported depth 90 feet. Highest water level 3.07 below lsd, Mar. 27, 1952; lowest 86.12 below lsd, Nov. 2, 1949. Records available: 1948-52. Mar. 27, 3.07; June 3, 29.55; Nov. 18, 77.73.

Door County

Dr 5. City of Sturgeon Bay. NE¼NW¼ sec. 8, T. 27 N., R. 26 E. Drilled municipal artesian well in Niagara dolomite and St. Peter sandstone, diameter 12 inches, reported depth 1,169 feet, cased to 69. Land-surface datum is 582 feet above msl. Highest water level 2.40 above lsd, Apr. 12, 1951; lowest 9.51 below lsd, Aug. 13, 1948. Records available: 1946-52. Feb. 6, -0.80; Apr. 9, +2.14; June 11, -3.89; Aug. 13, -4.65; Oct. 8, -6.63; Dec. 3, -7.87.

Dr 7. Fred Peterson. NE¼NE¼ sec. 30, T. 29 N., R. 27 E. Drilled unused artesian well in Niagara dolomite, diameter 4 inches, depth 111 feet. Highest water level 12.18 below lsd, Mar. 24, 1947; lowest 52.40 below lsd, Dec. 7, 1949. Records available: 1946-52. Feb. 6, 36.67; Apr. 9, 27.21; June 11, 45.80; Aug. 13, 46.30; Oct. 8, 46.36; Dec. 3, 46.98.

Dr 11. Charles Telesphore. SW¼SW¼ sec. 22, T. 26 N., R. 23 E. Drilled stock artesian well in sandstone and Niagara dolomite, diameter 6 inches, reported depth 816 feet, cased to 60. Land-surface datum is 630 feet above msl. Highest water level 42.16 below lsd, Sept. 20, 1950; lowest 51.95 below lsd, Dec. 3, 1952. Records available: 1950-52. Feb. 6, 46.02; Apr. 9, 46.46; June 11, 46.68; Aug. 13, 46.93; Oct. 8, 47.39; Dec. 3, 51.95.

Dr 12. William Destree. SW¼NE¼ sec. 19, T. 27 N., R. 24 E. Drilled domestic and stock artesian well in sandstone and Niagara dolomite, diameter 6 inches, reported depth 740 feet. Land-surface datum is 648 feet above msl. Highest water level 8.58 below lsd, Apr. 9, 1952; lowest 49.68 below lsd, Feb. 6, 1951. Records available: 1950-52. Feb. 6, 37.26; Apr. 9, 8.58; June 11, 27.35; Aug. 13, 43.57; Oct. 8, 38.93; Dec. 3, 43.09.

Douglas County

Ds 1. Wisconsin Conservation Department. NE¼SE¼ sec. 23, T. 47 N., R. 10 W. Drilled artesian well in sand, diameter 8 inches, depth 40 feet, cased to 40. Land-surface datum is 980 feet above msl. Highest water level 26.28 below lsd, Apr. 4, 1952; lowest 29.59 below lsd, July 29, 1939. Records available: 1937-41, 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	26.84	Apr. 11	26.36	July 11	26.63	Oct. 3	26.42
11	26.87	18	26.29	18	26.57	10	26.40
18	26.94	25	26.48	25	26.54	17	26.38
25	26.94	May 2	26.55	Aug. 1	26.59	24	26.38
Feb. 1	26.94	9	26.59	8	26.55	31	26.37
8	26.94	16	26.53	15	26.49	Nov. 7	26.36
15	26.93	23	26.55	22	26.50	14	26.36
22	26.95	30	26.59	29	26.49	21	26.36
29	26.95	June 6	26.62	Sept. 5	26.47	28	26.31
Mar. 7	26.95	13	26.62	12	26.44	Dec. 5	26.34
14	26.97	20	26.63	19	26.44	12	26.34
21	26.96	27	26.63	23	26.45	19	26.36
28	26.69	July 4	26.63	26	26.44	26	26.37
Apr. 4	26.28						

Eau Claire County

EC 13. Eau Claire County. SW¼SW¼ sec. 32, T. 26 N., R. 6 W. Driven unused water-table well in alluvium, diameter 1¼ inches, depth 26 feet, well point. Highest water level 11.91 below lsd, June 5, 1952; lowest 14.98 below lsd, Nov. 29, 1951. Records available: 1951-52. Jan. 29, 14.17; Mar. 28, 13.43; June 5, 11.91; Aug. 7, 13.25; Oct. 23, 14.03; Dec. 18, 14.47.

Fond du Lac County

FL 10. City of Fond du Lac. NW¼SE¼ sec. 11, T. 15 N., R. 17 E. Drilled unused artesian well in St. Peter sandstone and sandstone of Cambrian age, diameter 6 inches, reported depth 595 feet, cased to 143. Land-surface datum is 765 feet above msl. Highest water level 43.65 below lsd, July 30, 1946; lowest 58.03 below lsd, Aug. 27, 1948. Records available: 1946-52. Feb. 5, 49.90; Apr. 8, 49.42; June 10, 52.96; Aug. 12, 56.62. Measurement discontinued.

FL 19. John Steffin. NW¼NE¼ sec. 30, T. 17 N., R. 19 E. Drilled stock artesian well in sandstone, diameter 6 to 4 inches, reported depth 695 feet, cased to 590. Land-surface datum is 895 feet above msl. Highest water level 132.75 below lsd, Jan. 8, 1948; lowest 142.75 below lsd, Apr. 8, 1952. Records available: 1948-52. Feb. 5, 138.32; Apr. 8, 142.75; June 10, 138.56; Aug. 12, 139.09; Oct. 7, 139.57; Dec. 2, 139.50.

FL 20. City of Fond du Lac. SW¼SW¼ sec. 3, T. 15 N., R. 17 E. Drilled unused artesian well in sandstone, diameter 6 inches, reported depth 700 feet. Highest water level 61.77 below lsd, Apr. 22, 1952; lowest 81.37 below lsd, July 12, 1950. Records available: 1950-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63.17	.....	.....	.....	63.04	63.38	63.91	65.44	65.84	65.91	64.84	63.58
2	63.07	.....	.....	.....	63.20	63.17	65.24	65.47	65.72	65.90	64.73	63.72
3	62.69	.....	.....	.....	63.23	63.44	65.40	65.60	65.56	65.41	64.66	63.75
4	62.77	.....	.....	.....	63.23	63.44	64.93	66.50	65.49	64.76	64.35	63.80
5	.....	.....	.....	.....	63.70	63.08	64.88	66.21	65.83	64.70	64.81	64.20
6	.....	.....	.....	.....	63.85	63.44	64.62	66.05	65.89	64.75	65.02	64.06
7	.....	.....	.....	.....	63.81	63.43	64.71	65.78	65.73	64.49	64.82	63.68
8	.....	.....	.....	.....	63.36	63.93	64.83	65.55	65.66	64.29	64.41	63.59
9	.....	.....	.....	.....	63.40	63.96	64.68	65.58	65.84	64.76	64.36	63.57
10	.....	.....	.....	.....	63.28	64.09	64.62	65.73	65.97	65.14	64.35	63.66
11	.....	.....	.....	.....	63.03	64.10	64.82	65.43	66.12	64.80	64.75	63.49
12	.....	.....	.....	.....	62.96	63.83	64.80	65.32	66.42	64.71	64.64	63.74
13	.....	.....	.....	.....	62.79	63.83	65.13	66.04	67.27	64.92	64.42	63.65
14	.....	.....	.....	.....	62.72	63.91	64.80	65.71	67.24	64.68	64.56	63.40
15	.....	.....	.....	.....	63.41	63.82	65.21	66.30	66.37	64.55	64.55	63.34
16	.....	.....	.....	.....	63.38	64.12	65.12	66.48	66.08	64.80	64.48	63.47
17	.....	.....	.....	.....	63.19	64.32	65.30	66.42	65.83	64.84	64.28	63.67
18	.....	.....	.....	62.13	62.99	64.41	65.24	66.18	65.89	64.58	64.33	63.71
19	.....	.....	.....	61.96	62.74	64.47	65.28	66.10	66.11	64.61	64.38	63.80
20	.....	.....	.....	62.00	62.78	64.48	65.06	65.90	65.74	64.53	64.25	63.69
21	.....	.....	.....	61.97	63.08	64.24	65.74	66.31	65.57	64.27	64.46	63.69
22	.....	.....	.....	62.30	63.22	64.20	65.73	66.27	65.62	64.25	64.35	63.45
23	.....	.....	.....	62.34	63.13	63.95	66.02	65.49	65.34	64.32	63.97	63.82
24	.....	.....	.....	62.19	62.95	64.25	65.96	65.21	65.18	64.29	63.93	63.97
25	.....	.....	.....	62.17	62.87	64.66	65.72	65.38	65.62	64.17	63.67	63.80
26	.....	.....	.....	62.15	63.06	64.87	65.73	65.96	65.66	64.25	64.68	63.51
27	.....	.....	.....	62.33	63.22	64.83	65.47	65.95	65.16	64.58	64.67	63.58
28	.....	.....	.....	62.50	63.29	64.60	66.12	66.11	65.31	64.54	64.42	63.46
29	.....	.....	.....	62.73	63.20	64.08	66.07	66.58	65.33	64.77	63.99	63.42
30	.....		.....	62.77	63.07	64.02	65.91	66.29	64.89	64.66	63.81	63.46
31	.....		.....		63.23		65.58	66.06		65.19		63.54

FL 21. Wisconsin Central Railroad. NW¼SW¼ sec. 33, T. 16 N., R. 17 E. Drilled industrial artesian well in limestone of Ordovician age, diameter 8 inches, reported depth 450 feet. Highest water level 29.00 below lsd, Dec. 4, 1951; lowest 34.24 below lsd, Feb. 5, 1951. Records available: 1950-52. Feb. 5, 28.64; Apr. 8, 29.72; June 10, 29.21; Aug. 12, 29.99; Oct. 7, 29.91; Dec. 2, 29.67.

Forest County

Fr 1. Wisconsin State Highway Department. W. M. P. Brule River Profile well 4. NW¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand, diameter 1¼ inches, depth 9 feet, screen 6-9. Land-surface datum is 1,547.86 feet above msl. Highest water level 5.38 below lsd, Apr. 18, 1951; lowest 8.10 below lsd, June 13, 1949. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	7.11	Apr. 30	6.39	July 30	6.45	Oct. 31	7.96
28	6.76	May 27	7.53	Aug. 28	7.60	Dec. 1	7.69
Feb. 28	6.66	June 30	7.22	Sept. 29	7.91	29	7.50
Mar. 28	6.78						

Fr 2. Wisconsin State Highway Department. W. M. P. Brule River Profile well 5. NW¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 18 feet, screen 15-18. Land-surface datum is 1,551.69 feet above msl. Highest water level 8.76 below lsd, May 15, 1950; lowest 11.88 below lsd, May 16, 1949. Records available: 1948-52.

Jan. 3	10.66	Apr. 30	9.59	July 30	9.78	Oct. 31	11.53
28	10.34	May 27	10.89	Aug. 28	10.87	Dec. 1	11.26
Feb. 28	10.26	June 30	10.84	Sept. 29	11.42	29	11.11
Mar. 28	10.40						

Fr 3. Wisconsin State Highway Department. W. M. P. Brule River Profile well 6. SE¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 15 feet, screen 12-15. Land-surface datum is 1,548.38 feet above msl. Highest water level 5.10 below lsd, May 15, 1950; lowest 9.13 below lsd, Oct. 29, 1948. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	7.26	Apr. 30	6.09	July 30	6.33	Oct. 31	8.12
28	6.98	May 27	7.40	Aug. 28	7.60	Dec. 1	7.89
Feb. 28	6.88	June 30	7.48	Sept. 29	7.97	29	7.74
Mar. 28	7.05						

Fr 4. Wisconsin State Highway Department. W.M.P. Brule River Profile well 7. SE¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 17 feet, screen 14-17. Land-surface datum is 1,549.38 feet above msl. Highest water level 6.37 below lsd, May 3, 1951; lowest 8.87 below lsd, Oct. 31, 1952. Records available: 1951-52.

Jan. 3	8.00	Apr. 30	7.23	July 30	7.41	Oct. 31	8.87
28	7.72	May 27	8.28	Aug. 28	8.13	Dec. 1	8.62
Feb. 28	7.56	June 30	8.16	Sept. 29	8.74	29	8.46
Mar. 28	7.95						

Grant County

Gr 4. Henry Jones Estate. NE¼NE¼ sec. 26, T. 6 N., R. 1 W. Drilled unused water-table well in limestone, diameter 6 inches, depth 165 feet. Land-surface datum is 1,160 feet above msl. Highest water level 59.09 below lsd, Oct. 15, 1952; lowest 67.89 below lsd, Apr. 3, 1950. Records available: 1946-52. Jan. 28, 60.43; Mar. 26, 60.13; June 3, 60.75; Aug. 12, 60.54; Oct. 15, 59.09.

Gr 5. Clarence Gratz. SW¼SE¼ sec. 6, T. 5 N., R. 2 W. Drilled unused water-table well in limestone, diameter 5 inches, depth 35 feet. Highest water level 8.90 below lsd, July 16, 1947; lowest 17.33 below lsd, Feb. 28, 1950. Records available: 1946-52. Jan. 28, 11.44; Mar. 26, 11.39; June 3, 11.17; Aug. 12, 12.29; Oct. 15, 13.41.

Green County

Gn 1. Charles Segner. NE¼NE¼ sec. 21, T. 2 N., R. 7 E. Drilled unused well in limestone, diameter 6 inches, depth 71 feet. Highest water level 50.33 below lsd, May 20, 1948; lowest 64.70 below lsd, Jan. 22, 1948. Records available: 1946-52. Jan. 28, 52.43; Mar. 26, 52.33; June 2, 57.40; Aug. 12, 58.40; Oct. 15, 60.81.

Gn 2. Earl Waddington. NE¼NW¼ sec. 18, T. 3 N., R. 6 E. Drilled unused artesian well in sandstone and limestone, diameter 6 inches. Highest water level 125.70 below lsd, Oct. 15, 1952; lowest 136.30 below lsd, Mar. 19, 1947. Records available: 1946-52. Jan. 28, 130.29; Mar. 26, 132.64; June 2, 132.53; Aug. 12, 130.85; Oct. 15, 125.70.

Gn 3. John Waelti, Jr. SE¼SW¼ sec. 23, T. 2 N., R. 7 E. Drilled unused limestone well, diameter 6 inches, depth 103 feet. Highest water level 27.85 below lsd, Mar. 26, 1952; lowest 34.53 below lsd, Feb. 13, 1951. Records available: 1947-52. Jan. 28, 28.28; Mar. 26, 27.85; June 2, 29.73; Aug. 12, 30.94; Oct. 15, 32.21.

Jackson County

Ja 1. L. Epstein. SW¼SE¼ sec. 20, T. 20 N., R. 2 W. Drilled domestic water-table well in sandstone, diameter 6 inches, reported depth 140 feet. Highest water level 7.00 below lsd, Sept. 27, 1951; lowest 18.51 below lsd, Oct. 5, 1950. Records available: 1947-52. Oct. 24, 18.02; Dec. 19, 15.39.

Jefferson County

Je 1. Edmond and James Long. SW¼SE¼ sec. 3, T. 6 N., R. 13 E. Driven unused water-table well in deposits of Pleistocene age, diameter 1½ inches, depth 12 feet, cased to 12. Highest water level above lsd, June 6, 1951; lowest 5.00 below lsd, Nov. 29, 1949. Records available: 1946-52. Aug. 21, 0.19. Measurement discontinued.

Je 9. Chicago & North Western Railway. SE¼SW¼ sec. 25, T. 7 N., R. 14 E. Drilled railroad artesian well in sandstone, diameter 8 inches, reported depth 716 feet, cased to 326. Land-surface datum is 813 feet above msl. Highest water level 15.16 below lsd, Feb. 28, 1949; lowest 34.60 below lsd, Sept. 19, 1949. Records available: 1946-52. Jan. 17, 15.72; Apr. 14, 19.09; July 7, 22.27; Aug. 19, 21.98; Nov. 17, 17.37.

Juneau County

Ju 8. Camp Douglas. SW¼SW¼ sec. 21, T. 17 N., R. 2 E. Drilled unused well in sandstone, diameter 4 inches, depth 64 feet. Highest water level 4.23 below lsd, June 30, 1952; lowest 9.80 below lsd, Mar. 3, 1950. Records available: 1949-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.32	6.60	6.67	....	5.44	5.48	4.33	....	....	6.09	....	....
2	6.34	6.60	6.67	....	5.45	5.46	4.34	....	5.32	6.13	....	....
3	6.34	6.52	6.70	....	5.46	4.89	4.33	....	5.34	6.14	6.66	....
4	6.36	6.49	6.71	....	5.47	4.84	4.34	....	5.36	6.16	6.66	....
5	6.37	6.49	6.72	....	5.57	4.80	4.45	....	5.40	6.18	6.67	....
6	6.40	6.49	6.73	....	5.57	4.80	4.45	....	5.42	6.20	6.68	....
7	6.40	6.49	6.74	....	5.58	4.81	4.45	....	5.45	6.23	6.74	....
8	6.42	6.50	6.74	5.70	5.60	4.92	....	4.85	5.49	6.25	6.75	....
9	6.44	6.51	6.73	5.67	5.58	4.93	....	4.84	5.51	....	6.76	....
10	6.44	6.51	6.74	5.66	5.56	4.94	....	4.80	....	....	6.77	....
11	6.45	6.55	6.75	5.64	5.56	4.91	....	4.86	....	....	6.79	....
12	6.46	6.55	6.75	5.61	5.60	4.70	....	4.87	....	....	6.80	....
13	6.49	6.55	6.72	5.58	5.60	4.60	....	4.89	....	....	6.82	....
14	6.48	6.55	6.71	5.60	5.60	4.57	4.47	4.91	....	....	6.84	....
15	6.48	6.55	6.71	5.52	5.58	4.62	4.47	4.96	....	....	6.85	....
16	6.46	6.54	6.67	5.42	5.60	4.62	4.47	4.98	....	....	6.86	7.19
17	6.44	6.54	6.58	5.35	5.60	4.63	4.48	5.00	....	....	6.88	7.20
18	....	6.54	6.57	5.31	5.63	4.67	4.50	5.06	....	....	6.88	7.21
19	....	6.56	6.54	5.29	5.67	4.68	4.53	5.07	....	....	6.87	7.26
20	....	6.56	6.40	5.28	5.67	4.69	4.54	5.07	....	....	6.90	7.26
21	6.48	6.56	6.27	5.28	5.71	4.70	4.58	5.08	....	....	6.91	7.26
22	6.47	6.58	6.20	5.28	5.72	4.75	4.58	5.15	....	....	6.92	7.27
23	6.46	6.59	6.05	5.29	5.72	4.61	4.60	5.15	....	....	6.93	....
24	6.48	6.61	6.05	5.34	5.57	....	4.62	5.16	....	6.58	6.95	....
25	6.48	6.65	6.06	5.34	5.52	....	4.64	5.19	....	6.59	6.95	....
26	6.50	6.65	6.06	5.33	5.60	....	4.68	5.21	....	6.60	....	....
27	6.51	6.65	6.05	5.33	5.59	....	4.70	5.23	....	6.66	....	....
28	6.54	6.65	6.01	5.40	5.57	....	4.79	5.26	....	6.66	....	....
29	6.59	6.66	5.95	5.45	5.57	....	4.80	5.29	....	6.67	....	7.29
30	6.60		5.87	5.45	5.57	4.33	....	....	....	6.68	....	7.30
31	6.60		5.76		5.56		....	....		6.71		7.31

Kenosha County

Ke 3. Bristol Sales and Service. SW¼SW¼ sec. 8, T. 1 N., R. 21 E. Drilled domestic well in limestone, diameter 8 inches, reported depth 692 feet. Land-surface datum is 765 feet above msl. Highest water level 95.80 below lsd, Dec. 3, 1947; lowest 114.25 below lsd, Jan. 3, 1949. Records available: 1946-52. Apr. 16, 106.63; June 19, 112.59; Aug. 20, 110.74; Oct. 16, 110.23; Dec. 11, 109.95.

Ke 4. Sunset Ridge Memorial Park. NW¼SE¼ sec. 27, T. 2 N., R. 22 E. Drilled domestic and irrigation water-table well, diameter 6 inches, reported depth 190 feet. Land-surface datum is 725 feet above msl. Highest water level 73.70 below lsd, Apr. 16, 1952; lowest 78.95 below lsd, Oct. 16, 1952. Records available: 1946-52. Apr. 16, 73.70; June 19, 75.50; Aug. 20, 76.38; Oct. 16, 78.95; Dec. 11, 77.15.

Ke 5. J. Bishop. SE¼SE¼ sec. 20, T. 2 N., R. 22 E. Dug unused water-table well in deposits of Pleistocene age, diameter 4 feet, depth 28 feet. Land-surface datum is 695 feet above msl. Highest water level 0.41 below lsd, May 10, 1948; lowest 9.86 below lsd, Sept. 29, 1948. Records available: 1946-52. Apr. 16, 1.80; June 19, 3.72; Aug. 20, 3.73; Oct. 16, 5.83; Dec. 11, 4.61.

Ke 6. Kenosha County. NW¼NW¼ sec. 11, T. 2 N., R. 22 E. Drilled irrigation artesian well in sandstone, diameter 10 inches, reported depth 1,751 feet, cased to 492. Land-surface datum is 630 feet above msl. Highest water level 21.10 below lsd, Dec. 3, 1947; lowest 40.75 below lsd, Oct. 16, 1952. Records available: 1946-52. Apr. 16, 39.64; June 19, 39.94; Aug. 20, 40.46; Oct. 16, 40.75; Dec. 11, 40.57.

Lafayette County

Lf 1. Erickson. NW¼SW¼ sec. 25, T. 3 N., R. 5 E. Drilled unused water-table well in limestone, diameter 6 inches, depth 55 feet. Land-surface datum is 820 feet above msl. Highest water level 16.0 below lsd, June 15, 1947; lowest 23.0 below lsd, Nov. 4, 1947. Records available: 1946-52. Jan. 28, 20.45; Mar. 26, 20.14; June 2, 21.37; Aug. 12, 20.96; Oct. 15, 22.41.

Lf 10. Wallace Wedig. NE¼NE¼ sec. 9, T. 2 N., R. 1 E. Drilled unused water-table well in limestone, diameter 6 inches. Highest water level 15.20 below lsd, June 16, 1947; lowest 26.46 below lsd, Feb. 13, 1951. Records available: 1947-52. Jan. 28, 20.95; Mar. 26, 19.25; June 3, 19.55; Aug. 12, 20.87; Oct. 15, 21.86.

Lf 11. Ed. Wiegel. SE¼SE¼ sec. 4, T. 2 N., R. 1 E. Drilled unused water-table well in limestone, diameter 6 inches. Highest water level 23.40 below lsd, July 16, 1947; lowest 34.20 below lsd, Feb. 13, 1951. Records available: 1947-52. Jan. 28, 29.34; Mar. 26, 26.37; June 3, 25.22; Aug. 12, 27.02; Oct. 15, 28.06.

Lf 12. Pearl Ogelthre and others. SE¼SW¼ sec. 33, T. 2 N., R. 4 E. Drilled unused water-table well, diameter 6 inches. Highest water level 20.17 below lsd, June 16, 1947; lowest 38.20 below lsd, Dec. 13, 1949. Records available: 1947-52. Jan. 28, 25.69; Mar. 26, 23.98; June 2, 32.13; Aug. 12, 34.35; Oct. 15, 36.69.

Lf 13. Viola Jeffery Lamont. Formerly F. Viola Jeffery. NE¼NE¼ sec. 34, T. 1 N., R. 2 E. Drilled stock water-table well in limestone, diameter 6 inches, reported depth 175 feet. Highest water level 7.46 below lsd, Nov. 27, 1951; lowest 17.13 below lsd, Oct. 15, 1952. Records available: 1951-52. Jan. 28, 10.01; Mar. 26, 10.12; June 3, 13.28; Aug. 12, 15.46; Oct. 15, 17.13.

Lf 14. Viola Jeffery Lamont. Formerly F. Viola Jeffery. NE¼NE¼ sec. 34, T. 1 N., R. 2 E. Drilled well in Galena dolomite, diameter 6 inches, reported depth 340 feet, cased to 77. Highest water level 129.25 below lsd, Aug. 6, 1951; lowest 153.24 below lsd, Oct. 15, 1952. Records available: 1951-52. May 6, 144.13; June 3, 146.03; July 25, 149.96; Oct. 15, 153.24.

Lf 56. Coulthard Estate. SE¼NE¼ sec. 32, T. 1 N., R. 2 E. Shullsburg. Drilled unused well in Galena dolomite and Platteville limestone, diameter 6 inches, reported depth 265 feet. Land-surface datum is 1,011.7 feet above msl. Highest water level 55.80 below lsd, Apr. 18, 1952; lowest 65.92 below lsd, Dec. 30, 1952. Records available: 1952. Measurement discontinued.

Daily lowest water level from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	56.48	.....	.....	60.64	61.95	63.07	64.10	64.98
2	.....	56.61	.....	59.55	60.68	61.99	63.17	64.22	65.05
3	.....	56.61	58.27	59.62	60.70	62.07	63.09	64.24	65.05
4	.....	56.66	58.31	59.69	60.81	62.05	63.17	64.04	65.03
5	.....	56.76	58.32	59.73	60.88	62.07	63.21	64.17	65.11
6	.....	56.91	58.39	59.74	60.88	62.17	63.24	64.24	65.11
7	.....	56.93	58.44	59.75	60.90	62.14	63.26	64.25	65.16
8	.....	56.96	58.46	59.84	60.88	62.16	63.25	64.25	.....
9	.....	56.95	58.54	59.86	60.99	62.20	63.33	64.31	.....
10	.....	57.00	58.56	59.86	61.00	62.24	63.35	64.34	65.27
11	.....	57.05	.....	59.91	61.07	62.28	63.32	64.34	65.32
12	.....	57.19	.....	59.99	61.13	62.29	63.39	64.37	65.40
13	.....	57.26	.....	60.02	61.16	62.35	63.49	64.37	65.37
14	.....	57.17	.....	60.04	61.18	62.43	63.53	64.42	65.40
15	.....	57.35	.....	60.12	61.23	62.41	63.54	64.50	65.43
16	.....	57.42	.....	60.15	61.29	62.44	63.60	64.51	65.48
17	.....	57.45	58.89	60.21	61.36	62.46	63.66	64.52	65.58
18	h55.80	57.49	58.92	60.21	61.38	62.56	63.62	64.58	65.60
19	.....	57.49	59.05	60.26	61.36	62.62	63.79	64.60	65.57
20	.....	57.49	59.00	60.27	61.42	62.66	63.79	64.66	65.60
21	.....	57.62	59.08	.....	61.52	62.68	63.72	64.70	65.61
22	55.98	57.65	59.13	60.30	61.53	62.69	63.74	64.70	65.59
23	56.20	.....	59.13	60.37	61.54	62.72	63.77	64.77	65.69
24	56.23	.....	.....	60.40	61.57	62.75	63.79	64.78	65.74
25	56.23	.....	.....	60.33	61.60	62.76	63.84	64.68	65.74
26	56.23	.....	.....	60.44	61.64	62.84	63.86	65.02	65.78
27	56.30	.....	.....	60.41	61.70	62.83	63.96	64.99	65.86
28	56.37	.....	.....	60.53	61.72	62.90	64.02	64.99	65.80
29	56.44	.....	.....	60.52	61.78	62.97	64.00	65.01	65.82
30	56.46	.....	.....	60.61	61.80	62.96	63.95	65.06	65.92
31		.....		60.68	61.85		64.09		65.92

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

Langlade County

La 9. U. S. Geol. Survey. SW¼NE¼ sec. 35, T. 31 N., R. 10 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 19 feet, cased to 19, well point. Land-surface datum is 1,470.06 feet above msl. Highest water level 10.29 below lsd, July 1, 1952; lowest 15.15 below lsd, Mar. 5, 1951. Records available: 1948-52. Jan. 9, 13.33; May 21, 13.00; July 1, 10.29; Aug. 27, 12.60; Oct. 28, 12.93; Dec. 30, 13.30.

La 26. U. S. Geol. Survey. SE¼NE¼ sec. 7, T. 31 N., R. 11 E. Driven unused well in sand, diameter 1¼ inches, depth 23 feet, cased to 23. Land-surface datum is 1,522.66 feet above msl. Highest water level 3.42 below lsd, June 2, 1945; lowest 10.79 below lsd, Jan. 7, 1951. Records available: 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	6.79	Apr. 1	7.32	July 1	6.07	Oct. 7	6.78
8	6.80	7	6.53	8	5.69	14	6.98
15	7.14	15	6.31	15	5.88	21	7.05
22	7.10	23	5.99	22	4.60	27	7.48
29	7.35	30	6.05	29	5.00	Nov. 4	7.22
Feb. 6	7.45	May 6	6.96	Aug. 5	5.22	11	7.50
13	7.48	13	6.70	12	5.39	18	7.46
19	7.67	20	6.30	19	6.61	25	7.72
26	7.82	27	6.40	27	5.80	Dec. 2	7.80
Mar. 4	7.53	June 3	6.56	Sept. 3	5.76	9	7.97
11	8.52	10	6.60	9	6.20	16	8.14
18	7.97	17	6.90	15	6.21	24	8.15
25	8.19	24	6.87	23	6.50	30	8.27

La 27. Julius and Sabina Boelter. NW¼NW¼ sec. 8, T. 31 N., R. 12 E. Drilled stock well in sand, diameter 4 inches. Highest water level 79.51 below lsd, June 24, 1948; lowest 84.11 below lsd, July 1, 1952. Records available: 1948, 1952.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 24, 1948	79.51	Mar. 12, 1952	81.69	July 1, 1952	84.11	Oct. 28, 1952	80.43
Jan. 9, 1952	81.63	May 21	81.22	Aug. 27	80.71	Dec. 30	80.39

La 44. J. Jacobus. NE¼NW¼ sec. 32, T. 32 N., R. 11 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 26 feet. Land-surface datum is 1,584.34 feet above msl. Highest water level 20.83 below lsd, July 1, 1952; lowest 24.07 below lsd, Mar. 22, 1950. Records available: 1948-52. Jan. 9, 22.41; May 21, 21.29; June 24, 21.55; July 1, 20.83; Aug. 27, 21.03; Oct. 28, 21.14; Dec. 30, 21.37.

La 64. Wisconsin Conservation Department. NW¼SE¼ sec. 20, T. 31 N., R. 11 E. Driven unused water-table well in sand, diameter 2 inches, reported depth 20 feet. Land-surface datum is 1,507.93 feet above msl. Highest water level 12.84 below lsd, May 12, 1952; lowest 16.46 below lsd, Jan. 31, 1949. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	14.38	Apr. 7	13.71	July 14	13.66	Oct. 13	14.37
14	14.42	14	13.57	21	13.42	20	14.58
21	14.46	21	13.48	28	13.28	27	14.62
28	14.64	28	13.52	Aug. 4	13.27	Nov. 3	14.68
Feb. 4	14.60	May 5	13.61	11	13.29	10	14.79
11	14.68	12	12.84	18	13.62	17	14.67
18	14.77	19	12.94	25	13.65	24	14.97
25	14.90	June 2	13.71	Sept. 1	13.75	Dec. 2	15.03
Mar. 3	14.98	9	13.07	8	14.52	8	15.18
10	14.98	16	13.04	15	14.08	15	15.21
17	14.98	23	14.15	22	14.11	22	15.66
24	14.66	30	14.05	29	14.20	29	15.00
31	14.64	July 7	13.92	Oct. 6	14.28		

La 71. Fred Anstutz. SW¼NW¼ sec. 6, T. 31 N., R. 10 E. Dug and driven unused water-table well in sand, diameter 2 inches, reported depth 20 feet. Land-surface datum is 1,535.0 feet above msl. Highest water level 9.72 below lsd, Aug. 27, 1952; lowest 13.88 below lsd, Mar. 15, 1949. Records available: 1948-52. Mar. 12, 11.40; May 21, 10.40; Aug. 27, 9.72; Oct. 28, 11.33; Dec. 30, 12.37.

La 86. A. F. Hoeft. NW¼SE¼ sec. 16, T. 32 N., R. 10 E. Drilled unused water-table well in sand, diameter 4 inches, reported depth 48 feet. Land-surface datum is 1,526 feet above msl. Highest water level 7.75 below lsd, Oct. 15, 1951; lowest 12.20 below lsd, Oct. 11, 1950. Records available: 1948-52. Jan. 9, 8.53; Mar. 12, 10.39; May 21, 8.14; July 1, 7.88; Aug. 27, 8.37; Oct. 28, 9.36; Dec. 30, 9.82.

La 107. Carlsen. SW¼NW¼ sec. 26, T. 32 N., R. 12 E. Drilled domestic water-table well in sand, diameter 5 inches, reported depth 128 feet. Land-surface datum is 1,653.34 feet above msl. Highest water level 114.09 below lsd, Aug. 6, 1948; lowest 117.68 below lsd, Oct. 12, 1950. Records available: 1948-52. Jan. 9, 117.10; Mar. 12, 117.14; May 21, 116.94; July 1, 116.78; Aug. 27, 116.48; Oct. 28, 116.32; Dec. 30, 116.15.

La 118. Wisconsin Public Service Corp. NE¼NW¼ sec. 20, T. 31 N., R. 11 E. Driven unused water-table well in sand, diameter 1½ inches, depth 22 feet, well point. Land-surface datum is 1,510.95 feet above msl. Highest water level 6.88 below lsd, July 19, 1943; lowest 13.84 below lsd, Feb. 28, 1949. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	11.05	Apr. 7	11.79	Aug. 11	9.92	Oct. 27	11.32
14	11.1	14	11.51	18	10.07	Nov. 3	11.20
21	11.26	May 1	10.57	25	10.18	10	11.59
28	11.34	19	10.72	Sept. 2	10.29	17	11.70
Feb. 4	11.44	26	10.77	8	10.42	24	11.84
18	12.15	June 3	10.8	15	10.52	Dec. 1	11.95
25	12.25	9	10.86	22	10.67	8	12.04
Mar. 3	12.35	16	10.85	29	10.81	15	12.14
17	12.51	23	10.94	Oct. 6	10.95	22	12.25
20	12.44	July 28	9.92	20	11.24	29	12.33
24	12.52	Aug. 4	9.82				

La 200. Antigo Water Department. NE¼NW¼ sec. 29, T. 31 N., R. 11 E. Jetted unused water-table well in sand, diameter 6 inches, reported depth 15 feet, cased to 14. Highest water level 2.46 below lsd, Apr. 3, 1952; lowest 6.82 below lsd, Feb. 22, 1951. Records available: 1948-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.35	5.90	5.96	....	4.74	5.14	4.70	5.34	5.75	5.41	5.82	5.68
2	5.50	5.90	6.02	....	4.91	5.15	4.71	5.17	5.79	5.57	5.84	5.78
3	5.38	5.72	6.02	....	4.91	5.11	4.52	5.28	5.83	5.58	5.70	5.85
4	5.43	5.87	6.02	2.98	4.78	5.25	4.34	5.28	5.78	5.50	5.82	5.85
5	5.57	5.89	6.05	3.24	5.04	5.25	4.34	5.02	5.82	5.53	5.85	5.87
6	5.59	5.79	6.07	3.43	5.04	5.21	4.45	5.21	5.85	5.53	5.79	5.74
7	5.47	5.90	6.09	3.44	4.94	5.38	4.54	5.27	5.77	5.45	5.88	5.79
8	5.63	5.93	6.11	3.55	5.04	5.42	4.54	5.27	5.71	5.57	5.90	5.80
9	5.64	5.82	6.14	3.67	5.04	5.18	4.73	5.40	5.76	5.58	5.81	5.56
10	5.52	5.88	6.01	3.67	4.92	5.32	5.06	5.42	5.67	5.51	5.87	5.74
11	5.67	5.88	5.94	....	4.92	5.34	5.13	5.22	5.77	5.61	5.90	5.77
12	5.67	5.85	5.84	....	4.93	5.14	5.18	5.43	5.80	5.62	5.82	5.72
13	5.51	5.97	5.77	....	5.03	5.21	5.28	5.48	5.68	5.46	5.93	5.83
14	5.65	5.98	5.79	....	5.04	5.21	5.29	5.45	5.74	5.60	5.96	5.85
15	5.65	5.86	5.68	....	5.03	5.08	5.18	5.63	5.74	5.62	5.85	5.73
16	5.51	5.96	5.55	....	5.04	5.12	5.44	5.66	5.56	5.51	5.89	5.83
17	....	5.98	5.45	4.04	5.18	5.13	5.49	5.57	5.64	5.62	5.89	5.85
18	5.66	5.83	5.51	4.04	5.19	5.12	5.51	5.60	5.66	5.65	5.75	5.77
19	5.52	6.00	5.50	4.04	5.08	5.25	5.65	5.65	5.53	5.54	5.85	5.87
20	5.54	6.00	5.63	4.12	5.20	5.27	5.66	5.63	5.64	5.62	5.86	5.90
21	5.61	5.93	5.64	4.12	5.21	5.12	4.53	5.74	5.66	5.66	5.80	5.79
22	5.52	6.77	5.42	4.13	5.15	5.20	4.46	5.80	5.49	5.56	5.88	5.79
23	5.67	6.77	5.44	4.33	5.27	5.21	4.43	5.75	5.51	5.69	5.90	5.83
24	5.73	5.92	5.41	4.33	5.28	5.11	4.38	5.73	5.54	5.72	5.74	5.74
25	5.62	6.06	5.54	4.38	5.04	5.13	4.73	5.74	5.42	5.61	5.80	5.84
26	5.77	6.06	5.55	4.58	5.18	5.15	4.83	5.61	5.50	5.70	5.79	5.88
27	5.80	5.97	5.44	4.58	5.20	5.14	4.82	5.79	5.53	5.71	5.53	5.80
28	5.63	6.07	5.35	4.58	5.08	5.19	5.08	5.84	5.42	5.66	5.64	5.86
29	5.76	6.07	5.30	4.72	5.23	4.77	5.14	5.77	5.48	5.76	5.66	5.86
30	5.79		4.98	4.73	5.24	4.44	5.12	5.92	5.52	5.80	5.60	5.80
31	5.74		4.79		4.96		5.29	5.96		5.70		5.81

La 227. Luhring. NW¼NW¼ sec. 20, T. 32 N., R. 12 E. Drilled unused well in sand, diameter 4 inches, reported depth 111 feet. Land-surface datum is 1,638 feet above msl. Highest water level 93.21 below lsd, Dec. 30, 1952; lowest 94.58 below lsd, Aug. 16, 1951. Records available: 1949, 1951-52. Jan. 9, 93.65; Mar. 12, 94.40; May 21, 93.99; July 1, 93.84; Aug. 27, 93.65; Oct. 28, 93.35; Dec. 30, 93.21.

Lincoln County

Ln 25. U. S. Geol. Survey. SE¼NE¼ sec. 36, T. 34 N., R. 6 E. Driven unused water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 23 feet, cased 0-23, well point. Highest water level 4.15 below lsd, July 22, 1952; lowest 6.74 below lsd, Mar. 4, 1952. Records available: 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	5.57	Apr. 14	5.55	July 15	5.06	Oct. 6	5.66
13	5.56	21	5.57	22	4.15	14	5.69
20	5.49	29	5.75	29	4.66	19	5.73
27	5.57	May 7	5.03	Aug. 5	4.59	29	5.78
Feb. 3	5.58	13	4.86	12	4.96	Nov. 2	5.80
12	5.61	20	5.16	18	5.03	11	5.84
17	6.64	27	5.01	25	5.35	19	5.82
24	6.67	June 3	4.95	31	4.74	24	5.88
Mar. 4	6.74	10	5.36	Sept. 9	5.29	30	5.72
10	6.70	17	4.99	15	5.26	Dec. 7	5.74
17	6.51	24	4.91	21	5.51	14	5.76
24	6.55	30	4.77	24	5.55	28	5.88
30	6.21	July 8	4.86	29	5.67		

Marathon County

Mr 1. George Chrudimsky. NW¼NE¼ sec. 25, T. 30 N., R. 10 E. Drilled domestic and stock water-table well in sand and gravel of Pleistocene age, diameter 4 inches, reported depth 85 feet. Highest water level 31.47 below lsd, Apr. 30, 1949; lowest 38.27 below lsd, Mar. 25, 1950. Records available: 1948-52.

Date											
Jan. 5	34.07	Apr. 5	34.80	July 5	32.96	Oct. 4	33.31
12	34.12	12	34.60	12	32.67	11	32.51
19	34.17	18	34.50	19	32.62	18	32.49
26	33.87	26	34.10	26	32.62	25	32.67
Feb. 2	34.17	May 3	33.57	Aug. 2	32.72	Nov. 1	32.77
9	34.22	10	33.42	9	32.07	8	32.77
16	34.90	17	33.27	16	32.09	15	32.97
23	34.95	24	33.25	23	32.09	22	33.07
Mar. 1	35.05	31	33.21	29	32.07	29	33.17
8	35.05	June 7	33.19	Sept. 6	32.15	Dec. 6	33.27
15	35.15	14	33.18	13	32.19	13	33.32
22	35.15	21	33.17	20	32.21	20	33.47
29	35.25	28	33.17	27	32.32	27	33.57

Mr 7. City of Marshfield. SE¼SE¼ sec. 33, T. 26 N., R. 3 E. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 7 inches, reported depth 49 feet, cased to 30, screen 30-49. Highest water level 16.92 below lsd, June 12, 1950; lowest 26.83 below lsd, Dec. 30, 1952. Records available: 1950-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	26.19	.....	26.08	25.94	26.09	.....	26.39	26.53	26.60	26.72
2	.....	.....	26.17	.....	26.12	25.87	26.10	.....	26.42	26.54	26.60	26.74
3	.....	.....	26.17	.....	26.02	25.95	26.08	.....	26.42	26.50	26.62	26.74
4	.....	.....	26.18	.....	26.00	25.88	26.09	.....	26.39	26.54	.....	26.72
5	.....	.....	26.18	.....	26.03	25.87	26.08	.....	26.42	26.51	.....	26.75
6	.....	.....	26.17	.....	.....	25.89	26.09	.....	26.41	26.53	.....	26.74
7	.....	.....	26.17	.....	26.00	25.90	26.12	.....	26.43	26.51	.....	26.78
8	.....	.....	26.15	.....	26.00	25.90	26.13	26.40	26.42	26.53	.....	26.77
9	.....	.....	26.18	.....	25.98	25.91	.....	26.43	26.42	26.53	.....	.....
10	.....	.....	26.17	.....	25.97	25.92	.....	26.40	26.42	26.55	.....	26.70
11	.....	.....	26.21	.....	25.97	25.96	26.20	26.42	26.40	26.53	.....	26.71
12	.....	.....	.....	.....	25.97	25.89	26.19	26.38	26.42	26.55	26.64	26.71
13	.....	26.25	.....	.....	25.91	25.95	26.19	26.41	26.44	26.55	26.65	26.72
14	.....	26.26	.....	.....	25.90	25.90	26.19	.....	26.42	26.55	26.66	.....
15	.....	26.23	.....	.....	25.98	25.90	26.20	.....	26.41	26.53	26.67	.....

Mr 7--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	26.26	.....	.....	25.99	25.91	26.20	.....	26.34	26.57	26.66	.....
17	.....	26.25	.....	.....	25.94	.....	26.24	.....	26.43	26.56	26.77	.....
18	.....	26.27	.....	.....	25.94	.....	26.22	26.44	.....	26.57	26.67	.....
19	.....	26.23	.....	.....	25.90	.....	26.25	26.45	.....	26.59	26.68	.....
20	.....	26.24	.....	.....	25.89	25.90	26.23	26.47	.....	26.60	26.67	.....
21	.....	26.16	.....	.....	25.95	25.96	26.30	26.51	.....	26.58	26.70	.....
22	.....	26.16	.....	.....	25.94	25.99	26.26	26.51	26.45	26.59	26.68	26.76
23	.....	26.16	.....	.....	25.90	26.05	26.35	26.47	26.46	26.58	26.70	26.78
24	.....	26.17	.....	.....	25.91	26.10	26.35	26.47	26.47	26.59	26.68	26.79
25	.....	26.13	.....	.....	25.92	26.06	26.42	26.43	26.47	26.57	26.69	26.80
26	.....	26.15	.....	.....	25.92	26.10	26.42	.....	26.51	26.60	26.71	26.81
27	.....	26.13	.....	.....	25.93	26.06	26.31	.....	26.45	26.59	26.72	26.82
28	.....	26.17	.....	.....	25.94	26.06	26.40	26.39	26.48	26.60	26.70	26.78
29	.....	26.15	.....	.....	25.92	26.09	26.32	26.37	26.49	26.59	26.71	.....
30	.....		.....	26.12	25.91	26.10	26.41	26.34	26.50	26.59	26.71	26.83
31	.....		.....		25.93		.....	26.39		26.60		26.83

Mr 27. Conrad Kremsreiter. SE¼SE¼ sec. 24, T. 29 N., R. 3 E. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 8 to 4 inches, reported depth 42 feet. Highest water level 2.87 below lsd, June 17, 1946; lowest 9.98 below lsd, Apr. 5, 1950. Records available: 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	6.77	May 31	5.81	July 30	3.75	Oct. 4	6.61
Feb. 2	7.28	June 7	6.02	Aug. 6	3.93	11	7.32
15	8.60	11	6.10	13	4.05	18	6.50
17	8.62	18	6.17	20	4.32	25	8.15
Apr. 19	5.59	25	6.06	27	4.70	Nov. 1	8.15
23	5.33	July 2	5.48	Sept. 6	5.46	15	8.19
28	5.34	9	4.14	20	6.35	*Dec. 6	6.58
May 5	5.03	16	3.80	22	6.46	15	6.76
17	5.52	23	3.05	27	6.65	22	8.52

Mr 28. U. S. Geol. Survey. NE¼NE¼ sec. 31, T. 27 N., R. 9 E. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 28 feet, cased to 28, well point. Land-surface datum is 1,229 feet above msl. Highest water level 17.30 below lsd, Sept. 10, 1945; lowest 24.84 below lsd, Mar. 26, 1951. Records available: 1944-52.

Jan. 7	21.86	Apr. 7	22.14	July 21	20.90	Oct. 6	20.85
14	21.82	14	22.05	28	20.87	13	20.82
21	21.85	21	21.96	Aug. 4	20.87	27	20.90
28	21.88	28	21.95	11	20.83	Nov. 4	20.88
Feb. 4	21.75	May 5	21.12	17	20.84	10	20.95
18	22.59	12	21.20	25	20.82	17	20.96
25	22.57	19	21.12	Sept. 2	20.81	Dec. 1	21.14
Mar. 4	22.58	26	21.18	8	20.82	8	21.06
10	22.57	June 2	21.11	15	20.80	16	21.13
17	22.63	9	21.18	22	20.81	23	21.14
24	22.55	16	21.14	22	20.84	29	21.20
31	22.51	July 17	20.99	29	20.84		

Marinette County

Mt 1. R. S. Skidmore. SE¼NW¼ sec. 6, T. 30 N., R. 24 E. Drilled unused artesian well in sandstone, diameter 5 inches, reported depth 700 feet. Highest water level 4.98 below lsd, Apr. 27, 1948; lowest 29.62 below lsd, Sept. 20, 1951. Records available: 1946-52. Feb. 7, 18.87; Apr. 10, 20.83; June 12, 20.93; Aug. 13, 26.78; Oct. 9, 28.06; Dec. 4, 19.66.

Mt 5. City of Peshtigo. SE¼NE¼ sec. 19, T. 30 N., R. 23 E. Drilled unused artesian well in sandstone, diameter 5 inches, reported depth 700 feet. Highest water level 17.24 below lsd, May 1, 1950; lowest 27.13 below lsd, Oct. 28, 1948. Records available: 1947-52.

Jan. 15	22.52	Apr. 15	21.18	Aug. 1	23.35	Oct. 15	24.68
30	22.78	30	22.84	13	22.75	31	25.10
Feb. 7	22.84	May 16	23.81	15	23.53	Nov. 15	24.77
18	22.01	June 1	23.22	30	24.52	Dec. 1	24.61
Mar. 1	24.13	12	21.93	Sept. 15	23.70	4	24.59
15	24.00	16	20.68	30	24.03	15	23.56
Apr. 3	22.42	30	22.04	Oct. 9	25.10	31	24.68
10	21.93	July 15	22.40				

Mt 7. Wisconsin Conservation Department. NW¼NE¼ sec. 34, T. 37 N., R. 20 E. Drilled unused well, diameter 8 inches, reported depth 33 feet. Highest water level 19.87 below lsd, July 17, 1951; lowest 23.26 below lsd, Nov. 2, 1948. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	20.78	June 24	20.73	Nov. 4	21.60	Dec. 9	21.74
Feb. 26	20.96	July 29	20.52	11	21.66	16	21.74
Mar. 25	20.98	Aug. 26	20.94	18	21.71	23	21.86
Apr. 29	19.91	Sept. 23	21.25	25	21.76	30	21.90
May 27	20.37	Oct. 28	21.55	Dec. 2	21.73		

Mt 9. Fox River Valley Girl Scouts. W. M. P. No. 32. SW¼NE¼ sec. 18, T. 35 N., R. 22 E. Drilled domestic water-table well in glacial till, diameter 6 inches, depth 75 feet. Highest water level 7.67 below lsd, Apr. 18, May 3, June 1, 1951; lowest 10.67 below lsd, Oct. 31, 1952. Records available: 1950-52.

Jan. 3	8.33	Apr. 30	7.75	July 30	7.92	Oct. 31	10.67
28	8.58	May 27	8.08	Aug. 28	8.33	Dec. 1	8.67
Feb. 28	8.50	June 30	8.00	Sept. 29	8.33	29	8.75
Mar. 28	8.50						

Marquette County

Mq 5. L. Wilson. NW¼NE¼ sec. 21, T. 14 N., R. 10 E. Drilled unused well, diameter 6 inches, depth 60 feet. Highest water level 40.14 below lsd, May 20, 1952; lowest 45.19 below lsd, Mar. 8, 1951. Records available: 1949-52. Jan. 8, 41.74; Mar. 11, 41.92; May 20, 40.14; Aug. 26, 41.45; Oct. 27, 42.18; Dec. 29, 42.68.

Mq 7. J. Croarken. NW¼SE¼ sec. 33, T. 16 N., R. 10 E. Drilled unused well, diameter 6 inches. Highest water level 30.78 below lsd, May 20, 1952; lowest 34.63 below lsd, Mar. 23, 1950. Records available: 1949-52. Jan. 8, 31.59; Mar. 11, 32.93; May 20, 30.78; July 23, 31.35; Aug. 26, 31.62; Oct. 27, 32.24; Dec. 29, 32.98.

Mq 9. Village of Westfield. SW¼SE¼ sec. 12, T. 16 N., R. 8 E. Drilled unused well in sandstone, diameter 6 inches, depth 274 feet. Highest water level 15.06 below lsd, May 20, 1952; lowest 17.20 below lsd, Mar. 23, 1950. Records available: 1949-52. Jan. 8, 15.48; Mar. 11, 15.71; May 20, 15.06; July 23, 15.17; Aug. 26, 15.38; Oct. 27, 15.84; Dec. 29, 16.02.

Mq 11. U. S. Geol. Survey. NW¼SW¼ sec. 17, T. 15 N., R. 9 E. Driven unused water-table well in fine sand, diameter 1¼ inches, depth 12 feet, cased 0-12, well point. Highest water level 0.74 below lsd, Apr. 30, 1951; lowest 3.29 below lsd, Oct. 30, 1952. Records available: 1950-52. Jan. 11, 1.56; Mar. 11, 0.92; May 20, 1.13; July 30, 2.79; Sept. 12, 3.14; Oct. 30, 3.29; Dec. 31, 1.87.

Milwaukee County

Ml 2. Harley Davidson. SW¼SW¼ sec. 6, T. 7 N., R. 21 E. Drilled well in Mt. Simon, Eau Claire, and St. Peter sandstone, diameter 22-14 inches, reported depth 1,740 feet, cased to 535. Highest water level 116.77 below lsd, May 12, July 28, 1952; lowest 132.44 below lsd, Nov. 18, 1952. Records available: 1952. Mar. 6, 123.26; May 12, 116.77; July 28, 116.77; Aug. 26, 121.74; Nov. 18, 132.44.

Ml 7. Milwaukee County. SW¼NE¼ sec. 13, T. 8 N., R. 21 E. Drilled public-supply artesian well in sandstone and limestone, diameter 10 to 8 inches, reported depth 1,526 feet. Land-surface datum is 704 feet above msl. Highest water level 42.57 below lsd, May 11, 1948; lowest 60.79 below lsd, Jan. 24, 1952. Records available: 1946-52. Jan. 24, 60.79; Mar. 19, 48.07; May 12, 52.82; July 22, 53.97; Oct. 20, 49.16.

Ml 8. Milwaukee County. NW¼NE¼ sec. 35, T. 8 N., R. 21 E. Drilled unused artesian well in sandstone, diameter 12 to 10 inches, reported depth 1,407 feet, cased to 633. Land-surface datum is 677 feet above msl. Highest water level 50.54 below lsd, June 4, 1947; lowest 153.36 below lsd, Sept. 20, 1949. Records available: 1946-52. Jan. 23, 136.55; Mar. 19, 136.55; May 13, 135.68; July 22, 131.10; Oct. 20, 121.39.

Ml 36. A. O. Smith Corp. NE¼SE¼ sec. 12, T. 7 N., R. 21 E. Drilled unused artesian well in sandstone, diameter 14 inches, reported depth 1,091 feet, cased to 774. Land-surface datum is 673 feet above msl. Highest water level 134.26 below lsd, June 25, 1947; lowest 192.60 below lsd, Sept. 21, 1952. Records available: 1946-52.

MI 36--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	180.76	178.58	178.49	178.02	177.83	182.25	186.19	189.70	189.22	191.61	189.43	188.97
2	180.80	178.57	178.44	178.03	178.25	182.11	186.29	189.56	189.33	191.92	189.49	188.46
3	180.62	178.41	178.21	178.17	178.58	181.96	186.63	189.49	189.53	191.92	189.53	188.35
4	180.49	178.05	178.37	178.17	178.79	182.09	186.93	189.35	189.59	191.66	189.50	188.08
5	180.28	178.22	178.59	178.10	179.34	182.00	187.10	189.64	189.56	191.67	189.23	187.64
6	180.26	178.30	178.71	178.09	180.29	181.97	187.18	189.77	189.51	191.59	189.48	187.55
7	180.21	.....	178.71	178.08	180.92	182.10	187.38	189.77	189.54	191.55	189.54	187.12
8	179.83	.....	178.69	178.01	181.62	181.88	187.88	189.68	189.37	191.36	189.47	186.94
9	179.82	.....	178.35	177.87	182.02	182.11	188.28	189.43	189.28	191.24	189.31	186.60
10	180.13	.....	178.11	178.03	182.31	182.67	188.60	189.37	189.43	191.22	189.38	186.45
11	180.12	.....	178.27	178.10	182.48	183.11	188.93	189.17	189.76	191.00	189.45	186.36
12	179.87	.....	178.29	177.88	182.69	183.62	189.09	189.12	190.16	190.61	189.61	186.28
13	179.86	178.53	178.36	177.50	182.86	183.98	189.09	189.11	190.62	190.56	189.72	186.21
14	179.86	178.65	178.57	177.46	182.77	184.34	189.12	188.96	191.10	190.71	189.78	185.99
15	179.56	178.65	178.53	177.56	182.96	184.46	189.50	188.83	191.47	190.68	190.05	185.76
16	179.61	178.55	178.54	177.49	183.11	184.42	189.73	188.83	191.71	190.71	190.10	185.54
17	179.26	178.59	178.42	177.38	183.16	184.69	189.93	188.92	191.85	190.87	190.09	185.45
18	179.42	178.58	178.20	177.29	183.16	184.86	189.95	188.98	192.12	190.85	190.20	185.49
19	179.29	178.57	178.20	177.17	182.97	185.21	189.96	188.95	192.45	190.66	190.33	185.49
20	179.37	178.33	178.35	177.12	182.75	185.43	189.75	188.85	192.59	190.66	190.34	185.12
21	179.32	178.41	178.55	177.02	182.75	185.58	189.60	189.11	192.60	190.59	190.39	184.84
22	178.75	178.43	178.50	177.01	182.83	185.72	189.65	189.22	192.54	190.27	190.36	184.56
23	179.13	178.43	178.21	177.18	182.73	185.72	189.80	189.18	192.56	190.05	190.26	184.09
24	179.15	178.30	178.28	.....	182.66	185.60	189.93	189.08	192.59	189.90	190.26	183.96
25	179.04	178.28	178.33	177.23	182.59	185.60	189.84	188.92	192.44	189.87	189.95	183.86
26	178.97	.....	178.47	177.18	182.59	185.95	189.80	188.80	192.39	189.57	189.46	183.60
27	178.97	178.16	178.55	177.07	182.45	186.09	189.75	188.71	192.24	189.28	189.60	183.30
28	178.89	178.22	178.60	177.08	182.47	186.12	189.42	188.69	191.91	189.52	189.59	183.13
29	178.79	178.30	178.69	177.25	182.48	186.11	189.51	188.87	191.82	189.55	189.42	182.58
30	178.80		178.53	177.45	182.39	186.10	189.57	189.02	191.70	189.37	189.16	182.15
31	178.62		178.19		182.25		189.74	189.07		189.43		182.00

MI 45. Milwaukee Journal. NW¼NE¼ sec. 29, T. 7 N., R. 22 E. Drilled unused artesian well in Niagara dolomite, diameter 8 to 5 inches, reported depth 1,410 feet, cased to 1,068, plugged 1,015. Land-surface datum is 591 feet above msl. Highest water level 45.07 below lsd, Apr. 19, 1952; lowest 154.93 below lsd, July 29, 1949. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	46.50	48.20	48.29	52.41	49.23	54.05	53.65	48.54	52.86	52.14	47.39
2	48.89	47.25	48.22	48.30	51.80	51.80	53.98	53.58	51.96	53.16	50.25	47.09
3	49.27	47.40	48.11	48.18	51.85	52.17	54.60	51.21	52.70	52.06	51.82	47.09
4	49.30	47.51	48.26	48.39	49.46	52.11	53.51	52.98	54.65	52.10	51.29	46.99
5	49.51	47.81	48.27	48.74	51.92	52.58	54.22	53.22	54.87	50.30	51.52	46.69
6	49.57	48.39	48.90	48.76	52.29	52.61	52.71	53.15	55.50	51.30	51.80	46.71
7	49.51	48.40	49.07	48.47	51.81	52.32	53.90	53.60	53.27	51.10	51.32	46.56
8	49.30	48.58	49.05	48.67	51.70	49.95	54.16	53.35	55.39	51.61	51.58	46.52
9	49.21	48.77	48.93	48.66	51.52	51.99	53.76	53.75	56.05	52.40	49.84	50.00
10	48.87	48.78	48.84	47.80	51.92	52.32	54.68	51.92	55.72	52.08	48.01	50.90
11	48.84	49.09	49.02	46.88	49.87	52.48	54.72	55.27	54.72	51.50	50.53	.....
12	48.94	49.09	49.05	46.23	51.38	52.77	54.57	55.75	54.32	49.68	50.79	51.79
13	48.94	48.52	49.05	45.63	51.75	52.50	52.30	55.77	54.02	51.56	51.80	51.18
14	48.92	48.80	49.23	45.39	51.81	52.62	53.88	55.86	51.76	51.68	51.99	49.26
15	49.10	48.81	49.26	45.46	52.64	50.45	54.65	55.82	53.46	51.34	51.62	50.92
16	49.13	48.79	49.32	45.50	51.54	52.72	54.50	55.84	53.29	51.94	49.87	50.78
17	47.93	48.75	49.07	45.39	51.73	53.20	54.78	53.13	53.12	51.63	51.78	51.47
18	46.94	48.73	49.00	45.30	49.50	52.94	54.53	55.81	53.58	51.33	51.92	51.77
19	46.60	48.72	49.04	45.22	51.60	53.62	54.19	55.82	53.38	49.59	51.59	51.31
20	46.40	48.59	49.17	45.23	51.87	53.40	51.76	55.59	52.61	48.02	52.25	51.20
21	46.37	48.10	49.31	50.80	51.89	53.10	53.64	56.20	50.77	47.68	51.64	49.45
22	45.90	48.60	49.20	51.27	52.26	50.41	54.16	55.82	52.22	50.22	51.51	50.85
23	46.19	49.01	49.05	49.01	51.83	52.76	54.54	55.30	52.00	51.96	49.86	.....
24	46.19	49.01	49.19	50.84	51.91	53.12	54.68	53.15	52.09	51.90	51.45	50.99
25	46.13	48.76	49.19	51.08	49.55	53.27	54.25	54.68	53.01	52.34	51.41	49.01
26	46.01	48.45	49.14	51.27	52.03	54.07	54.08	54.53	53.04	50.13	49.38	49.33
27	46.01	48.21	48.99	49.00	52.22	54.04	51.90	53.87	52.67	51.33	47.77	48.08
28	46.01	48.01	48.85	51.46	52.22	53.85	53.73	54.04	50.56	51.36	47.66	46.97
29	45.99	48.06	48.72	51.63	52.46	51.50	53.56	53.88	52.77	50.19	47.52	50.10
30	46.01		48.46	51.65	51.06	53.71	53.43	53.55	53.00	51.62	47.41	49.43
31	45.88		48.23		51.53		53.84	51.19		51.79		49.63

MI 56. National Enameling & Stamping Co. SE¼SE¼ sec. 30, T. 7 N., R. 22 E. North 10th St. and West St. Paul Ave. Drilled unused artesian well in sandstone, diameter 14 to 8 inches, reported depth 2,100 feet. Land-surface datum is 589 feet above msl. Highest water level 70.93 below lsd, Apr. 4, 1950; lowest 118.51 below lsd, Sept. 13, 1950. Records available: 1946-52. Feb. 13, 105.14; Mar. 19, 105.90; May 13, 110.48; July 28, 110.48; Oct. 20, 105.91; Dec. 22, 100.22.

MI 79. Forest Home Cemetery. SW¼NW¼ sec. 7, T. 6 N., R. 22 E. Drilled unused artesian well in sandstone of Cambrian age, diameter 6 inches, reported depth 1,605 feet, cased to 200. Land-surface datum is 663 feet above msl. Highest water level 153.24 below lsd, May 19, 1947; lowest 230.38 below lsd, Aug. 2, 1951. Records available: 1946-52.

Daily lowest water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	210.48	Jan. 30	213.46	Feb. 20	213.20	Mar. 7	212.53
2	210.57	31	213.58	21	213.70	8	212.52
3	211.25	Feb. 1	214.01	22	213.83	9	211.80
9	213.32	2	214.08	23	213.83	13	210.45
10	213.91	3	213.57	24	212.99	14	211.23
11	213.90	6	214.16	25	212.14	15	211.14
12	213.73	7	214.26	26	212.20	16	210.70
13	213.07	8	215.05	27	212.35	Apr. 4	209.38
14	211.71	9	215.05	28	212.44	5	209.12
16	212.90	13	213.89	29	212.50	6	207.90
17	213.13	14	214.23	Mar. 1	212.49	7	207.34
18	213.57	15	214.19	2	212.28	8	208.51
19	213.40	16	214.00	3	211.52	9	209.33
23	213.78	17	213.31	4	211.61	Aug. 25	219.31
24	214.10	18	212.97	5	212.27	Nov. 3	217.38
25	214.00	19	213.15	6	212.45	Dec. 22	218.30
26	213.82						

MI 88. Red Star Yeast. NW¼SW¼ sec. 25, T. 6 N., R. 22 E. Drilled industrial artesian well in sandstone and limestone, reported depth 1,312 feet. Land-surface datum is 686 feet above msl. Highest water level 113.85 below lsd, June 3, 1947; lowest 161.15 below lsd, Dec. 4, 1951. Records available: 1946-52. Feb. 27, 155.03; May 5, 149.33; July 29, 149.33; Dec. 23, 146.63.

MI 91. U. S. Government. NE¼NE¼ sec. 34, T. 6 N., R. 21 E. Greendale. Drilled public-supply artesian well in sandstone, diameter 16 to 12 inches, reported depth 1,855 feet, cased to 487. Land-surface datum is 760 feet above msl. Highest water level 200.17 below lsd, June 6, 1946; lowest 243.85 below lsd, July 21, 1952. Records available: 1946-52. Feb. 27, 243.25; May 13, 240.61; July 21, 243.85; Sept. 29, 243.34; Nov. 25, 243.83.

MI 94. Milwaukee County. NE¼SE¼ sec. 32, T. 6 N., R. 21 E. Drilled public-supply artesian well in sandstone, diameter 20 to 10 inches, reported depth 1,845 feet, cased to 525. Land-surface datum is 773 feet above msl. Highest water level 199.97 below lsd, July 10, 1946; lowest 240.53 below lsd, Aug. 26, 1952. Records available: 1946-52. Jan. 9, 236.47; Mar. 5, 236.25; Apr. 28, 235.41; June 23, 237.52; Aug. 26, 240.53; Nov. 17, 239.23.

MI 95. Allis Chalmers Mfg. Co. SE¼SW¼ sec. 24, T. 5 N., R. 22 E. Drilled unused well in Mount Simon, Eau Claire, and St. Peter sandstone, diameter 8 inches, reported depth 1,622 feet. Land-surface datum is 656 feet above msl. Highest water level 116.16 below lsd, May 5, 1952; lowest 118.71 below lsd, Dec. 23, 1952. Records available: 1952. Feb. 27, 116.40; May 5, 116.16; July 29, 117.64; Oct. 21, 118.77; Dec. 23, 118.71.

MI 118. A. Schaefer. NE¼NW¼ sec. 35, T. 8 N., R. 21 E. 5465 North 51st St., Milwaukee. Drilled domestic water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 135 feet. Land-surface datum is 679.85 feet above msl. Highest water level 25.11 below lsd, Apr. 21, 1952; lowest 47.79 below lsd, June 13, 1946. Records available: 1946-52. Feb. 20, 25.32; Apr. 21, 25.11; July 7, 31.32; Sept. 29, 31.64; Nov. 25, 31.54.

MI 120. Nunn-Bush Shoe Co. SE¼NW¼ sec. 17, T. 7 N., R. 22 E. North Fifth and West Hadley Sts., Milwaukee. Drilled unused artesian well in Niagara dolomite, diameter 10 inches, reported depth 400 feet, cased to 104. Land-surface datum is 685 feet above msl. Highest water level 81.82 below lsd, May 20, 1946; lowest 97.79 below lsd, Sept. 18, 1952. Records available: 1946-49, 1951-52. Feb. 5, 93.54; Mar. 19, 93.61; May 13, 93.88; July 14, 96.58; Sept. 18, 97.79; Nov. 24, 96.43.

Ml 121. Milwaukee Equipment Co. NW¼NW¼ sec. 13, T. 5 N., R. 22 E. 311 Marion St., Milwaukee. Drilled unused well in Niagara dolomite, diameter 8 inches, depth 268 feet. Land-surface datum is 644 feet above msl. Highest water level 56.46 below lsd, Aug. 9, 1946; lowest 64.83 below lsd, Dec. 18, 1952. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	62.82	63.40	63.21	63.26	63.68	64.19	64.70
2	.....	.....	.....	.....	.....	62.83	63.35	63.02	63.41	64.08	64.32	64.58
3	.....	.....	.....	.....	.....	62.79	63.36	63.01	63.63	64.09	64.54	64.60
4	.....	.....	.....	.....	.....	62.91	63.50	62.95	63.74	63.85	64.39	64.42
5	.....	.....	.....	.....	h62.04	62.76	63.58	63.16	63.70	64.01	63.82	64.23
6	.....	.....	.....	.....	.....	62.71	63.54	63.18	63.83	64.17	64.08	64.27
7	.....	.....	.....	.....	.....	62.82	63.41	63.15	63.92	64.24	64.22	64.15
8	.....	.....	.....	.....	.....	62.61	63.38	63.04	63.85	64.14	64.11	64.11
9	.....	.....	.....	.....	.....	62.72	63.42	62.87	63.80	64.22	64.16	64.10
10	.....	.....	.....	.....	.....	62.89	63.37	62.94	63.78	64.30	64.26	64.19
11	.....	.....	.....	.....	.....	63.03	63.52	63.07	63.82	64.13	64.08	64.25
12	.....	.....	.....	.....	.....	62.80	63.65	63.20	63.73	63.84	64.18	64.41
13	.....	.....	.....	.....	.....	62.90	63.58	63.26	63.70	64.01	64.05	64.37
14	.....	.....	.....	.....	.....	62.90	63.50	63.12	63.63	64.16	63.97	64.32
15	.....	.....	.....	.....	.....	62.95	63.55	63.00	63.63	64.06	64.09	64.38
16	h63.17	.....	.....	.....	.....	62.77	63.57	63.18	63.54	64.16	64.11	64.37
17	.....	.....	.....	.....	.....	62.88	63.61	63.28	63.35	64.38	64.04	64.59
18	.....	.....	.....	.....	.....	62.95	63.54	63.43	63.43	64.25	63.92	64.83
19	.....	.....	.....	.....	.....	63.13	63.50	63.40	63.74	64.48	64.00	64.83
20	.....	.....	.....	.....	h62.36	63.17	63.31	63.31	63.84	64.71	64.18	64.51
21	.....	.....	.....	.....	62.63	63.04	63.18	63.55	63.93	64.63	64.29	64.49
22	.....	.....	.....	.....	62.69	63.13	63.11	63.72	63.84	64.34	64.20	64.45
23	.....	.....	.....	.....	62.59	63.18	63.29	63.70	63.98	64.28	64.45	64.42
24	.....	.....	.....	.....	62.47	62.95	63.33	63.63	64.02	64.22	64.52	64.58
25	.....	.....	.....	.....	62.59	62.87	63.18	63.64	63.85	64.34	64.26	64.61
26	.....	.....	.....	.....	62.69	63.24	63.13	63.61	63.95	64.12	64.16	64.60
27	.....	h62.35	.....	.....	62.65	63.33	63.14	63.54	63.89	64.10	64.51	64.81
28	.....	.....	.....	.....	62.77	63.34	63.11	63.48	63.73	64.39	64.63	64.68
29	.....	.....	.....	.....	62.82	63.27	63.15	63.47	63.96	64.42	64.60	64.43
30	.....		.....	.....	62.69	63.34	63.15	63.43	63.93	64.15	64.78	64.50
31	.....		.....		62.71		63.28	63.27		64.07		64.56

h Tape measurement.

Ml 125. Good Hope Cemetery. SE¼NE¼ sec. 23, T. 6 N., R. 21 E. South 43d St. and West Cold Spring Rd. Drilled unused well in sandstone and limestone, diameter 12 inches. reported depth 700 feet. Land-surface datum is 770 feet above msl. Highest water level 105.34 below lsd, Nov. 30, 1946; lowest 151.82 below lsd, July 10, 1951. Records available: 1946-52. Jan. 30, 142.32; Mar. 12, 140.82; June 2, 146.27; Aug. 11, 146.87; Oct. 27, 147.29; Dec. 29, 147.02.

Ml 130. Milwaukee County. NW¼NW¼ sec. 6, T. 6 N., R. 21 E. Greenfield Park. Drilled public-supply well in limestone, diameter 10 inches, reported depth 500 feet. Land-surface datum is 788 feet above msl. Highest water level 55.52 below lsd, June 3, 1947; lowest 63.39 below lsd, Sept. 20, 1949. Records available: 1946-52. Jan. 2, 60.98; Jan. 30, 59.99; Mar. 26, 58.36; July 7, 61.29; Oct. 6, 60.93; Dec. 9, 60.54.

Ml 132. White Manor Water Cooperative. SE¼SW¼ sec. 11, T. 6 N., R. 21 E. 52d and West Dakota Sts. Drilled unused artesian well in sandstone and limestone, diameter 12 to 8 to 6 inches, reported depth 1,115 feet. Land-surface datum is 730 feet above msl. Highest water level 190.96 below lsd, June 5, 1947; lowest 246.19 below lsd, Nov. 1, 1952. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	234.24	236.18	234.73	231.16	235.49	237.07	242.63	238.86	236.89	242.41	246.19	244.84
2	234.24	236.35	234.72	231.08	235.10	236.61	242.08	238.14	236.51	243.28	246.18	244.60
3	233.90	236.33	234.58	231.25	236.73	235.80	241.90	238.13	236.44	243.49	245.85	244.66
4	233.80	236.07	234.39	231.30	236.63	236.11	241.78	237.60	236.28	244.06	245.06	244.68
5	234.18	235.98	234.52	231.35	236.48	236.40	241.55	237.49	236.12	244.10	244.31	244.81
6	234.43	236.11	234.52	231.34	237.20	237.36	240.96	237.37	236.37	243.99	244.41	244.90
7	234.43	236.17	234.52	231.26	237.41	238.42	239.82	237.25	236.40	243.52	244.49	244.73
8	234.31	236.36	234.52	230.92	237.60	238.96	239.36	237.17	236.28	243.29	244.92	244.62
9	234.95	236.41	234.28	230.52	237.71	240.27	238.57	236.02	236.53	243.77	244.98	244.33
10	235.65	236.41	233.96	230.78	237.86	241.34	238.16	236.01	237.34	244.08	244.92	244.50

Ml 132--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	235.65	236.13	233.34	230.99	237.79	241.76	238.00	235.99	238.20	244.40	244.57	244.56
12	235.81	236.01	233.32	231.05	237.42	241.87	238.42	235.83	239.19	244.34	244.61	244.85
13	235.81	235.94	232.93	230.96	237.04	241.99	238.42	235.84	239.92	244.23	244.69	244.84
14	235.43	236.04	233.08	231.13	236.76	242.40	237.86	235.71	239.89	244.17	244.86	244.83
15	235.05	236.04	233.00	231.18	236.72	242.58	237.49	235.77	239.91	244.12	245.62	244.72
16	235.10	236.03	233.06	231.32	237.00	242.53	237.58	236.03	239.90	244.49	245.61	244.57
17	235.17	236.10	232.97	231.66	237.20	242.64	237.82	236.02	240.13	244.87	245.42	244.72
18	235.42	236.03	232.65	232.02	237.19	242.92	237.80	235.99	240.50	244.87	244.84	245.00
19	235.37	235.84	232.35	232.51	237.03	243.46	237.89	235.85	240.87	245.01	244.80	245.07
20	235.78	235.57	232.43	232.94	236.47	243.49	237.82	235.63	241.28	245.01	245.03	244.76
21	235.73	235.84	232.61	233.05	235.94	243.32	237.62	235.79	241.44	244.72	245.29	244.57
22	234.98	235.84	232.58	233.41	236.00	243.18	237.51	235.78	241.45	244.37	245.34	244.29
23	235.78	235.81	232.42	233.82	235.90	242.65	237.58	236.25	241.34	244.71	245.36	244.06
24	235.97	235.64	232.42	234.07	236.07	241.70	237.79	236.21	241.36	245.21	245.35	244.45
25	235.97	235.55	232.19	234.30	236.27	241.65	237.86	235.21	241.30	245.60	244.98	244.44
26	236.03	234.98	231.92	234.48	236.34	242.42	238.46	235.11	241.61	245.56	244.93	244.22
27	236.04	234.62	231.92	234.51	236.21	243.09	238.47	235.68	241.87	245.47	245.39	243.30
28	236.07	234.40	231.98	234.69	236.71	243.56	238.22	236.14	241.79	245.42	245.37	242.47
29	235.77	234.50	232.10	234.71	237.05	243.57	237.93	236.30	241.88	245.43	244.96	241.16
30	235.71		231.99	235.14	237.21	243.23	237.70	236.78	241.83	245.43	244.84	240.15
31	235.85		231.50		237.18		237.87	236.84		245.91		240.30

Ml 135. Leonard Budzein. NE¼SW¼ sec. 20, T. 6 N., R. 22 E. 920 West Armour Ave., Town of Lake. Dug irrigation water-table well in sand, reported depth 20 feet, cased to 20. Land-surface datum is 667 feet above msl. Highest water level 6.54 below lsd, Apr. 7, 1948; lowest 12.06 below lsd, Dec. 27, 1946. Records available: 1946-52. Jan. 16, 7.36; Feb. 27, 7.63; June 16, 8.34; Aug. 26, 8.38; Oct. 27, 10.11; Dec. 23, 9.17.

Ml 146. Heuel. SE¼SW¼ sec. 4, T. 8 N., R. 22 E. 9090 Lake Drive, Milwaukee. Drilled unused artesian well in limestone, diameter 5 inches, depth 110 feet. Land-surface datum is 680 feet above msl. Highest water level 58.70 below lsd, June 20, 1946; lowest 69.64 below lsd, Sept. 22, 1952. Records available: 1946-52. Feb. 20, 53.32; Apr. 21, 63.33; June 23, 64.05; Sept. 22, 69.64; Nov. 25, 65.55.

Ml 148. Milwaukee County. NE¼SE¼ sec. 32, T. 6 N., R. 21 E. Drilled unused artesian well in limestone, diameter 5 inches, depth 180 feet. Land-surface datum is 774 feet above msl. Highest water level 25.44 below lsd, May 3, 1951; lowest 34.28 below lsd, Jan. 11, 1950. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	29.23	29.34	27.15	26.75	28.08	28.92	28.46	29.00	30.96	30.77	31.30
2	30.70	29.22	29.27	27.14	26.94	28.05	28.87	28.48	29.15	30.22	30.90	31.24
3	30.58	.....	29.23	27.26	26.96	28.14	28.97	28.49	29.28	30.22	30.95	31.24
4	30.43	.....	29.50	27.23	26.91	28.17	29.14	28.49	29.31	30.08	30.82	31.16
5	30.39	29.22	29.63	27.16	27.00	28.07	29.20	28.59	29.26	30.17	30.68	31.14
6	30.53	29.25	29.64	27.23	27.24	28.21	29.10	28.53	29.37	30.26	30.90	31.17
7	30.45	29.15	29.54	27.31	27.27	28.26	29.08	28.42	29.40	30.29	30.95	31.19
8	30.21	29.20	29.37	27.23	27.15	28.18	29.09	28.32	29.34	30.22	30.87	31.18
9	30.52	29.26	29.15	27.14	27.06	28.30	29.18	28.38	29.32	30.29	30.96	31.24
10	30.73	29.19	29.12	27.36	27.15	28.43	29.16	28.46	29.36	30.31	31.03	31.29
11	30.67	29.40	29.34	27.32	27.16	28.47	29.24	28.57	29.42	30.18	30.94	31.29
12	30.46	29.27	29.25	27.06	27.46	28.35	29.30	28.60	29.39	30.11	31.00	31.41
13	30.43	29.21	28.94	26.76	27.47	28.42	29.25	28.62	29.42	30.31	30.96	31.36
14	30.35	29.28	28.95	26.93	27.37	28.46	29.25	28.51	29.47	30.46	30.91	31.31
15	30.53	29.14	28.77	26.85	27.57	28.44	29.35	28.49	29.47	30.36	31.09	31.38
16	30.52	28.96	28.69	26.75	27.61	28.39	29.35	28.68	29.50	30.44	31.09	31.35
17	29.97	29.12	28.63	26.58	27.73	28.53	29.37	28.72	29.47	30.53	30.99	31.52
18	29.96	29.21	28.42	26.47	27.70	28.54	29.29	28.83	29.61	30.50	30.99	31.59
19	29.66	29.12	28.23	26.43	27.71	28.64	29.02	28.78	29.79	30.64	31.05	31.58
20	29.76	28.96	28.13	26.51	27.55	28.65	28.57	28.69	29.82	30.77	31.15	31.30
21	29.70	29.36	27.99	26.50	27.73	28.59	28.55	28.88	29.84	30.65	31.20	31.37
22	.....	29.34	27.71	26.56	27.79	28.71	28.56	28.95	29.78	30.42	31.16	31.33
23	29.52	29.26	27.42	26.71	27.68	28.76	28.44	28.87	29.85	30.46	31.26	31.28
24	29.51	29.30	27.49	26.72	27.80	28.60	28.44	28.82	29.85	30.50	31.34	31.40
25	.....	29.36	27.46	26.60	28.10	28.62	28.30	28.85	29.76	30.59	31.09	31.33
26	29.23	29.12	27.47	26.60	27.96	28.86	28.55	28.89	29.89	30.44	31.20	31.26
27	29.23	29.10	27.38	26.62	27.88	28.91	28.70	28.86	29.85	30.57	31.41	31.40
28	29.28	29.11	27.31	26.91	27.95	28.84	28.44	28.88	29.84	30.77	31.42	31.30
29	.....	29.19	27.34	26.88	27.94	28.83	28.44	28.93	30.02	30.79	31.27	31.12
30	.....		27.19	26.83	27.83	28.95	28.44	28.94	30.95	30.54	31.38	31.20
31	.....		27.02		27.97		28.55	28.89		30.70		31.23

Ml 229. Andrew J. Albert. SW¼SW¼ sec. 25, T. 8 N., R. 21 E. 5827 North 40th St. Drilled unused well in limestone, diameter 6 inches, depth 76 feet. Land-surface datum is 686 feet above msl. Highest water level 22.58 below lsd, Apr. 13, 1952; lowest 35.12 below lsd, Aug. 26, 1949. Records available: 1949-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.59	25.29	25.20	23.53	24.62	25.16	26.20	25.63	26.61	27.91	28.80	28.32
2	26.60	25.30	25.18	23.57	24.80	25.16	26.27	25.83	26.70	28.16	28.87	28.11
3	26.49	25.24	24.96	23.78	24.85	25.19	26.34	25.82	26.87	28.20	28.94	28.13
4	26.47	25.01	25.22	23.82	24.96	25.28	26.62	25.57	26.98	28.22	28.66	28.04
5	26.30	25.06	25.42	23.86	25.11	25.22	26.78	25.71	27.07	28.21	28.45	27.85
6	26.40	24.91	25.47	24.03	25.44	25.57	26.82	25.78	27.41	28.31	28.76	27.89
7	26.40	24.90	25.49	24.13	25.56	25.90	26.84	25.80	.....	28.24	28.81	27.86
8	26.15	24.83	25.43	24.14	25.28	25.91	26.80	25.78	27.43	28.19	28.91	27.82
9	26.18	24.84	25.11	24.09	25.23	26.23	26.62	25.72	27.50	28.26	29.27	27.85
10	26.57	24.83	24.88	24.22	25.06	26.57	26.58	25.77	27.66	28.26	29.19	27.98
11	26.57	24.87	24.87	24.20	25.03	26.57	26.72	25.88	27.70	28.40	29.08	27.99
12	26.35	24.88	24.87	24.10	25.02	26.22	26.97	26.05	27.71	28.25	29.16	28.00
13	26.33	24.92	24.76	23.67	25.11	26.08	26.96	26.13	27.85	28.27	29.16	27.97
14	26.14	24.98	24.76	22.83	25.12	25.78	26.85	26.26	27.78	28.43	29.14	27.90
15	25.97	24.97	24.76	23.11	24.94	25.74	.....	26.21	27.75	28.33	29.38	27.84
16	25.97	24.86	24.76	23.17	25.04	25.56	.....	26.26	27.80	28.39	29.50	27.83
17	25.41	24.82	24.76	23.22	25.12	25.78	.....	26.29	27.86	28.56	29.21	27.92
18	25.12	24.82	24.76	23.29	25.15	25.91	.....	26.40	27.83	28.55	28.71	28.06
19	25.03	24.82	24.76	23.41	25.15	26.16	.....	26.38	27.92	28.56	28.60	28.06
20	25.10	24.82	.....	23.59	25.15	26.16	.....	26.31	28.00	28.63	28.67	27.83
21	25.12	25.00	.....	23.62	25.14	25.96	.....	26.39	28.00	28.57	28.73	27.51
22	24.72	25.06	.....	23.78	25.14	25.95	.....	26.49	27.87	28.29	28.70	27.41
23	25.21	25.07	.....	23.96	25.02	25.91	.....	26.49	27.90	28.32	28.66	27.18
24	25.29	25.14	.....	23.94	24.51	25.69	.....	26.52	27.89	28.36	28.70	27.24
25	25.19	25.15	.....	23.92	24.42	25.94	.....	26.52	27.77	28.58	28.51	27.18
26	25.01	25.06	23.56	23.96	24.45	26.14	.....	26.69	27.89	28.47	28.11	27.09
27	25.15	24.93	23.56	24.00	24.64	26.20	.....	26.87	28.02	28.45	28.26	27.22
28	25.24	24.87	23.56	24.22	24.82	26.29	25.36	26.93	28.07	28.64	28.29	27.17
29	25.37	24.98	23.57	24.46	24.83	26.29	25.39	26.89	28.20	28.62	28.28	26.94
30	25.40		23.57	24.57	24.83	26.14	25.51	26.97	28.09	28.33	28.36	27.06
31	25.32		23.55		24.87		25.66	26.87		28.47		27.11

Ml 230. E. Runge. SE¼NE¼ sec. 35, T. 8 N., R. 21 E. 4723 West Villard Ave. Drilled unused well, diameter 6 inches, depth 83 feet. Highest water level 5.45 below lsd, Apr. 21, 1952; lowest 17.52 below lsd, July 26, 1949. Records available: 1949-52. Feb. 20, 6.23 Apr. 21, 5.45; July 30, 12.50; Sept. 29, 12.11; Nov. 25, 11.66.

Ml 231. R. J. Cerletty. SW¼SW¼ sec. 3, T. 8 N., R. 21 E. 8900 North 76th St. Drilled domestic artesian well in limestone, diameter 6 inches, depth 80 feet, cased to 58. Land-surface datum is 695 feet above msl. Highest water level 8.86 below lsd, Apr. 21, 1952; lowest 12.22 below lsd, Sept. 11, 1951. Records available: 1949-52. Jan. 2, 9.92; Feb. 20, 9.25; Apr. 21, 8.86; June 23, 9.54; Sept. 22, 11.07; Nov. 25, 11.25.

Ml 232. Milwaukee House of Correction. NW¼SW¼ sec. 22, T. 5 N., R. 21 E. Drilled industrial artesian well in sandstone, diameter 22 to 16 inches, reported depth 1,842 feet, cased to 640. Land-surface datum is 761 feet above msl. Highest water level 177.5 below lsd, May 4, 1950; lowest 197.00 below lsd, Nov. 25, 1952. Records available: 1950-52. Feb. 13, 189.0; Apr. 14, 190.5; June 30, 193.5; Aug. 26, 192.5; Nov. 25, 197.00.

Ml 289. W. Boden. NE¼SE¼ sec. 23, T. 6 N., R. 22 E. Drilled domestic well in Niagara dolomite, reported depth 205 feet. Land-surface datum is 657 feet above msl. Highest water level 74.54 below lsd, May 5, 1952; lowest 75.86 below lsd, July 29, 1952. Records available: 1952. Mar. 12, 74.95; May 5, 74.54; July 29, 75.86; Oct. 21, 75.37; Dec. 23, 74.78.

Monroe County

Mo 1. Nicholas Moran. SW¼SW¼ sec. 1, T. 17 N., R. 1 W. Drilled stock water-table well in sand, diameter 6 inches, reported depth 12 feet. Highest water level 1.39 below lsd, Mar. 28, 1952; lowest 5.72 below lsd, Sept. 29, 1949. Records available: 1947-52. Jan. 30, 3.55; Mar. 28, 1.39; June 6, 2.48; Aug. 8, 4.04; Dec. 16, 3.74.

Mo 2. Joseph Anderson. SE¼SE¼ sec. 34, T. 15 N., R. 4 W. Drilled unused well in sandstone, diameter 5 inches, depth 44 feet. Land-surface datum is 1,100 feet above msl. Highest water level 5.06 below lsd, June 26, 1952; lowest 15.83 below lsd, Mar. 11, 1940. Records available: 1934-52.

Mo 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	11.5	May 26	6.00	Aug. 6	6.62	Oct. 26	7.46
Feb. 26	12.34	June 26	5.06	27	6.69	Nov. 27	7.70
Mar. 25	10.76	July 27	6.30	Sept. 25	6.47	Dec. 28	6.71
Apr. 27	7.50						

Mo 10. Lester Cooley. NW¼NW¼ sec. 5, T. 15 N., R. 3 W. Drilled unused water-table well in sand, diameter 7 inches, depth 17 feet, cased to 17. Land-surface datum is 880 feet above msl. Highest water level 1.80 below lsd, Apr. 27, 1951; lowest 11.09 below lsd, Aug. 27, 1949. Records available: 1934-52.

Jan. 28	8.5	May 27	7.68	Aug. 6	5.37	Oct. 27	8.00
Mar. 27	3.55	June 26	3.95	25	5.09	Nov. 26	6.06
Apr. 28	4.55	July 28	4.80	Sept. 29	7.22	Dec. 27	8.87

Mo 11. John Sullivan. SW¼NW¼ sec. 27, T. 16 N., R. 3 W. Drilled unused water-table well in sandstone, diameter 7 inches, depth 11 feet. Land-surface datum is 925 feet above msl. Highest water level 3.90 below lsd, June 29, 1947; lowest 7.53 below lsd, June 7, 1950. Records available: 1934-52. Aug. 6, 6.50; Dec. 17, 6.86.

Mo 12. Robert S. Olson. Formerly Melvin Olson. SE¼SE¼ sec. 32, T. 16 N., R. 4 W. Drilled unused water-table well in sandstone, diameter 6 inches, depth 31 feet, cased to 31. Land-surface datum is 1,020 feet above msl. Highest water level 26.68 below lsd, Aug. 6, 1952; lowest 28.03 below lsd, Feb. 5, 1941. Records available: 1934-52. Aug. 6, 26.68; Dec. 17, 26.89.

Mo 13. Walter Parks. SE¼NW¼ sec. 3, T. 16 N., R. 4 W. Drilled unused water-table well in sand, diameter 8 inches, depth 13 feet, cased to 13. Land-surface datum is 780 feet above msl. Highest water level 6.77 below lsd, May 22, 1945; lowest 11.11 below lsd, Nov. 8, 1950. Records available: 1934-52. Aug. 6, 10.39; Sept. 15, 10.70; Dec. 17, 10.92.

Mo 17. U. S. Army, Camp McCoy. NW¼SW¼ sec. 29, T. 18 N., R. 2 W. Drilled unused artesian well in sandstone, diameter 9 inches, depth 192 feet, cased to 109. Highest water level 1.78 below lsd, July 1, 1952; lowest 5.42 below lsd, Feb. 7, 1951. Records available: 1949-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.72	3.82	4.10	3.10	2.55	2.84	2.10	2.72	2.94	3.61	3.86	3.99
2	3.68	3.84	3.97	3.02	2.55	2.87	2.10	2.74	3.09	3.60	3.87	4.05
3	3.75	3.83	4.06	2.89	2.58	2.90	2.18	2.65	3.06	3.54	3.89	3.97
4	3.74	3.86	4.18	2.83	2.42	2.86	2.18	2.84	3.09	3.54	3.80	3.98
5	3.70	3.88	4.15	2.73	2.60	2.69	2.05	2.95	3.15	3.56	3.80	4.04
6	3.71	3.92	4.19	2.68	2.67	2.77	2.07	3.00	3.13	3.58	3.90	4.02
7	3.71	3.92	4.19	2.74	2.59	2.68	2.25	2.94	3.08	3.58	3.87	3.98
8	3.75	3.97	4.10	2.73	2.62	2.58	2.26	2.96	3.10	3.60	3.89	4.03
9	3.83	3.94	4.02	2.77	2.66	2.71	2.27	2.90	3.15	3.60	3.89	4.04
10	3.86	3.92	4.10	2.73	2.57	2.70	2.29	2.71	3.17	3.58	3.88	4.10
11	3.80	3.97	4.10	2.70	2.55	2.67	2.39	2.84	3.23	3.56	3.87	4.03
12	3.86	4.06	4.08	2.65	2.72	2.69	2.39	2.92	3.25	3.62	3.89	4.12
13	3.74	4.07	4.17	2.54	2.64	2.65	2.30	3.01	3.23	3.67	3.90	4.08
14	3.77	4.00	4.17	2.67	2.70	2.66	2.38	2.88	3.20	3.64	3.91	4.05
15	3.86	4.00	4.10	2.62	2.85	2.56	2.43	2.77	3.28	3.61	3.95	4.07
16	3.89	4.00	3.91	2.58	2.80	2.68	2.46	2.75	3.30	3.71	3.90	4.08
17	3.83	3.94	3.85	2.51	2.83	2.68	2.56	2.74	3.33	....	3.88	4.15
18	3.89	4.01	3.82	2.46	2.74	2.74	2.54	2.74	3.35	....	3.96	4.16
19	3.80	3.98	3.73	2.37	2.85	2.80	2.51	2.79	3.40	....	3.96	4.10
20	3.86	4.03	3.75	2.34	2.85	2.73	2.38	2.84	3.37	....	3.94	4.08
21	3.80	4.08	3.71	2.34	2.87	2.68	2.51	2.94	3.35	....	4.08	4.10
22	3.93	4.06	3.56	2.42	2.84	2.63	2.54	2.92	3.40	....	4.04	4.10
23	3.95	3.99	3.52	2.39	2.83	2.75	2.63	2.93	3.41	....	4.04	4.10
24	3.93	4.03	3.48	2.38	2.78	2.77	2.64	2.88	3.39	3.77	4.04	4.17
25	3.87	4.05	3.57	2.35	2.75	2.78	2.62	2.94	3.44	3.76	4.00	4.12
26	3.92	4.11	3.57	2.33	2.88	2.67	2.61	2.96	3.49	3.73	3.99	4.15
27	3.94	4.11	3.55	2.28	2.88	2.26	2.60	2.99	3.38	3.81	4.06	4.21
28	3.90	4.18	3.52	2.45	2.96	2.13	2.68	3.00	3.48	3.84	3.96	4.14
29	4.00	4.17	3.54	2.52	2.93	2.00	2.63	3.00	3.54	3.86	3.98	4.16
30	3.92		3.26	2.53	2.90	2.08	2.69	3.01	3.45	3.85	4.04	4.22
31	3.88		3.17		2.92		2.78	2.96		3.88		4.17

Oconto County

Oc 1. Oconto Utilities. NW¼NW¼ sec. 19, T. 28 N., R. 22 E. Drilled unused artesian well in sandstone, diameter 6 inches. Land-surface datum is 591 feet above msl. Highest water level above lsd, July 10, 1951; lowest 17.25 below lsd, Aug. 22, 1946. Records available: 1946-52. Feb. 7, 3.33; June 12, 1.0; Aug. 13, 3.33; Oct. 9, 1.50; Dec. 4, 0.89.

Oneida County

On 22. Wisconsin Valley Improvement Co. SE¼NW¼ sec. 18, T. 39 N., R. 8 E. Jetted unused water-table well in gravel, diameter 6 inches, depth 27 feet. Land-surface datum is 1,607 feet above msl. Highest water level 13.04 below lsd, Dec. 20, 1951; lowest 19.29 below lsd, Apr. 9, 1949. Records available: 1944-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.29	13.62	14.15	14.89	14.11	13.52	13.77	13.89	14.07	14.73	15.20	15.60
2	13.29	13.62	14.15	14.91	14.05	13.51	13.76	13.91	14.08	14.78	15.23	15.61
3	13.24	.....	14.15	14.96	14.01	13.50	13.75	13.91	14.10	14.78	15.24	15.62
4	13.24	.....	14.23	14.98	13.94	13.50	13.79	13.90	14.12	14.77	15.23	15.62
5	13.25	13.67	14.26	14.98	13.67	13.49	13.80	13.89	14.12	14.80	15.22	15.62
6	13.27	13.69	14.26	14.99	13.87	13.50	13.80	13.89	14.16	14.85	15.27	15.63
7	13.26	13.69	14.26	15.01	13.87	13.51	13.79	13.88	14.17	14.88	15.29	15.65
8	13.21	13.70	14.25	15.02	13.80	13.48	13.80	13.85	14.17	14.87	15.29	15.65
9	13.32	13.71	14.26	15.03	13.78	13.52	13.80	13.82	14.18	14.89	15.32	15.67
10	13.40	13.73	14.30	15.04	13.75	13.58	13.80	13.82	14.20	14.90	15.33	15.68
11	13.38	13.81	14.39	15.04	13.71	13.60	13.84	13.84	14.21	14.89	15.34	15.69
12	13.36	13.82	14.39	15.01	13.71	13.59	13.87	13.84	14.23	14.89	15.35	15.71
13	13.36	13.85	14.46	14.98	13.69	13.60	13.88	13.85	14.24	14.91	15.36	15.72
14	13.32	13.86	14.47	15.00	13.63	13.63	13.89	13.85	14.24	14.93	15.37	15.72
15	13.46	13.86	14.48	15.00	13.62	13.65	13.90	13.85	14.26	14.93	15.40	15.73
16	13.47	13.86	14.51	15.00	13.62	13.61	13.91	13.86	14.27	14.97	15.41	15.75
17	13.36	13.90	14.52	14.96	13.62	13.64	13.93	13.91	14.27	14.99	15.41	15.77
18	13.46	13.94	14.51	14.93	13.61	13.65	13.93	13.93	14.28	14.99	15.41	15.79
19	13.45	13.95	14.58	14.90	13.59	13.68	13.93	13.93	14.31	15.02	15.44	15.81
20	13.52	13.92	14.62	14.85	13.55	13.68	13.93	13.93	14.33	15.05	15.46	15.81
21	13.54	14.00	14.77	14.83	13.54	13.68	13.91	13.98	14.34	15.05	15.49	15.81
22	13.38	14.01	14.67	.....	13.56	13.68	13.91	14.01	14.68	15.04	15.49	15.81
23	13.54	14.01	14.64	14.69	13.56	13.67	13.89	14.01	14.69	15.06	15.51	15.81
24	.....	14.04	14.75	14.63	13.53	13.66	13.89	14.00	14.69	15.09	15.52	15.84
25	13.52	14.04	14.76	14.52	13.53	13.68	13.87	14.03	14.69	15.10	15.52	15.84
26	13.56	14.06	14.77	14.46	13.53	13.77	13.85	14.04	14.71	15.10	15.50	15.86
27	.....	14.06	14.78	14.36	13.53	13.77	13.85	14.04	14.71	15.12	15.57	15.87
28	.....	14.10	14.80	14.32	13.52	13.77	13.86	14.06	14.73	15.16	15.58	15.87
29	.....	14.11	14.84	14.26	13.52	13.75	13.86	14.07	14.74	15.16	15.58	15.88
30	.....		14.84	14.20	13.50	13.77	13.86	14.07	14.74	15.15	15.60	15.89
31	.....		14.85		13.50		13.89	14.06		15.18		15.90

On 23. U. S. Geol. Survey. NE¼NE¼ sec. 27, T. 37 N., R. 6 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 37 feet, cased to 37, well point. Land-surface datum is 1,529 feet above msl. Highest water level 27.31 below lsd, Aug. 18, 1952; lowest 32.96 below lsd, July 25, 1949. Records available: 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	27.87	Mar. 21	29.39	June 12	27.51	Sept. 26	27.55
16	27.84	Apr. 2	28.30	25	27.44	Oct. 5	27.47
23	28.03	7	28.80	July 10	27.33	30	27.82
29	28.16	17	29.15	15	27.35	Nov. 5	27.87
Feb. 4	28.05	22	29.12	28	27.33	13	28.89
14	28.18	29	28.89	Aug. 18	27.31	21	28.01
21	29.20	May 5	27.84	29	27.36	28	28.02
27	29.19	21	27.64	Sept. 4	27.40	Dec. 3	28.02
Mar. 3	29.25	28	27.59	18	27.42	9	28.09
12	29.30	June 6	27.54	24	27.66	19	28.18

On 24. U. S. Geol. Survey. NE¼NE¼ sec. 9, T. 36 N., R. 9 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 33 feet, cased to 33, well point. Highest water level 18.89 below lsd, Aug. 29, 1951; lowest 22.20 below lsd, Mar. 20, 1949. Records available: 1944-52.

On 24--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	19.60	Apr. 2	20.90	June 27	19.75	Sept. 20	19.57
15	19.60	10	20.82	July 5	19.80	24	19.65
25	19.65	14	20.75	10	19.78	Oct. 1	19.65
30	19.70	23	20.65	17	19.80	7	19.70
Feb. 5	19.70	30	20.55	24	19.86	15	19.75
12	19.80	May 7	19.70	30	19.55	24	19.90
20	20.55	13	19.70	Aug. 6	19.50	Nov. 2	19.95
27	20.70	22	19.67	15	19.30	9	20.40
Mar. 5	20.80	27	19.71	24	19.30	17	20.10
11	20.65	June 5	19.71	Sept. 1	19.35	28	20.20
18	20.85	12	19.75	10	19.40	Dec. 4	20.26
26	20.63	20	19.75	17	19.50	18	20.37

Outagamie County

Ou 2. City of Kaukauna. Kaukauna Water & Electric Co. SW¼SW¼ sec. 24, T. 21 N., R. 18 E. Drilled unused artesian well in sandstone and limestone, diameter 12 inches, reported depth 798 feet, cased to 100. Land-surface datum is 645 feet above msl. Highest water level 6.44 above lsd, Apr. 7, 1947; lowest 33.30 below lsd, Sept. 12, 1952. Records available: 1946-52.

Daily lowest water level from recorder graph*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	30.27	30.38	30.06	25.27	.....
2	.....	.....	.....	30.27	28.35	30.00	24.04	19.20
3	.....	.....	.....	29.58	29.01	29.91	24.02	19.22
4	.....	.....	.....	28.63	29.31	.....	23.85	19.16
5	.....	23.92	.....	28.84	29.80	.....	23.14	19.05
6	.....	25.56	.....	29.40	30.21	.....	23.15	19.04
7	.....	25.47	25.03	29.92	30.13	28.50	23.17	17.77
8	.....	24.67	25.04	29.97	29.42	28.71	22.92	.....
9	22.63	.....	.....	29.95	30.45	28.99	22.60	18.40
10	22.32	.....	.....	29.68	32.00	28.98	21.56	19.23
11	21.07	.....	.....	28.45	31.53	29.34	22.52	19.37
12	20.71	25.89	.....	29.42	33.30	27.79	22.37	19.69
13	21.38	25.64	.....	29.78	32.63	27.63	22.40	19.56
14	21.50	25.80	.....	29.80	32.10	28.22	22.41	18.99
15	22.40	25.73	27.65	.....	30.67	27.85	22.67	18.28
16	22.93	25.94	27.51	30.84	30.52	28.20	22.59	18.42
17	22.60	27.22	28.78	30.13	30.43	27.99	21.29	18.41
18	21.61	27.50	28.50	30.28	30.46	27.80	21.82	18.25
19	21.72	27.86	27.84	30.25	30.45	27.50	21.86	18.60
20	.....	27.75	27.36	29.86	30.44	28.00	21.78	18.34
21	.....	27.46	.....	30.05	29.52	27.68	21.89	17.42
22	23.37	26.53	28.12	30.22	29.23	27.56	21.57	17.63
23	23.03	25.46	.....	30.09	29.62	27.25	20.18	18.05
24	23.28	26.05	28.94	29.82	.....	27.87	19.26	18.22
25	23.33	.....	28.87	29.33	.....	27.52	19.28	17.61
26	.....	.....	28.93	30.08	.....	26.80	19.88	16.77
27	.....	.....	28.75	.....	.....	25.53	19.76	16.61
28	.....	.....	29.14	.....	.....	25.56	.....	16.37
29	.....	.....	29.16	32.07	.....	25.72	.....	16.70
30	.....	.....	29.65	31.68	.....	25.53	.....	17.01
31	.....		29.90	31.77		25.18		17.28

* No record for January, February, March, and April.

Ou 3. Vanden Huefel. SE¼NE¼ sec. 2, T. 23 N., R. 18 E. Drilled stock artesian well in sandstone, diameter 5 inches, depth 110 feet. Highest water level 22.80 below lsd, May 23, 1948; lowest 39.66 below lsd, Dec. 4, 1952. Records available: 1947-52. Feb. 7, 35.10; Apr. 10, 34.69; Aug. 14, 36.18; Dec. 4, 39.66.

Ou 5. Kaukauna Water & Electric Co. SW¼SE¼ sec. 4, T. 21 N., R. 19 E. Drilled domestic artesian well in sandstone and limestone, diameter 6 inches, reported depth 408 feet, cased to 68. Land-surface datum is 660 feet above msl. Highest water level 18.27 below lsd, Mar. 29, 1948; lowest 31.09 below lsd, Oct. 7, 1952. Records available: 1947-52. Feb. 5, 28.77; Apr. 8, 27.23; June 11, 28.10; Aug. 12, 29.97; Oct. 7, 31.09.

Ou 19. Wisconsin Michigan Power Co. NE¼NW¼ sec. 35, T. 21 N., R. 17 E. Drilled unused artesian well in sandstone, diameter 24 to 8 inches, reported depth 450 feet, cased to 54. Land-surface datum is 728 feet above msl. Highest water level 29 below lsd, Dec. 4, 1952; lowest 42 below lsd, Aug. 14, 1952. Records available: 1951-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 19, 1951	38	Feb. 8, 1952	30	June 13, 1952	34	Oct. 10, 1952	35
Sept. 21	39	Apr. 11	30	Aug. 14	42	Dec. 4	29
Dec. 6	34						

Ou 24. Appleton Coated Paper Co. NW¼NW¼ sec. 25, T. 21 N., R. 17 E. Drilled unused artesian well in sandstone, diameter 16 to 12 inches, reported depth 501 feet, cased to 245. Land-surface datum is 763 feet above msl. Highest water level 67.93 below lsd, Apr. 10, 1952; lowest 77.95 below lsd, July 25, 1951. Records available: 1951-52.

July 25, 1951	77.95	Dec. 6, 1951	72.98	Apr. 10, 1952	67.93	Oct. 10, 1952	74.64
Sept. 21	77.03	Feb. 8, 1952	68.69	Aug. 14	75.59	Dec. 5	68.76

Ou 29. Highland Memorial Park. NW¼SE¼ sec. 15, T. 21 N., R. 17 E. Drilled irrigation artesian well in sandstone, reported depth 300 feet. Land-surface datum is 839 feet above msl. Highest water level 55.33 below lsd, Aug. 14, 1952; lowest 59.64 below lsd, Apr. 17, 1952. Records available: 1951-52.

July 27, 1951	56.96	Feb. 8, 1952	56.16	June 13, 1952	55.83	Oct. 10, 1952	57.31
Sept. 21	57.36	Apr. 17	59.64	Aug. 14	55.33	Dec. 5	57.18

Portage County

Pt 1. Newton and Emery Bade. SE¼SW¼ sec. 27, T. 24 N., R. 6 E. Drilled unused water-table well in sand, diameter 6 inches, depth 36 feet. Highest water level 13.04 below lsd, Nov. 7, 1951; lowest 19.90 below lsd, Mar. 6, 1951. Records available: 1950-52. Jan. 10, 14.86; Mar. 13, 15.59; May 20, 13.42; July 24, 14.90; Aug. 28, 14.64; Oct. 27, 16.33.

Pt 6. N. Weisbrot. SE¼NW¼E½ sec. 31, T. 24 N., R. 9 E. Driven unused water-table well in sand, diameter 2 inches, depth 22 feet. Highest water level 11.78 below lsd, May 20, 1952; lowest 15.60 below lsd, Mar. 6, 1951. Records available: 1950-52. Mar. 11, 13.44; July 24, 12.11; May 20, 11.78; Aug. 28, 12.48; Oct. 28, 13.23; Dec. 30, 13.78.

Pt 15. Lawrence Krogwold. NE¼SW¼ sec. 28, T. 24 N., R. 10 E. Driven unused water-table well in sand, diameter 2 inches, depth 53 feet. Highest water level 33.50 below lsd, July 10, 1952; lowest 36.55 below lsd, Mar. 29, 1951. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	34.62	Aug. 7	33.86	Sept. 25	34.12	Nov. 13	34.38
27	34.65	14	34.02	Oct. 2	34.18	20	34.42
Mar. 12	34.77	16	33.90	9	34.21	Dec. 4	34.49
May 22	33.82	21	33.92	16	34.24	12	34.55
July 10	33.50	27	33.98	23	34.30	19	34.60
17	33.63	Sept. 5	34.03	28	34.33	27	34.65
24	33.74	18	34.07	Nov. 6	34.36	30	34.71
31	33.78						

Pt 16. Lawrence Krogwold. NW¼SW¼ sec. 27, T. 23 N., R. 10 E. Amherst Junction. Driven used water-table well in gravel of Pleistocene age. Highest water level 21.79 below lsd, Aug. 28, 1952; lowest 29.99 below lsd, Nov. 30, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 26, 1950	25.19	Mar. 6, 1951	29.80	Aug. 29, 1951	22.43	Aug. 28, 1952	21.79
Oct. 18	23.44	May 2	25.48	Nov. 7	23.73	Oct. 28	24.43
Nov. 30	29.99	July 11	22.53	July 24, 1952	22.76		

Pt 17. Joe Fabich. SE¼NW¼ sec. 7, T. 22 N., R. 9 E. Plover. Driven used water-table well in gravel, diameter 6 inches, depth 32 feet, cased to 23. Highest water level 9.00 below lsd, May 20, 1952; lowest 12.21 below lsd, Mar. 7, 1951. Records available: 1950-52.

July 26, 1950	10.88	May 3, 1951	10.02	Nov. 8, 1951	9.69	July 23, 1952	9.55
Nov. 14	11.70	July 11	9.70	Jan. 10, 1952	9.99	Aug. 29	9.86
29	11.78	Aug. 30	9.78	May 20	9.00	Oct. 29	10.35
Mar. 7, 1951	12.21						

Pt 18. J. Woyak. SW¼NW¼ sec. 7, T. 23 N., R. 10 E. Drilled unused water-table well in deposits of Pleistocene age, diameter 12 inches, depth 79 feet, steel casing. Highest water level 20.32 below lsd, July 26, 1950; lowest 23.02 below lsd, Mar. 6, 1951. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 26, 1950	20.32	Mar. 6, 1951	23.02	Nov. 7, 1951	21.22	Aug. 27, 1952	21.00
Oct. 18	22.32	May 2	21.32	Mar. 11, 1952	21.63	Oct. 28	21.50
Nov. 15	22.53	July 11	21.06	May 22	20.44	Dec. 30	21.86
30	22.65	Aug. 29	21.11	July 25	20.74		

Pt 19. E. Perzinski. NW¼SW¼ sec. 20, T. 23 N., R. 9 E. Drilled water-table well in gravel of Pleistocene age, diameter 14 inches, reported depth 101 feet, cased to 76. Highest water level 52 below lsd, May 20, 1952; lowest 55.5 below lsd, Mar. 7, 1951. Records available: 1950-52.

July 21, 1950	54.	May 2, 1951	54.25	Oct. 17, 1951	54.	Aug. 28, 1952	53.5
Nov. 30	54.5	July 11	53.5	May 20, 1952	52.	Oct. 29	52.5
Mar. 7, 1951	55.5						

Pt 20. G. Laskowski. SE¼NE¼ sec. 7, T. 22 N., R. 9 E. Plover. Drilled unused water-table well in alluvium of Pleistocene age, diameter 6 inches, depth 67 feet. Highest water level 18.34 below lsd, May 2, 1951; lowest 36.87 below lsd, Jan. 11, 1952. Records available: 1950-52.

July 26, 1950	26.87	Nov. 15, 1950	36.40	Aug. 30, 1951	33.34	May 22, 1952	21.68
Oct. 12	33.75	May 2, 1951	18.34	Nov. 8	35.90	Oct. 29	34.45
24	34.60	July 11	30.05	Jan. 11, 1952	36.87		

Pt 22. C. Peterson. SW¼SE¼ sec. 1, T. 22 N., R. 10 E. Drilled used water-table well in outwash gravel of Pleistocene age, diameter 6 inches, depth 28 feet, cased to 20. Highest water level 7.30 below lsd, May 22, 1952; lowest 11.25 below lsd, Nov. 30, 1950. Records available: 1950-52.

July 25, 1950	10.60	May 2, 1951	7.82	Nov. 7, 1951	8.80	May 22, 1952	7.30
Oct. 18	10.99	July 11	8.24	Jan. 9, 1952	8.93	June 24	8.66
Nov. 30	11.25	Aug. 29	9.24	Mar. 11	9.30	Oct. 29	9.74

Pt 28. J. Burns. SW¼SW¼ sec. 15, T. 21 N., R. 9 E. Drilled irrigation water-table well in gravel, diameter 12 inches, reported depth 112 feet, cased to 92, screen 92-112. Highest water level 74.04 below lsd, May 22, 1952; lowest 75.75 below lsd, Oct. 19, 1950. Records available: 1950-52. Jan. 10, 75.12; Mar. 11, 75.25; May 22, 74.04; July 27, 74.17; Sept. 9, 74.17; Oct. 30, 74.34.

Pt 30. U. S. Geol. Survey. SE¼NW¼ sec. 1, T. 22 N., R. 8 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 23 feet, cased to 23, well point. Highest water level 7.77 below lsd, July 14, 1946; lowest 14.61 below lsd, Jan. 8, 1951. Records available: 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	11.11	May 20	10.17	July 23	11.00	Oct. 30	12.35
Mar. 13	11.92	June 26	10.66	Aug. 29	11.51	Dec. 31	13.04

Pt 34. U. S. Geol. Survey. SE¼NE¼ sec. 34, T. 23 N., R. 7 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 22 feet, cased to 20, well point. Highest water level 14.46 below lsd, July 22, 29, 1951, May 11, 1952; lowest 18.49 below lsd, Mar. 18, 1951. Records available: 1950-52.

Jan. 7	14.99	Apr. 6	15.03	June 29	14.99	Sept. 28	15.48
13	15.04	13	14.84	July 6	15.01	Oct. 5	15.57
20	15.14	20	14.71	13	15.02	12	15.66
27	15.47	27	14.59	20	15.04	19	15.77
Feb. 3	15.27	May 4	14.51	27	15.11	26	15.87
10	15.32	11	14.46	Aug. 4	15.18	Nov. 2	15.94
17	15.44	18	14.54	10	15.23	16	16.08
24	15.52	20	14.58	18	15.31	23	16.19
Mar. 3	16.41	25	14.64	24	15.48	30	16.48
9	15.67	June 1	14.72	31	15.19	Dec. 7	16.47
16	15.76	8	14.78	Sept. 7	15.24	15	16.51
23	16.42	15	14.87	14	15.33	29	16.69
29	16.43	22	14.94	21	15.41		

Pt 35. U. S. Geol. Survey. NW¼NW¼ sec. 35, T. 22 N., R. 7 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 12 feet, cased to 10, well point. Highest water level 0.99 below lsd, Apr. 9, 1951; lowest 5.95 below lsd, Dec. 1, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 7, 1950	5.40	Mar. 27, 1951	4.35	Dec. 3, 1951	4.27	July 7, 1952	4.75
12	5.40	Apr. 2	1.25	18	4.76	14	5.14
20	5.41	9	.99	28	4.76	21	5.10
25	5.45	18	1.76	Jan. 2, 1952	4.83	28	5.10
Oct. 2	5.47	24	2.97	8	4.88	Aug. 4	5.05
10	5.39	May 1	2.60	16	4.83	11	5.15
17	5.46	8	2.50	Feb. 1	4.85	19	4.60
19	5.50	15	4.17	6	4.86	25	5.00
23	5.48	June 1	4.40	Mar. 3	5.82	Sept. 2	5.00
Nov. 2	5.51	5	4.06	20	5.50	8	5.45
15	5.58	12	3.06	Apr. 1	3.95	15	5.25
20	5.55	26	4.00	4	3.33	22	5.30
28	5.51	July 2	4.10	14	3.25	29	5.45
Dec. 6	5.36	9	3.26	22	4.20	Oct. 13	5.35
12	5.21	25	4.55	28	4.85	20	5.40
19	5.24	Aug. 6	5.00	May 5	4.27	28	5.32
Jan. 1, 1951	5.25	15	4.30	13	4.50	Nov. 4	5.35
15	5.31	20	4.45	19	4.50	10	5.39
25	5.33	Sept. 20	4.97	20	4.63	17	5.32
30	5.37	Oct. 9	4.33	27	4.73	Dec. 1	5.95
Feb. 20	5.48	22	3.94	June 2	4.80	15	5.20
26	4.74	Nov. 1	4.93	9	4.90	23	5.20
Mar. 7	4.25	12	4.49	17	4.93	29	5.20
12	4.40	26	4.96	23	5.00		

Pt 36. U. S. Geol. Survey. SE¼NE¼ sec. 10, T. 21 N., R. 8 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 12 feet, cased to 10 feet, well point. Highest water level 1.48 below lsd, Apr. 14, 1951; lowest 6.82 below lsd, Aug. 16, 1952. Records available: 1950-52.

Sept. 7, 1950	5.72	Mar. 31, 1951	3.60	Nov. 3, 1951	4.41	May 31, 1952	4.53
13	5.79	Apr. 7	2.12	10	4.57	June 7	4.67
21	5.88	14	1.48	17	4.64	14	4.90
29	5.94	22	2.20	24	4.46	21	5.04
Oct. 6	5.98	28	1.92	Dec. 1	4.59	28	5.09
13	6.00	May 6	2.60	8	4.64	July 5	5.23
19	6.06	12	2.99	15	4.78	12	5.32
20	6.05	19	3.38	23	4.86	19	5.42
27	6.06	26	3.70	29	5.02	26	5.58
Nov. 3	6.11	June 2	3.62	Jan. 5, 1952	5.14	Aug. 2	5.66
10	6.13	9	3.93	12	5.23	9	5.77
16	6.15	16	4.18	19	5.28	16	6.82
25	6.18	23	4.41	26	5.35	23	5.77
Dec. 2	6.20	30	4.48	Feb. 2	5.41	30	5.88
8	6.21	July 7	4.25	9	5.44	Sept. 6	5.94
16	6.23	14	3.64	16	5.53	13	5.99
23	6.23	21	3.87	23	5.59	20	6.02
30	6.23	28	4.32	Mar. 3	5.61	27	6.07
Jan. 6, 1951	6.23	Aug. 5	4.59	8	5.67	Oct. 4	6.10
13	6.25	11	4.82	15	5.72	11	6.15
19	6.24	18	4.83	22	5.75	18	6.18
25	6.30	25	5.01	29	5.35	25	6.19
27	6.26	Sept. 1	5.15	Apr. 5	2.88	Nov. 1	6.21
Feb. 2	6.26	8	5.27	12	2.76	8	6.19
9	6.27	15	5.42	19	2.72	15	6.20
17	6.28	22	5.50	26	3.15	24	6.21
24	6.21	29	5.48	May 3	3.64	29	6.13
Mar. 3	6.20	Oct. 6	5.06	10	3.92	Dec. 6	6.15
9	5.39	14	4.93	17	4.02	13	6.12
16	5.30	20	4.94	20	4.24	20	6.13
24	5.35	27	4.16	24	4.43	27	6.14

Pt 37. U. S. Geol. Survey. SE¼SE¼ sec. 25, T. 21 N., R. 8 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 17 feet, cased to 15, well point. Highest water level 6.20 below lsd, Apr. 1, 1952; lowest 11.63 below lsd, Feb. 20, 1951. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 8, 1950	10.30	May 1, 1951	8.54	Nov. 27, 1951	8.95	June 17, 1952	8.48
16	10.00	7	8.47	Dec. 4	8.94	24	8.49
23	10.00	15	8.55	11	9.00	July 1	8.42
30	10.39	21	8.64	26	9.24	8	8.72
Oct. 8	10.51	29	8.68	Jan. 1, 1952	9.31	15	8.86
14	10.58	June 5	8.65	8	9.32	22	8.92
19	10.63	13	8.83	15	9.39	29	9.16
22	10.65	19	8.84	23	9.49	Aug. 4	9.19
Nov. 3	10.75	26	8.85	29	9.53	12	9.22
11	10.82	July 3	8.85	Feb. 5	9.59	19	9.23
18	10.86	11	8.36	12	9.67	26	9.35
25	10.85	17	8.46	20	9.73	Sept. 2	9.41
Dec. 2	10.99	24	8.55	26	9.78	10	9.58
12	11.07	Aug. 2	8.70	Mar. 4	9.85	16	9.58
19	11.15	7	8.79	11	9.93	23	9.66
26	11.19	15	8.71	19	9.97	30	10.25
Jan. 2, 1951	11.25	22	8.72	25	9.83	Oct. 7	9.82
9	11.32	28	8.88	Apr. 1	6.20	14	9.89
17	11.37	Sept. 4	9.06	8	7.70	22	9.95
23	11.40	11	9.05	15	7.78	28	10.01
25	11.46	18	9.18	22	7.67	Nov. 4	10.05
Feb. 5	11.51	26	9.15	23	7.83	11	10.13
20	11.63	Oct. 2	9.25	May 7	7.97	18	10.17
28	11.50	9	9.24	13	7.99	25	10.25
Mar. 6	11.57	16	9.32	20	8.01	Dec. 2	10.30
14	11.55	22	9.22	20	8.12	9	10.34
19	11.58	30	8.92	27	8.21	16	10.40
Apr. 3	10.41	Nov. 7	8.97	June 3	8.24	23	10.40
16	9.09	13	8.85	10	8.40	30	10.52
23	8.80	20	8.92				

Pt 40. U. S. Geol. Survey. NW¼SW¼ sec. 2, T. 24 N., R. 8 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 13 feet, cased to 11, well point. Highest water level 3.66 below lsd, May 2, 1951; lowest 10.19 below lsd, Mar. 6, 1951. Records available: 1950-52. Jan. 10, 7.34; Mar. 12, 8.36; May 21, 5.49; Aug. 28, 7.06; Oct. 27, 8.36; Dec. 31, 9.29.

Pt 41. U. S. Geol. Survey. SW¼SW¼ sec. 35, T. 21 N., R. 7 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 12 feet, cased to 12, well point. Highest water level 0.40 below lsd, Apr. 14, 1951; lowest 6.24 below lsd, Dec. 27, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	3.25	Apr. 12	0.85	July 12	3.62	Oct. 11	5.62
12	3.35	19	1.10	19	3.94	18	5.68
19	3.35	26	1.62	26	4.07	25	5.77
26	3.50	May 3	2.00	Aug. 2	4.38	Nov. 1	5.87
Feb. 9	3.58	10	2.26	9	4.52	8	5.93
16	3.64	17	2.42	16	4.70	15	5.97
23	3.76	20	2.60	23	4.73	22	6.03
Mar. 1	3.90	24	2.22	30	4.90	29	6.06
8	4.10	31	1.90	Sept. 6	5.10	Dec. 6	6.10
15	4.08	June 7	2.55	13	5.22	13	6.16
22	3.56	14	2.96	20	5.32	20	6.20
29	3.22	28	2.97	27	5.43	27	6.24
Apr. 5	.87	July 5	3.40	Oct. 4	5.53		

Pt 42. U. S. Geol. Survey. NE¼NW¼W½ sec. 30, T. 23 N., R. 9 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 17 feet, cased to 15, well point. Highest water level 6.11 below lsd, Oct. 19, 1950; lowest 10.20 below lsd, Mar. 7, 1951. Records available: 1950-52. Jan. 10, 7.67; Mar. 13, 8.17; May 20, 6.46; July 23, 7.14; Aug. 28, 7.52; Oct. 29, 8.22; Dec. 31, 8.82.

Pt 43. Alton Bowden. SE¼SW¼ sec. 29, T. 21 N., R. 9 E. Dug unused water-table well in outwash sand and gravel, diameter 30 inches by 4 feet, reported depth 40 feet. Highest water level 27.53 below lsd, Aug. 28, 1952; lowest 29.70 below lsd, Mar. 7, 1951. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 10, 1950	28.59	Mar. 7, 1951	29.70	Nov. 7, 1951	28.26	Aug. 28, 1952	27.53
19	28.78	May 3	28.90	Jan. 10, 1952	28.40	Sept. 9	27.64
Nov. 29	29.11	July 12	28.25	Mar. 11	28.58	Oct. 30	27.86
Jan. 16, 1951	29.41	Aug. 30	28.13	July 24	28.78	Dec. 31	28.03

Pt 44. U. S. Geol. Survey. NW¼NW¼ sec. 27, T. 23 N., R. 8 E. Driven unused water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 17 feet, cased to 15, screen 15-17. Highest water level 9.15 below lsd, May 20, 1952; lowest 12.20 below lsd, Dec. 29, 1952. Records available: 1951-52.

Aug. 31, 1951	9.52	Jan. 10, 1952	10.22	July 25, 1952	10.12	Oct. 29, 1952	11.42
Nov. 1	9.67	May 20	9.15	Aug. 28	10.58	Dec. 29	12.20

Pt 45. U. S. Geol. Survey. NW¼SW¼ sec. 2, T. 22 N., R. 7 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 12 feet, cased to 10, screen 10-12. Highest water level 1.54 below lsd, July 10, 1951; lowest 7.46 below lsd, Mar. 8, 1951. Records available: 1950-52.

Oct. 11, 1950	6.02	May 2, 1951	2.50	Nov. 1, 1951	2.84	July 25, 1952	3.63
Dec. 1	6.70	July 10	1.54	Jan. 10, 1952	3.72	Aug. 28	3.84
Mar. 8, 1951	7.46	Aug. 30	2.84	May 20	3.04	Oct. 27	5.13

Pt 59. U. S. Geol. Survey. SW¼SW¼ sec. 31, T. 21 N., R. 7 E. Driven unused water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 15 feet. Highest water level 7.43 below lsd, Aug. 8, 1951; lowest 10.54 below lsd, Oct. 27, 1952. Records available: 1951-52.

Aug. 8, 1951	7.43	Jan. 10, 1952	8.84	July 25, 1952	8.47	Oct. 27, 1952	10.54
28	7.51	May 20	7.56	Aug. 28	9.39	Dec. 30	10.18
Nov. 1	7.96						

Pt 71. Bernard Stanke. NE¼SW¼ sec. 5, T. 23 N., R. 10 E. Nelsonville. Driven unused water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 25 feet. Highest water level 12.00 below lsd, Aug. 27, 1952; lowest 13.34 below lsd, Dec. 30, 1952. Records available: 1951-52.

July 26, 1951	12.44	Nov. 7, 1951	12.58	May 22, 1952	12.26	Oct. 28, 1952	13.33
Aug. 29	12.76	Jan. 9, 1952	12.73	Aug. 27	12.00	Dec. 30	13.34

Pt 76. Fred Turner. SW¼NE¼ sec. 8, T. 21 N., R. 10 E. Almond. Dug domestic and stock water-table well in sand and gravel, diameter 12 inches, depth 74 feet. Highest water level 63.48 below lsd, July 24, 1952; lowest 64.66 below lsd, Jan. 10, 1952. Records available: 1951-52.

Aug. 1, 1951	64.26	Nov. 7, 1951	64.44	May 20, 1952	63.57	Aug. 28, 1952	63.59
30	64.22	Jan. 10, 1952	64.66	July 24	63.48	Oct. 29	63.93

Pt 77. Portage County. SE¼NE¼ sec. 23, T. 24 N., R. 10 E. Drilled unused water-table well, diameter 4 inches, depth 108 feet. Highest water level 92.59 below lsd, Aug. 27, 1952; lowest 93.75 below lsd, Aug. 2, 1951. Records available: 1951-52.

Aug. 2, 1951	93.75	Jan. 9, 1952	93.67	May 22, 1952	93.18	Oct. 28, 1952	92.95
29	93.63	Mar. 12	93.54	Aug. 27	92.59	Dec. 30	93.19
Nov. 7	93.62						

Pt 79. U. S. Geol. Survey. SE¼NW¼ sec. 35, T. 21 N., R. 10 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 20 feet, cased to 20, well point. Highest water level 14.02 below lsd, May 22, 1952; lowest 15.01 below lsd, Mar. 11, 1952. Records available: 1951-52. Jan. 10, 14.91; Mar. 11, 15.01; May 22, 14.02; July 24, 14.28; Aug. 28, 14.48; Oct. 30, 14.66; Dec. 31, 14.84.

Pt 80. U. S. Geol. Survey. NW¼NW¼ sec. 6, T. 22 N., R. 7 E. Driven unused water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Highest water level 5.18 below lsd, Nov. 1, 1951; lowest 8.18 below lsd, Dec. 29, 1952. Records available: 1951-52.

Aug. 8, 1951	5.30	Jan. 10, 1952	6.03	July 25, 1952	6.34	Oct. 27, 1952	7.47
28	5.53	May 20	5.34	Aug. 28	6.48	Dec. 29	8.18
Nov. 1	5.18						

Pt 82. Bordens Condensery. NW¼SW¼ sec. 2, T. 24 N., R. 6 E. Junction City. Drilled unused well. Highest water level 0.85 below lsd, Apr. 2, 1952; lowest 4.57 below lsd, Dec. 31, 1952. Records available: 1951-52.

Daily lowest water level from recorder graph, 1951

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 8	2.40	Nov. 22	2.09	Dec. 6	2.20	Dec. 19	2.84
9	2.43	23	2.17	7	2.22	20	2.85
10	2.43	24	2.25	8	2.31	21	3.10
11	2.44	25	2.31	9	2.36	22	3.10
12	2.44	26	2.40	10	2.39	23	3.10
13	1.85	27	2.43	11	2.42	24	3.09
14	1.30	28	2.45	12	2.49	25	3.09
15	1.47	29	2.46	13	2.53	26	3.15
16	1.66	30	2.43	14	2.53	27	3.15
17	1.77	Dec. 1	2.38	15	2.78	28	3.15
18	1.81	2	2.31	16	2.80	29	3.15
19	1.97	3	2.22	17	2.82	30	3.17
20	2.02	4	2.14	18	2.83	31	3.23
21	2.03	5	2.17				

Daily lowest water level from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.23	3.18	2.73	1.20	2.26	2.44	....	2.99	2.45	3.62	4.30	3.63
2	3.25	3.18	2.79	1.25	2.35	2.52	....	2.90	2.50	3.68	4.35	3.70
3	3.30	3.15	2.84	1.41	2.43	2.57	....	2.90	2.56	3.69	4.38	3.73
4	3.30	3.12	2.88	1.52	2.48	2.67	....	1.88	2.62	3.71	4.38	3.73
5	3.29	3.12	2.95	1.60	2.57	2.73	....	1.96	2.64	3.76	4.35	3.73
6	3.30	3.13	2.98	1.65	2.63	2.83	....	2.08	2.71	3.80	4.38	3.73
7	3.31	3.13	2.91	1.70	2.67	2.93	....	2.15	2.74	3.83	4.40	3.75
8	3.31	3.15	2.89	1.73	2.66	2.95	....	2.15	2.80	3.84	4.40	3.76
9	3.32	3.16	2.88	1.73	2.65	2.72	....	2.00	2.86	3.85	4.44	3.75
10	3.43	3.16	2.72	1.75	2.65	2.84	....	2.05	2.93	3.88	4.46	3.73
11	3.45	3.20	2.44	1.66	2.63	2.93	....	2.17	3.00	3.88	4.47	3.71
12	3.43	3.20	2.23	1.68	2.64	3.00	....	2.28	3.05	3.89	4.48	3.73
13	3.44	3.19	2.15	1.70	2.68	3.02	....	2.36	3.09	3.95	4.48	3.75
14	3.42	3.18	2.08	1.72	2.69	2.49	....	2.48	3.09	3.99	4.48	3.78
15	3.13	3.18	2.02	1.35	2.41	2.57	....	2.50	3.04	4.00	4.51	3.83
16	3.05	3.16	2.02	1.44	2.48	2.65	....	1.94	3.08	4.02	4.53	3.87
17	3.01	3.05	1.98	1.53	2.55	2.75	....	2.04	3.12	4.05	4.53	3.92
18	2.97	2.94	1.97	1.58	2.62	2.87	....	2.15	3.18	4.05	4.70	3.99
19	2.97	2.92	1.90	1.59	2.68	3.05	....	2.18	3.25	4.08	4.55	4.03
20	2.98	2.90	1.64	1.64	2.74	2.63	....	1.68	3.32	4.13	4.45	4.06
21	2.99	2.97	1.63	1.66	2.80	2.36	....	1.68	3.37	4.59	4.40	4.09
22	2.97	3.01	1.61	1.65	2.89	2.42	....	1.84	3.38	4.65	4.40	4.09
23	2.97	3.05	1.70	1.72	2.90	2.48	....	1.94	3.42	4.56	4.38	4.09
24	2.99	3.09	1.83	1.80	2.86	....	2.22	2.03	3.43	4.44	4.38	4.07
25	3.00	3.05	1.89	1.86	2.78	....	2.32	2.12	3.44	4.40	4.38	4.04
26	3.05	3.05	1.91	1.85	2.83	....	2.45	2.17	3.49	4.35	4.17	4.02
27	3.05	3.05	1.79	1.93	2.84	....	2.52	2.23	3.50	4.30	3.73	4.00
28	3.05	3.01	1.71	2.03	2.63	....	2.95	2.30	3.55	4.32	3.64	4.00
29	3.05	2.75	1.66	2.11	2.64	....	2.94	2.35	3.61	4.32	3.61	4.77
30	3.05		1.62	2.19	2.65	....	2.93	2.38	3.62	4.30	3.63	4.70
31	3.17		1.53		2.45		2.98	2.40		4.27		4.57

Price County

Pr 6. Wisconsin Conservation Department. NE¼SW¼ sec. 24, T. 40 N., R. 1 E. Jetted unused water-table well in sand and gravel, diameter 8 inches, reported depth 15 feet, cased to 15. Land-surface datum is 1,490 feet above msl. Highest water level 0.41 below lsd, June 29, 1946; lowest 5.67 below lsd, Oct. 31, 1948. Records available: 1937-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	1.81	Feb. 1	2.18	Mar. 8	2.25	Apr. 5	1.25
5	2.02	9	2.25	15	2.31	12	.75
12	2.14	16	2.19	22	2.21	19	.92
19	1.94	23	2.24	29	2.09	26	.87
26	2.16	29	2.24	31	1.64	30	1.05
31	2.20	Mar. 1	2.24	Apr. 1	1.64	May 1	1.05

Pr 6--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 10	1.19	July 21	0.50	Sept. 20	1.88	Nov. 8	2.73
17	1.03	26	.98	24	1.90	15	2.85
24	1.10	31	1.29	27	2.00	22	2.90
31	.99	Aug. 1	1.29	30	2.12	30	2.80
June 7	1.36	9	.81	Oct. 1	2.12	Dec. 1	2.80
14	1.38	16	.94	4	2.29	6	2.89
21	1.41	23	.96	11	2.40	13	2.79
28	.94	31	1.03	18	2.40	20	3.06
30	.94	Sept. 1	1.03	25	2.53	27	3.13
July 1	.94	6	1.45	31	2.65	31	3.21
5	1.28	13	1.79	Nov. 1	2.65		

Racine County

Ra 3. City of Burlington. NE¼NW¼ sec. 32, T. 3 N., R. 19 E. Drilled unused artesian well in sandstone and limestone, diameter 8 inches, reported depth 1,008 feet. Land-surface datum is 766 feet above msl. Highest water level 10.85 below lsd, Apr. 16, 1952; lowest 20.60 below lsd, Dec. 5, 1949. Records available: 1946-52. Apr. 16, 10.85; June 19, 11.63; Aug. 19, 11.72; Oct. 16, 12.94; Dec. 12, 13.03.

Ra 4. Pure Milk Association. NE¼NE¼ sec. 34, T. 3 N., R. 20 E. Drilled industrial well in limestone, diameter 6 inches, reported depth 200 feet. Land-surface datum is 824 feet above msl. Highest water level 41.46 below lsd, Aug. 20, 1952; lowest 51.17 below lsd, Apr. 3, 1950. Records available: 1946-52. Aug. 20, 41.46; Oct. 16, 41.99; Dec. 11, 42.91.

Ra 5. Chicago, Milwaukee, St. Paul & Pacific Railroad Co. SE¼SW¼ sec. 21, T. 3 N., R. 22 E. Drilled railroad artesian well in sandstone and limestone, diameter 12 inches, reported depth 1,810 feet, cased 0-586, 976-1,083, plugged 1,176. Land-surface datum is 730 feet above msl. Highest water level 109.00 below lsd, July 29, 1946; lowest 133.40 below lsd, Dec. 11, 1952. Records available: 1946-52. Apr. 16, 130.85; June 5, 133.04; Oct. 16, 132.89; Dec. 11, 133.40.

Ra 8. Harold Wollmer. NW¼NW¼ sec. 10, T. 4 N., R. 21 E. Drilled domestic well, diameter 5 inches, reported depth 368 feet, cased to 136. Highest water level 63.18 below lsd, June 10, 1947; lowest 71.54 below lsd, July 3, 1951. Records available: 1946-52. Jan. 23, 66.03; Mar. 12, 67.01; June 2, 56.47; Aug. 26, 67.40; Nov. 10, 68.49.

Ra 14. Kilbourn Club. SW¼SW¼ sec. 30, T. 4 N., R. 22 E. Drilled industrial artesian well in sandstone, diameter 10 to 8 inches, reported depth 1,025 feet, cased to 540. Highest water level 159.05 below lsd, Sept. 13, 1950; lowest 170.32 below lsd, Nov. 10, 1952. Records available: 1950-52. Jan. 23, 167.47; Mar. 12, 168.11; June 2, 168.45; Aug. 26, 169.53; Nov. 10, 170.32.

Ra 23. Wisconsin Gas & Electric Co. Second and Lake Sts., Racine. Drilled artesian well in sandstones of Cambrian and Ordovician age and in limestone of Ordovician and Silurian age, diameter 12 inches, reported depth 1,720 feet, cased to 70, liner through shale. Highest water level 5.27 below lsd, Aug. 20, 1952; lowest 6.91 below lsd, Dec. 11, 1952. Records available: 1952. June 17, 6.33; Aug. 20, 5.27; Oct. 16, 5.95; Dec. 11, 6.91.

Rock County

Ro 3. School for the Blind. SW¼NE¼ sec. 2, T. 2 N., R. 12 E. Janesville. Drilled unused artesian well in sandstone, diameter 10 inches, reported depth 470 feet, cased to 113. Land-surface datum is 824 feet above msl. Highest water level 54.47 below lsd, Apr. 16, 1952; lowest 59.07 below lsd, Sept. 29, 1948. Records available: 1947-52. Apr. 16, 54.47; June 19, 55.25; Aug. 20, 55.01; Oct. 16, 55.54; Dec. 11, 55.60.

Ro 8. Village of Milton. SE¼SE¼ sec. 27, T. 4 N., R. 13 E. Drilled well in sandstone, diameter 12 inches, reported depth 725 feet, cased to 270. Highest water level 58.26 below lsd, Dec. 11, 1952; lowest 61.08 below lsd, June 19, 1952. Records available: 1952. Apr. 30, 60.15; June 19, 61.08; Aug. 21, 59.94; Oct. 16, 59.72; Dec. 11, 58.26.

St. Croix County

SC 2. Casey Estate. SW¼NE¼ sec. 31, T. 28 N., R. 19 W. Drilled unused well, diameter 5 inches. Highest water level 46.44 below lsd, Oct. 17, 1947; lowest 52.89 below lsd, Apr. 19, 1951. Records available: 1947-52. Mar. 27, 50.90; June 4, 47.73; Aug. 7, 47.16; Oct. 23, 47.40; Dec. 18, 47.84.

Sauk County

Sk 1. Badger Ordnance Works. SW¼SE¼ sec. 3, T. 10 N., R. 6 E. Drilled unused artesian well in sandstone, diameter 16 inches, reported depth 435 feet, cased to 208. Land-surface datum is 917 feet above msl. Highest water level 58.82 below lsd, Nov. 26, 1952; lowest 85.30 below lsd, May 11, 1951. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63.31	62.86	62.72	61.84	60.86	60.65	60.30	60.05	59.72	59.65	59.52	59.58
2	63.33	62.85	62.45	61.81	60.91	60.60	60.26	59.94	59.70	59.76	59.67	59.46
3	63.29	62.67	62.36	61.87	60.90	60.52	60.22	59.92	59.85	59.81	59.68	59.46
4	63.20	62.68	62.64	61.86	60.84	60.62	60.36	59.86	59.86	59.67	59.59	59.40
5	63.12	62.75	62.74	61.83	60.77	60.49	60.37	60.00	59.83	59.73	59.37	59.25
6	63.17	62.77	62.76	61.81	60.89	60.45	60.33	60.00	59.90	59.82	59.52	59.29
7	63.13	62.75	62.72	61.81	60.94	60.53	60.24	59.95	59.93	59.84	59.56	59.18
8	62.90	62.74	62.55	61.73	60.82	60.42	60.27	59.89	59.87	59.75	59.46	59.17
9	63.08	62.74	62.25	61.03	60.70	60.49	60.23	59.75	59.84	59.77	59.51	59.21
10	63.19	62.67	62.14	61.75	60.71	60.50	60.18	59.80	59.83	59.81	59.56	59.25
11	63.16	62.71	62.35	61.69	60.66	60.55	60.22	59.81	59.85	59.69	59.45	59.23
12	63.02	62.71	62.29	61.51	60.72	60.35	60.27	59.90	59.80	59.53	59.47	59.37
13	63.00	62.38	62.34	61.30	60.76	60.35	60.25	59.92	59.77	59.62	59.41	59.36
14	62.92	62.40	62.43	61.39	60.65	60.33	60.24	59.84	59.70	59.70	59.37	59.34
15	63.01	62.55	62.35	61.46	60.69	60.36	60.22	59.77	59.73	59.63	59.45	59.33
16	63.04	62.53	62.36	61.43	60.75	60.24	60.23	59.81	59.70	59.69	59.45	59.30
17	62.72	62.53	62.28	61.40	60.80	60.33	60.25	59.88	59.60	59.77	59.43	59.40
18	62.33	62.46	62.07	61.33	60.84	60.32	60.20	59.96	59.60	59.77	59.31	59.46
19	62.65	62.71	62.12	61.23	60.79	60.45	60.18	59.92	59.73	59.84	59.33	59.51
20	62.49	62.80	62.21	61.22	60.68	60.40	60.05	59.79	59.78	59.86	59.38	59.28
21	62.48	62.69	62.29	61.17	60.71	60.34	59.98	59.89	59.83	59.87	59.44	59.29
22	62.74	62.51	62.09	61.14	60.74	60.34	59.97	60.00	59.78	59.70	59.48	59.24
23	62.49	62.70	62.04	61.24	60.67	60.30	60.10	59.96	59.81	59.66	59.47	59.18
24	62.22	62.74	62.14	61.20	60.61	60.15	60.14	59.93	59.84	59.61	59.52	59.31
25	62.65	62.74	62.16	61.12	60.62	60.09	60.04	59.91	59.74	59.65	59.39	59.33
26	62.79	62.76	62.21	61.02	60.67	60.27	60.07	59.89	59.80	59.52	59.27	59.31
27	62.89	62.87	62.20	60.95	60.59	60.28	60.07	59.84	59.75	59.53	59.50	59.39
28	62.92	62.91	62.14	60.95	60.67	60.26	60.04	59.82	59.65	59.67	59.52	59.32
29	62.90	62.79	62.14	60.95	60.64	60.21	60.04	59.82	59.79	59.65	59.54	59.24
30	62.88		62.01	60.93	60.53	60.28	60.05	59.77	59.72	59.50	59.57	59.25
31	62.66		61.83		60.57		60.12	59.68		59.52		59.27

Sk 6. A. W. Rohn, Baraboo Iron Works. SE¼SW¼ sec. 1, T. 11 N., R. 6 E. Drilled unused artesian well in sandstone, diameter 5 to 4 inches, depth 318 feet, cased to 266. Land-surface datum is 819 feet above msl. Highest water level 5.21 above lsd, Mar. 29, 1952; lowest 1.26 above lsd, Feb. 4, 1951. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	+4.76	Apr. 12	+4.91	July 11	+4.57	Oct. 10	+5.07
10	4.21	20	5.20	18	4.55	17	4.88
16	4.76	26	4.46	26	4.85	24	4.83
29	4.91	May 3	4.67	Aug. 2	4.70	29	5.10
Feb. 1	4.92	10	4.58	9	4.60	Nov. 6	4.71
9	4.98	17	4.81	15	4.83	15	4.76
16	4.81	23	4.46	23	4.58	21	4.88
22	4.81	31	4.74	31	5.08	28	4.97
Mar. 8	4.86	June 7	4.90	Sept. 6	4.86	Dec. 6	4.82
13	5.03	21	4.79	13	4.87	18	4.81
22	5.13	27	4.91	25	2.56	26	4.70
29	5.21	July 4	4.56	Oct. 4	5.06	31	4.48
Apr. 4	4.91						

Sk 9. Wisconsin Creamery Co. NW¼SE¼ sec. 12, T. 9 N., R. 6 E. Drilled unused artesian well in sandstone, diameter 10 inches, reported depth 380 feet, cased to 160. Land-surface datum is 757 feet above msl. Highest water level 43.5 below lsd, June 7, 1950, July 20, 1951; lowest 52.3 below lsd, Oct. 24, 1952. Records available: 1950-52. Mar. 28, 45.4; Oct. 24, 52.3; Dec. 19, 44.2.

Sk 11. Wilbur S. Grant. SW¼NE¼ sec. 15, T. 10 N., R. 6 E. Drilled domestic and stock artesian well in sandstone, diameter 8 to 6 inches, reported depth 625 feet, cased to 390. Land-surface datum is 859 feet above msl. Highest water level 82.54 below lsd, Dec. 19, 1952; lowest 89.58 below lsd, Apr. 20, 1951. Records available: 1948-52. Jan. 30, 85.54; Mar. 28, 84.90; June 6, 84.02; Aug. 8, 83.69; Oct. 24, 82.97; Dec. 19, 82.54.

Sk 12. Devils Lake State Park. NE¼SW¼ sec. 13, T. 11 N., R. 6 E. Drilled unused well, diameter 8 inches, depth 237 feet. Highest water level 123.36 below lsd, July 8, 1952; lowest 128.08 below lsd, June 7, 1950. Records available: 1948-52. July 8, 123.36.

Sk 14. Devils Lake State Park. SW¼SE¼ sec. 24, T. 11 N., R. 6 E. Drilled public-supply water-table well in sand, diameter 6 to 4 inches, depth 277 feet. Land-surface datum is 979 feet above msl. Highest water level 104.89 below lsd, July 8, 1952; lowest 121.38 below lsd, Apr. 29, 1949. Records available: 1948-49, 1951-52. July 8, 104.89.

Sawyer County

Sw 7. Wisconsin Conservation Department. NE¼SE¼ sec. 28, T. 41 N., R. 9 W. Dug water-table well in gravel, diameter 8 inches, depth 25 feet. Land-surface datum is 1,190 feet above msl. Highest water level 15.16 below lsd, Apr. 21, 1951; lowest 17.31 below lsd, Oct. 23, 1948. Records available: 1937-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	16.47	Apr. 5	15.27	July 12	16.40	Oct. 4	16.42
12	16.51	12	15.89	19	16.31	11	16.53
20	16.55	19	15.58	26	15.62	18	16.58
26	16.57	26	15.40	Aug. 2	15.73	25	16.63
Feb. 2	16.59	May 3	15.58	9	15.81	Nov. 1	16.79
9	16.62	10	15.79	16	15.94	8	16.82
16	16.65	17	15.97	23	16.09	15	16.85
23	16.69	24	16.08	30	16.17	22	16.87
Mar. 1	16.70	31	16.21	Sept. 6	16.17	29	16.90
8	16.72	June 14	15.33	13	16.26	Dec. 6	16.91
15	16.74	21	16.42	20	16.26	13	16.94
22	16.74	28	16.34	23	16.29	20	16.95
29	16.74	July 5	16.35	27	16.35	27	16.97

Shawano County

Sh 1. Harry Sievert. NW¼NW¼ sec. 30, T. 26 N., R. 18 E. Drilled unused well in limestone, diameter 6 inches, depth 132 feet. Land-surface datum is 917 feet above msl. Highest water level 53.47 below lsd, Dec. 6, 1951; lowest 63.52 below lsd, Feb. 7, 1951. Records available: 1947-52. Feb. 7, 55.80; Apr. 10, 54.37; June 13, 56.43; Aug. 14, 57.33; Oct. 9, 59.49; Dec. 4, 60.68.

Sh 2. Shawano District School. SE¼NE¼ sec. 2, T. 26 N., R. 16 E. Drilled unused water-table well in limestone, diameter 5 inches, depth 85 feet. Land-surface datum is 999 feet above msl. Highest water level 35.49 below lsd, June 13, 1952; lowest 53.84 below lsd, Feb. 9, 1950. Records available: 1947-52. Feb. 7, 41.60; Apr. 10, 36.05; June 13, 35.49; Aug. 14, 44.28; Oct. 9, 48.46; Dec. 4, 49.66.

Sh 3. George Martin. NE¼NW¼ sec. 2, T. 26 N., R. 16 E. Drilled unused water-table well in limestone, diameter 4 inches, depth 30 feet. Land-surface datum is 957 feet above msl. Highest water level 0.80 above lsd, Apr. 14, 1951; lowest 15.05 below lsd, Dec. 30, 1949. Records available: 1947-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.08	.....	10.90	8.44	4.06	6.78	8.44	9.66	10.71	11.54	12.04	12.49
2	10.08	.....	10.90	8.44	4.28	6.80	8.48	9.71	10.76	11.62	12.08	12.49
3	10.08	.....	10.90	8.45	4.36	6.94	8.53	9.72	10.83	11.63	12.10	12.50
4	10.08	.....	10.95	8.45	4.43	6.98	8.61	9.75	10.86	11.63	12.08	12.50
5	10.08	.....	11.03	8.46	4.57	7.01	8.67	9.82	10.89	11.66	11.99	12.45
6	10.13	.....	11.05	8.47	4.77	7.12	8.70	9.86	10.95	11.70	12.11	12.49
7	10.13	10.55	11.05	8.47	4.80	7.17	8.73	9.88	10.97	11.71	12.13	12.50
8	10.12	10.60	11.05	.....	4.87	7.23	8.74	9.88	10.97	11.72	12.14	12.50
9	10.14	10.61	10.93	.....	4.94	7.31	8.75	9.91	11.00	11.75	12.18	12.51
10	10.14	10.61	10.88	2.28	5.00	7.43	8.81	9.94	11.04	11.76	12.18	12.53
11	10.14	10.66	10.99	2.43	5.17	7.53	8.89	10.00	11.08	11.75	12.19	12.55
12	10.14	10.70	11.00	2.59	5.27	7.53	8.93	10.06	11.11	11.70	12.20	12.57
13	10.14	10.75	11.02	2.80	5.35	7.55	8.96	10.10	11.14	11.76	12.20	12.57
14	10.13	10.76	11.05	2.88	5.37	7.63	8.97	10.17	11.16	11.79	12.19	12.58
15	10.08	10.76	11.05	2.93	5.52	7.67	9.04	10.21	11.17	11.79	12.23	12.59
16	10.08	10.72	11.01	2.95	5.63	7.68	9.07	10.26	11.19	11.84	12.25	12.60
17	10.15	10.75	11.01	2.92	5.75	7.80	9.12	10.32	11.19	11.87	12.25	12.64
18	10.15	10.79	10.93	2.72	5.82	7.88	9.15	10.36	11.24	11.87	12.23	12.67
19	10.15	10.79	10.76	2.58	5.86	7.96	9.20	10.36	11.31	11.92	12.27	12.67
20	10.16	10.71	10.78	2.72	5.91	8.02	9.17	10.36	11.36	11.94	12.30	12.66

Sh 3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	10.16	10.78	10.76	2.78	6.05	8.06	9.18	10.47	11.38	11.94	12.34	12.64
22	10.17	10.81	10.62	3.04	6.14	8.10	9.22	10.50	11.39	11.90	12.35	12.64
23	10.44	10.81	9.02	3.18	6.16	8.10	9.32	10.50	11.43	11.91	12.36	12.62
24	10.47	10.85	8.44	3.30	6.23	8.17	9.35	10.53	11.44	11.95	12.38	12.67
25	10.47	10.85	8.43	3.42	6.33	8.17	9.37	10.55	11.44	11.96	12.38	12.67
26	10.40	10.83	8.44	3.52	6.40	8.29	9.43	10.58	11.47	11.94	12.25	12.69
27	10.46	10.79	8.44	3.65	6.47	8.35	9.44	10.60	11.48	11.96	12.40	12.72
28	10.48	10.80	8.44	3.78	6.57	8.37	9.50	10.64	11.53	12.02	12.43	12.72
29	10.49	10.83	8.44	3.92	6.62	8.37	9.51	10.68	11.56	12.02	12.44	12.68
30	10.50		8.45	4.02	6.64	8.41	9.60	10.68	11.56	11.99	12.49	12.72
31	.....		8.45		6.68		9.65	10.69		12.01		12.72

Sh 4. John Short. NE¼SW¼ sec. 28, T. 25 N., R. 17 E. Drilled unused water-table well in limestone, diameter 4 inches, reported depth 50 feet. Highest water level 3.66 below lsd, Apr. 10, 1952; lowest 8.68 below lsd, Feb. 7, 1951. Records available: 1947-52. Feb. 8, 4.95; Apr. 10, 3.66; June 13, 5.28; Aug. 14, 5.80; Oct. 9, 7.35; Dec. 4, 7.46.

Sh 5. Lew and Sylvester Jarosinski. SW¼NE¼ sec. 4, T. 25 N., R. 18 E. Drilled industrial well in limestone, diameter 6 inches, reported depth 99 feet. Highest water level 10.17 below lsd, Dec. 6, 1951; lowest 21.75 below lsd, Feb. 7, 1951. Records available: 1948-52. Feb. 7, 13.27; June 13, 13.74; Aug. 14, 14.20; Oct. 9, 16.83; Dec. 4, 17.60.

Trempealeau County

Tr 1. Mrs. William Davidson. SW¼SW¼ sec. 35, T. 19 N., R. 8 W. Drilled unused well in sandstone, diameter 6 inches. Highest water level 137.63 below lsd, Apr. 19, 1951; lowest 142.39 below lsd, Sept. 28, 1949. Records available: 1947-52. Mar. 27, 140.13; June 4, 138.41; Aug. 7, 137.91; Oct. 23, 138.81; Dec. 18, 139.59.

Vernon County

Ve 4. Albert Storbakken. NE¼NE¼ sec. 14, T. 14 N., R. 5 W. Drilled unused well, diameter 4 inches, depth 16 feet, cased to 16. Land-surface datum is 900 feet above msl. Highest water level 7.72 below lsd, Apr. 19, 1951; lowest 11.14 below lsd, Dec. 1, 1939. Records available: 1934-52. Jan. 28, 10.17; Mar. 26, 9.53; June 4, 9.70. Measurement discontinued.

Ve 8. M. H. Willenberg. SW¼NE¼ sec. 26, T. 14 N., R. 7 W. Dug unused well, diameter 30 inches, depth 44 feet, cased to 44. Land-surface datum is 710 feet above msl. Highest water level 44.00 below lsd, Feb. 26, 1944; lowest 51.52 below lsd, Jan. 8, 1942. Records available: 1934-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	48.50	Apr. 22	48.27	July 22	48.23	Sept. 22	48.18
Feb. 27	49.00	May 27	48.27	Aug. 6	47.07	Oct. 22	48.26
Mar. 28	48.98	June 8	48.26	26	48.22	Nov. 28	48.27

Ve 9. Ferdinand Lenser. NW¼NE¼ sec. 14, T. 14 N., R. 7 W. Dug unused well in sandstone, diameter 48 to 30 inches, depth 52 feet, cased to 52. Land-surface datum is 940 feet above msl. Highest water level 46.09 below lsd, Oct. 22, 1952; lowest 49.39 below lsd, Apr. 8, 1942. Records available: 1934-52. Jan. 29, 47.44; Mar. 27, 47.61; June 4, 46.89; Aug. 6, 46.67; Oct. 22, 46.09; Dec. 17, 46.24.

Ve 14. Chris Benrud. NE¼NW¼ sec. 6, T. 14 N., R. 4 W. Drilled unused well, diameter 4 inches, depth 24 feet. Highest water level 6.30 below lsd, May 26, 1945; lowest 7.88 below lsd, Aug. 2, 1941. Records available: 1935-52. Jan. 28, 7.53; Mar. 26, 6.93; June 4, 7.10; Aug. 6, 7.27; Oct. 22, 7.49; Dec. 17, 7.35.

Vilas County

Vi 3. Wisconsin Conservation Department. NE¼NW¼ sec. 9, T. 41 N., R. 10 E. Driven unused water-table well in sand, diameter 2 inches, depth 20 feet. Land-surface datum is 1,658 feet above msl. Highest water level 9.01 below lsd, July 14, 1951; lowest 12.89 below lsd, Sept. 18, 1948. Records available: 1948-52. The measuring point has been corrected from 5.62 feet to 2.0 feet above lsd. (Measurements have been incorrect for the years 1947, 1948, 1949, 1950, and 1951.)

Vi 3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	9.97	Apr. 5	9.54	July 5	10.93	Oct. 4	10.75
12	9.51	12	10.95	12	11.26	11	10.91
19	9.48	19	10.56	19	10.20	18	11.06
26	9.43	26	10.24	26	10.10	25	11.14
Feb. 2	9.47	May 3	10.45	Aug. 2	9.84	Nov. 1	11.17
9	9.49	10	10.67	9	9.07	8	11.18
16	9.48	17	10.45	16	9.51	15	11.22
23	9.50	24	11.10	23	9.83	22	11.12
Mar. 1	9.54	31	11.17	30	10.17	29	10.87
8	9.56	June 7	11.05	Sept. 6	10.50	Dec. 6	10.89
15	9.41	14	11.05	13	10.64	13	10.91
22	9.99	21	11.02	20	10.83	20	10.97
29	9.97	28	11.03	27	10.79	27	11.11

Vi 21. U. S. Geol. Survey. NE¼NE¼ sec. 10, T. 40 N., R. 10 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 28 feet, cased to 28, well point. Highest water level 12.56 below lsd, Dec. 3, 1951; lowest 16.86 below lsd, Mar. 21, 1949. Records available: 1944-52.

Jan. 2	12.83	Apr. 15	13.62	July 14	13.25	Oct. 6	13.21
14	12.89	21	13.38	21	13.20	14	13.23
21	13.00	28	13.51	28	12.94	20	13.33
29	13.06	May 6	12.63	Aug. 5	12.92	27	13.35
Feb. 4	13.07	12	12.70	11	12.87	Nov. 3	13.44
13	13.18	19	12.79	18	12.85	10	13.47
18	14.23	26	12.86	25	12.92	17	13.52
26	14.27	June 4	12.95	Sept. 3	12.92	24	13.60
Mar. 3	14.23	9	12.97	8	12.95	Dec. 1	13.63
11	14.40	16	12.99	16	13.01	8	13.66
18	14.43	23	13.10	25	13.12	16	13.75
26	14.54	30	13.16	26	13.14	30	13.87
31	14.53	July 8	13.22	Oct. 1	13.10		

Walworth County

Ww 1. Village of Genoa Junction. SE¼SE¼ sec. 35, T. 1 N., R. 18 E. Drilled domestic public-supply artesian well in sandstone, diameter 12 to 10 inches, reported depth 1,080 feet, cased to 690. Land-surface datum is 829 feet above msl. Highest water level 24.98 below lsd, May 12, 1948; lowest 28.15 below lsd, Nov. 14, 1950. Records available: 1946-52. Apr. 16, 25.18; June 19, 25.63; Oct. 16, 26.74; Dec. 11, 26.94.

Ww 4. United Milk Products. SE¼NE¼ sec. 33, T. 1 N., R. 15 E. Drilled unused artesian well in sandstone and limestone, diameter 6 inches, reported depth 626 feet, cased to 352. Land-surface datum is 997 feet above msl. Highest water level 42.22 below lsd, Apr. 16, 1952; lowest 58.79 below lsd, Dec. 5, 1949. Records available: 1946-52. Apr. 16, 42.22; June 19, 44.30; Aug. 20, 44.23; Oct. 16, 47.76; Dec. 11, 49.62.

Ww 9. Arthur and Roy Stewart. SW¼SW¼ sec. 33, T. 3 N., R. 15 E. Drilled stock well, diameter 6 inches, reported depth 287 feet, cased to 287. Highest water level 73.60 below lsd, Aug. 21, 1952; lowest 77.55 below lsd, Apr. 3, 1950. Records available: 1947-52. Apr. 16, 74.33; June 19, 74.10; Aug. 21, 73.60; Oct. 16, 73.75; Dec. 11, 73.80.

Ww 24. Walworth County Farm and Home. NW¼SE¼ sec. 4, T. 2 N., R. 17 E. Drilled well in sandstone of Cambrian age, diameter 18 to 12 inches, reported depth 1,702 feet, cased to 435. Highest water level 256.50 below lsd, July 3, 1952; lowest 262.69 below lsd, Dec. 11, 1952. Records available: 1952. July 3, 256.50; Aug. 20, 261.11; Oct. 17, 261.12; Dec. 11, 262.69.

Washburn County

Wb 1. Wisconsin Conservation Department. NE¼SW¼ sec. 31, T. 39 N., R. 12 W. Driven unused water-table well in sand, diameter 1¼ inches, depth 18 feet. Land-surface datum is 1,065 feet above msl. Highest water level 3.13 below lsd, July 9, 1951; lowest 5.91 below lsd, Feb. 21, 1949. Records available: 1948-52.

Wb 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	4.77	Apr. 7	3.87	July 7	4.06	Oct. 6	4.55
14	4.82	14	3.94	14	4.19	13	4.51
21	4.91	21	3.95	21	3.47	20	4.95
28	4.81	28	4.30	28	3.82	27	5.60
Feb. 4	4.85	May 5	4.30	Aug. 4	3.93	Nov. 3	5.75
11	4.84	12	4.29	11	4.22	10	6.05
18	4.96	19	4.55	18	4.44	17	6.08
25	5.00	26	4.55	25	4.26	24	5.30
Mar. 3	5.00	June 2	4.27	Sept. 1	4.35	Dec. 1	4.80
10	5.04	9	4.43	8	4.40	8	4.84
17	4.78	16	4.42	15	4.55	15	4.74
24	4.86	23	4.19	22	4.51	22	4.85
31	4.47	30	5.00	29	4.63	29	4.89

Washington County

Wn 2. City of Hartford. Rural St. Drilled unused artesian well in sandstone, diameter 16 inches, reported depth 600 feet. Land-surface datum is 980 feet above msl. Highest water level 29.41 below lsd, May 5, 1948; lowest 49.91 below lsd, Jan. 10, 1950. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	37.40	36.65	35.30	35.79	35.17	44.83	40.99	42.27	43.73	43.65	42.34
2	.....	38.16	37.29	35.38	35.96	35.00	45.12	41.01	41.96	43.26	43.69	42.07
3	40.77	38.30	37.59	34.80	35.95	35.15	45.13	40.77	41.78	44.03	43.00	44.17
4	40.99	.....	.....	34.20	35.90	35.10	44.80	40.96	42.42	43.89	45.55	44.20
5	40.94	.....	.....	34.93	35.27	35.06	45.35	40.95	42.05	43.29	45.50	43.38
6	41.34	.....	.....	35.19	35.96	35.48	45.85	40.62	42.34	43.02	44.14	42.13
7	.....	36.26	.....	35.19	35.95	35.86	45.85	41.08	42.35	44.13	45.48	44.11
8	.....	36.24	.....	35.20	35.93	35.88	45.06	41.18	42.10	43.53	44.30	43.55
9	.....	37.09	.....	35.20	35.94	35.84	44.77	40.59	42.67	43.90	44.27	43.92
10	41.75	39.12	.....	35.10	35.58	36.22	44.82	40.50	43.38	43.03	43.36	43.02
11	41.50	39.22	.....	34.61	34.34	36.23	44.86	41.27	42.43	44.22	46.27	42.12
12	42.12	.....	.....	34.57	33.40	36.41	44.21	41.29	42.55	43.90	46.27	44.04
13	42.33	.....	.....	34.58	33.62	37.72	44.07	40.65	43.00	43.87	47.54	44.06
14	.....	36.58	.....	33.80	33.67	38.15	44.22	40.77	42.96	42.97	47.55	43.90
15	.....	38.57	.....	34.23	33.50	38.34	44.70	41.66	43.00	43.96	46.70	43.96
16	41.16	38.65	.....	34.47	33.65	38.31	44.76	41.72	43.13	43.20	46.25	44.30
17	40.91	38.82	.....	34.48	33.73	.....	44.39	40.29	43.78	43.87	45.96	44.32
18	39.85	38.90	.....	34.39	33.82	.....	43.59	40.38	44.29	42.96	45.92	42.97
19	41.06	.....	.....	34.32	35.12	.....	42.82	41.89	44.10	43.97	44.97	44.22
20	41.62	.....	36.65	34.61	35.12	.....	42.60	41.90	43.07	43.53	44.65	44.02
21	41.01	37.26	36.70	34.62	34.74	.....	42.60	42.12	43.03	44.09	44.67	43.95
22	.....	36.84	36.40	35.02	34.62	.....	42.31	42.45	43.31	43.27	44.65	42.37
23	.....	37.31	36.46	35.26	34.60	.....	42.22	42.42	43.59	43.80	45.01	42.11
24	39.74	37.81	35.37	35.27	34.75	44.00	42.07	41.58	43.26	43.30	45.13	42.72
25	39.78	37.98	36.17	34.22	34.76	43.87	41.75	40.97	43.60	44.62	42.88	42.16
26	.....	.....	36.20	35.11	34.80	43.99	41.70	42.52	43.54	44.63	44.11	42.71
27	.....	.....	36.19	35.13	34.86	44.12	41.86	42.12	44.07	44.24	43.40	41.91
28	.....	35.97	36.12	34.98	34.89	44.11	41.20	42.48	44.10	44.13	43.80	42.70
29	.....	35.62	36.34	35.83	34.54	44.39	40.83	42.72	44.00	44.00	43.57	42.76
30	.....		36.33	35.83	34.77	44.55	40.28	42.26	43.80	42.95	43.16	41.44
31	37.75		34.66		35.05		40.62	42.17		44.01		42.69

Wn 3. City of West Bend. City Hall. Drilled unused artesian well in sandstone and limestone, diameter 8 inches, reported depth 1,200 feet, cased to 75. Land-surface datum is 920 feet above msl. Highest water level 12.32 below lsd, Dec. 12, 1951; lowest 19.88 below lsd, Aug. 14, 1947. Records available: 1946-52. Apr. 15, 12.36; June 17, 15.76; Sept. 1, 13.90; Oct. 14, 12.80; Dec. 10, 13.72.

Waukesha County

Wk 2. Sisters of Notre Dame. NE¼SW¼ sec. 24, T. 7 N., R. 20 E. Drilled unused artesian well in sandstone, diameter 16 to 10 inches, reported depth 1,182 feet, cased to 203. Land-surface datum is 762.92 feet above msl. Highest water level 64.88 below lsd, May 4, 1951; lowest 85.34 below lsd, Sept. 3, 1948. Records available: 1946-52. Jan. 16, 66.90; Apr. 28, 65.14; July 7, 68.13; Sept. 29, 69.72; Nov. 24, 67.98.

Wk 14. Veterans Administration Hospital. Waukesha. Drilled unused artesian well in sandstone, diameter 8 inches, reported depth 1,300 feet. Land-surface datum is 875.03 feet above msl. Highest water level 249.86 below lsd, July 6, 1947; lowest 311.76 below lsd, Sept. 12, 1952. Records available: 1946-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	302.02	.....	307.70	305.61	.....	303.50	307.51	309.28	308.90	310.27	310.99	308.64
2	303.83	.....	305.00	305.58	.....	303.62	309.07	309.52	307.42	311.42	308.73	309.01
3	304.02	.....	305.81	306.61	.....	304.24	308.40	306.13	308.41	310.95	308.40	309.06
4	303.70	305.40	306.48	306.31	307.95	304.25	.....	306.19	309.76	310.95	309.54	309.86
5	.....	305.77	307.78	306.72	306.44	305.29	307.06	307.61	310.10	310.10	309.84	309.70
6	.....	307.13	307.53	302.80	307.31	305.39	307.04	308.43	310.10	308.99	309.95	309.71
7	.....	307.00	308.05	304.41	307.21	305.48	308.02	308.77	309.70	309.86	311.02	309.01
8	.....	307.70	306.67	302.60	306.81	305.30	308.48	309.06	308.78	311.00	310.12	308.60
9	305.21	306.78	306.84	304.60	307.03	304.73	308.72	306.94	309.23	311.21	309.82	308.60
10	305.30	306.80	303.07	305.44	306.08	305.32	309.97	306.83	311.12	311.21	309.59	310.22
11	306.49	305.55	305.08	306.50	305.52	305.34	310.39	306.03	311.72	311.36	309.66	310.32
12	306.10	306.78	305.27	304.20	305.97	306.88	309.35	307.04	311.76	308.36	309.74	310.35
13	305.91	307.08	305.88	303.63	306.36	306.63	309.36	308.21	312.52	309.00	310.96	310.66
14	304.88	307.91	305.99	301.73	306.36	306.63	308.33	308.37	311.73	310.36	310.96	307.63
15	305.40	307.50	306.51	302.95	306.43	305.96	308.25	309.92	310.80	310.41	311.00	307.68
16	305.89	307.73	304.24	304.42	306.07	304.43	309.83	309.52	310.75	310.50	310.38	309.13
17	304.94	304.06	305.30	304.12	305.90	306.56	310.82	309.48	.....	311.30	309.46	309.83
18	305.03	306.22	302.80	305.07	305.21	307.03	310.58	308.50	.....	310.13	310.13	310.00
19	300.94	306.10	304.73	305.51	303.80	307.44	310.57	308.72	.....	310.02	311.14	310.90
20	301.27	307.11	305.09	303.08	303.82	308.17	310.58	309.28	.....	309.91	311.08	309.86
21	300.70	.....	306.43	304.87	304.98	306.91	308.17	310.77	.....	309.88	311.22	309.86
22	303.01	.....	305.34	305.99	305.33	305.90	308.54	310.82	309.57	309.94	311.42	309.02
23	305.37	.....	305.72	307.35	305.25	306.19	308.92	310.96	310.07	310.83	309.13	309.12
24	305.45	.....	304.72	307.35	305.42	306.57	309.37	309.80	311.38	310.48	308.99	309.21
25	305.85	.....	305.81	308.06	302.72	308.35	310.40	307.95	311.12	310.48	309.87	309.70
26	305.92	.....	305.91	308.10	302.88	309.32	308.60	309.93	311.27	309.59	309.91	308.16
27	306.24	306.94	306.72	307.80	304.47	310.06	308.75	310.06	311.42	308.83	309.93	307.33
28	305.38	307.64	306.31	306.14	304.40	309.37	308.23	310.47	307.91	309.25	309.65	307.86
29	306.58	307.09	307.12	307.63	304.43	309.43	308.62	311.68	309.93	310.40	309.26	307.52
30	306.57		304.78	.....	305.26	308.22	308.54	310.29	309.70	310.04	309.28	307.23
31	307.32		304.31		303.85		309.56	310.06		310.36		308.82

Wk 18. Waukesha County Hospital. SE¼SE¼ sec. 28, T. 7 N., R. 19 E. Drilled public-supply well, diameter 10 inches, reported depth 1,325 feet. Highest water level 258.73 below lsd, June 10, 1947; lowest 336.04 below lsd, Nov. 17, 1952. Records available: 1946-47, 1950, 1952.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 18, 1946	299.48	June 10, 1947	258.73	Mar. 12, 1952	331.19	Sept. 1, 1952	335.58
Mar. 25, 1947	299.64	May 10, 1950	326.55	June 30	334.42	Nov. 17	336.04
Apr. 16	298.54						

Wk 20. G. W. Aeppler. SE¼NE¼ sec. 6, T. 7 N., R. 17 E. Drilled irrigation artesian well in sandstone and limestone, diameter 10 inches, reported depth 773 feet, cased to 187. Land-surface datum is 866 feet above msl. Highest water level 25.70 below lsd, July 3, 1947; lowest 32.36 below lsd, Aug. 25, 1948. Records available: 1946-52. Apr. 15, 26.80; June 17, 29.61; Aug. 19, 29.64; Oct. 14, 28.23; Dec. 10, 30.43.

Wk 22. Mrs. Bartholomew. 112 Maple Ave., Big Bend. Drilled domestic artesian well in limestone, diameter 6 inches, reported depth 109 feet. Land-surface datum is 813 feet above msl. Highest water level 23.90 below lsd, May 12, 1948; lowest 29.93 below lsd, June 6, 1949. Records available: 1946-52. Jan. 2, 26.52; Feb. 6, 25.87; Mar. 19, 25.19; Apr. 28, 25.56; June 23, 25.60; Sept. 22, 25.96; Nov. 24, 26.37.

Wk 29. Riviera Tavern. SW¼NW¼ sec. 14, T. 7 N., R. 18 E. Drilled domestic artesian well in sandstone and limestone, diameter 6 to 4 inches, reported depth 475 feet, cased to 192. Land-surface datum is 883 feet above msl. Highest water level 51.53 below lsd, Sept. 11, 1946; lowest 78.50 below lsd, June 3, 1952. Records available: 1946-52. Feb. 13, 68.44; Mar. 27, 77.51; June 3, 78.50; Aug. 26, 67.73; Oct. 27, 68.00; Dec. 30, 68.66.

Wk 31. Wm. M. Foss. Formerly Fulton Farms. NE¼NW¼ sec. 2, T. 5 N., R. 19 E. Drilled unused artesian well in limestone, diameter 6 inches, reported depth 600 feet. Land-surface datum is 963 feet above msl. Highest water level 129.02 below lsd, Aug. 4, 1952; lowest 134.79 below lsd, Mar. 2, 1950. Records available: 1947-52.

Wk 31--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	131.22	130.76	130.72	129.67	129.41	129.63	129.85	129.31	129.30	129.71	130.12	130.47
2	131.23	130.76	130.71	129.68	129.53	129.58	129.85	129.27	129.33	129.83	130.20	130.44
3	131.22	130.73	130.64	129.73	129.51	129.56	129.25	129.27	129.43	129.83	130.22	130.44
4	131.19	130.66	130.71	129.73	.....	129.62	129.93	129.15	129.45	129.80	130.22	130.41
5	131.12	130.74	130.82	129.70	.....	129.61	129.97	129.23	129.44	129.84	130.12	130.32
6	131.17	130.76	130.84	129.83	.....	129.59	129.97	129.23	129.49	129.88	130.21	130.35
7	131.17	130.76	130.84	129.85	.....	129.65	129.93	129.22	129.50	129.89	130.23	130.34
8	131.08	130.72	130.81	129.79	.....	129.59	129.92	129.18	129.50	129.87	130.22	130.35
9	131.12	130.72	130.65	129.72	.....	129.77	129.90	129.12	129.49	129.88	130.23	130.37
10	131.25	130.71	130.59	129.74	.....	129.75	129.95	129.13	129.53	129.91	130.27	130.41
11	131.25	130.73	130.58	129.78	.....	129.78	129.94	129.17	129.53	129.89	130.23	130.41
12	131.21	130.73	130.58	129.68	.....	129.65	130.00	129.20	129.52	129.86	130.33	130.49
13	131.15	130.73	130.48	129.48	.....	129.66	129.99	129.24	129.57	129.87	130.27	130.48
14	131.12	130.75	130.52	129.57	.....	129.65	129.98	129.18	129.52	129.93	130.25	130.48
15	131.17	130.74	130.48	129.59	.....	129.70	129.90	129.20	129.53	129.91	130.31	130.50
16	131.19	130.69	130.43	129.62	.....	129.64	129.94	129.19	129.53	129.94	130.31	130.52
17	131.03	130.68	130.40	129.56	.....	129.71	129.96	129.24	129.51	130.00	130.25	130.58
18	131.09	130.71	130.31	129.53	.....	129.73	129.89	129.32	129.54	130.00	130.17	130.64
19	131.04	130.71	130.20	129.48	129.52	129.85	129.72	129.28	129.63	130.05	130.20	130.65
20	131.04	130.57	130.19	129.46	129.53	129.81	129.63	129.23	129.67	130.12	130.25	130.56
21	131.03	130.71	130.20	129.46	129.54	129.76	129.66	129.28	129.67	130.11	130.28	130.49
22	130.77	130.74	130.14	129.41	129.58	129.78	129.63	129.33	129.67	130.07	130.29	130.49
23	130.94	130.74	129.95	129.48	129.51	129.77	129.54	129.32	129.70	130.01	130.33	130.44
24	130.94	130.74	129.97	129.54	129.47	129.80	129.53	129.30	129.71	130.01	130.35	130.51
25	130.88	130.74	129.97	129.48	129.45	129.74	129.48	129.31	129.68	130.05	130.30	130.51
26	130.84	130.70	129.95	129.42	129.63	129.94	129.40	129.31	129.70	130.00	130.22	130.51
27	130.84	130.64	129.94	129.38	129.54	129.90	129.41	129.32	129.71	130.03	130.36	130.57
28	130.83	130.59	129.90	129.40	129.52	129.89	129.32	129.31	129.68	130.12	130.45	130.57
29	130.82	130.62	129.91	129.42	129.53	129.87	129.31	129.33	129.78	130.12	130.45	130.48
30	130.82		129.84	129.41	129.50	129.83	129.28	129.32	129.75	130.09	130.48	130.51
31	130.78		129.73		129.53		129.34	129.28		130.10		130.55

Wk 32. Western United Dairy Co. SE¼SE¼ sec. 23, T. 5 N., R. 18 E. Drilled unused artesian well in limestone, diameter 6 inches, depth 189 feet, cased to 100. Highest water level 43.98 below lsd, Aug. 19, 1952; lowest 47.84 below lsd, Feb. 6, 1950. Records available: 1947-52. Apr. 16, 44.40; June 19, 44.57; Aug. 19, 43.98; Oct. 17, 44.78; Dec. 12, 45.20.

Wk 34. A. N. McGeoch Co. NW¼SW¼ sec. 19, T. 5 N., R. 18 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 618 feet, cased to 255. Land-surface datum is 895 feet above msl. Highest water level 32.48 below lsd, Apr. 16, 1952; lowest 38.93 below lsd, Dec. 5, 1949. Records available: 1947-52. Apr. 16, 32.48; June 19, 33.99; Aug. 19, 33.58; Oct. 17, 34.75; Dec. 11, 34.78.

Wk 50. Mr. Walsh. SW¼NE¼ sec. 19, T. 8 N., R. 20 E. Drilled used water-table well in Niagara dolomite, diameter 6 inches, reported depth 86 feet. Highest water level 8.85 below lsd, Apr. 7, 1952; lowest 12.11 below lsd, Sept. 23, 1952. Records available: 1952. Feb. 20, 9.03; Apr. 7, 8.85; June 30, 10.10; Sept. 23, 12.11; Dec. 10, 10.93.

Wk 86. Gray. NE¼NE¼ sec. 27, T. 7 N., R. 19 E. Drilled domestic artesian well in limestone, diameter 6 inches, reported depth 120 feet. Land-surface datum is 893 feet above msl. Highest water level 30.95 below lsd, Feb. 6, 1952; lowest 34.64 below lsd, Sept. 28, 1950. Records available: 1950-52. Jan. 9, 31.77; Feb. 6, 30.95; Apr. 28, 30.95; July 28, 30.95; Sept. 22, 32.65; Nov. 24, 33.34.

Waupaca County

Wp 2. Village of Fremont. NW¼SE¼ sec. 26, T. 21 N., R. 13 E. Drilled unused artesian well in sandstone, diameter 8 inches, reported depth 205 feet, cased to 109. Highest water level 10.81 below lsd, Apr. 23, 1951; lowest 15.23 below lsd, Mar. 6, 1952. Records available: 1950-52. Jan. 10, 13.69; Mar. 6, 15.23.

Waushara County

Ws 1. University of Wisconsin Experiment Farm. NE¼NW¼ sec. 15, T. 19 N., R. 8 E. Hancock. Driven unused water-table well, diameter 1¼ inches, depth 18 feet, well point. Highest water level 5.23 below lsd, June 14, 1947; lowest 11.51 below lsd, Feb. 27, 1951. Records available: 1947-51. No measurement made in 1952.

Ws 3. Follett. SW¼SE¼ sec. 5, T. 18 N., R. 8 E. Driven unused water-table well, diameter 2 inches, reported depth 70 feet. Highest water level 53.68 below lsd, May 20, 1952; lowest 56.96 below lsd, Mar. 11, 1952. Records available: 1949-52. Jan. 8, 54.66; Mar. 11, 56.96; May 20, 53.68; July 23, 53.79; Sept. 9, 53.87; Oct. 27, 53.86; Dec. 29, 54.17.

Ws 4. Village of Hancock. SE¼NE¼ sec. 10, T. 19 N., R. 8 E. Dug unused water-table well, diameter 6 feet, reported depth 25 feet. Highest water level 7.66 below lsd, May 20, 1952; lowest 11.21 below lsd, Mar. 5, 1951. Records available: 1950-52. Jan. 8, 8.92; Mar. 11, 9.31; May 20, 7.66. Measurement discontinued.

Ws 7. U. S. Geol. Survey. SE¼SE¼ sec. 10, T. 20 N., R. 8 E. Driven unused water-table well, diameter 1¼ inches, depth 17 feet. Highest water level 9.71 below lsd, Apr. 28, 1952; lowest 14.61 below lsd, Mar. 5, 1951. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	11.35	Apr. 7	10.60	July 14	10.56	Oct. 6	12.05
15	11.46	14	10.22	21	10.65	13	12.15
20	11.51	21	9.81	28	10.82	20	12.31
28	11.60	28	9.71	Aug. 4	10.91	27	12.39
Feb. 3	11.66	May 12	9.86	11	11.10	Nov. 3	12.56
11	11.77	20	9.99	18	11.20	17	12.55
18	11.85	26	10.12	25	11.31	24	12.82
25	11.95	June 2	10.12	Sept. 2	11.42	Dec. 1	12.98
Mar. 3	12.05	9	10.15	8	11.53	8	13.10
10	12.11	16	10.16	16	11.65	15	13.17
17	12.20	22	10.29	22	11.78	22	13.28
24	12.04	30	10.38	29	11.95	30	13.39
31	11.77	July 7	10.48				

Ws 8. University of Wisconsin Experiment Farm. NE¼NW¼ sec. 15, T. 19 N., R. 8 E. Hancock. Jetted unused well in sand and gravel, diameter 4 inches, depth 18 feet. Highest water level 7.14 below lsd, May 11, 1952; lowest 9.68 below lsd, Dec. 31, 1952. Records available: 1951-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.61	8.80	9.09	8.19	7.80	7.37	7.50	8.11	8.03	....	8.84	9.30
2	8.61	8.80	9.10	7.76	7.80	7.36	7.50	7.77	8.69	....	8.87	9.30
3	8.61	8.80	9.10	7.67	7.22	7.37	7.51	7.77	8.10	....	8.89	9.31
4	8.61	8.81	9.12	7.67	7.20	7.37	7.52	7.77	8.10	....	8.88	9.32
5	8.62	8.85	9.13	7.65	7.21	7.34	7.53	7.80	8.11	....	8.90	9.33
6	8.62	8.85	9.15	7.64	7.20	7.36	7.53	7.80	8.12	....	8.93	9.34
7	8.64	8.86	9.15	7.63	7.20	7.37	8.20	8.51	8.13	....	8.97	9.36
8	8.64	8.86	9.15	7.60	7.17	7.36	8.30	8.43	8.64	8.55	8.98	9.36
9	8.67	8.88	9.14	7.57	7.17	8.05	8.40	7.82	8.18	8.57	8.99	9.38
10	8.68	8.88	9.15	7.56	7.16	7.42	8.30	7.82	8.90	8.57	9.00	9.40
11	8.67	8.90	9.17	7.56	7.16	7.43	7.66	7.83	8.96	8.58	9.02	9.40
12	8.67	8.91	9.16	7.53	7.19	7.40	7.60	8.62	8.47	8.60	9.04	9.44
13	8.67	8.91	9.18	7.50	7.20	7.42	7.59	8.74	8.24	8.61	9.05	9.44
14	8.67	8.92	9.19	7.54	7.19	7.41	7.81	8.57	8.24	8.63	9.02	9.45
15	8.68	8.92	9.20	7.54	7.21	7.42	7.61	7.96	8.25	8.64	9.04	9.46
16	8.69	8.92	9.20	7.53	7.23	7.46	8.22	7.92	8.25	8.65	9.06	9.48
17	8.69	8.94	9.24	7.50	7.25	7.49	7.62	7.94	8.25	8.67	9.07	9.50
18	8.70	8.96	9.23	7.46	7.26	7.50	7.60	8.60	8.27	8.67	9.09	9.52
19	8.69	8.95	9.25	7.41	7.26	8.21	7.60	8.03	8.30	8.70	9.10	9.53
20	8.71	8.96	9.24	7.39	7.24	7.58	7.60	7.95	8.31	8.70	9.12	9.57
21	8.71	8.98	9.23	7.37	7.26	7.52	7.61	7.98	8.32	8.70	9.14	....
22	8.71	8.99	9.17	7.32	7.28	7.52	7.59	7.99	8.33	8.71	9.15	....
23	8.73	9.00	9.08	7.32	7.28	7.52	7.67	7.99	8.34	8.72	9.18	9.60
24	8.75	9.01	9.10	7.30	7.26	7.49	8.25	8.00	8.35	8.74	9.20	9.60
25	8.74	9.03	9.11	7.28	7.30	7.50	8.40	8.09	8.36	8.76	9.20	9.65
26	8.76	9.05	9.13	7.25	7.31	7.51	7.80	8.04	8.38	8.77	9.21	....
27	8.78	9.05	9.14	7.22	7.31	7.52	7.70	8.00	8.39	8.78	9.24	....
28	8.80	9.06	9.15	7.21	7.33	7.51	8.57	8.00	8.40	8.80	9.26	....
29	8.80	9.07	9.16	7.70	7.33	7.50	8.50	8.01	8.42	8.81	9.28	....
30	8.80		9.12	7.90	7.32	7.51	8.53	8.01	....	8.80	9.29	9.67
31	8.80		8.87		7.35		8.58	8.02		8.83		9.68

Ws 9. University of Wisconsin Experiment Farm. NE¼NW¼ sec. 15, T. 19 N., R. 8 E. Hancock. Jetted well in sand and gravel, diameter 4 inches, depth 18 feet. Highest water level 15.03 below lsd, May 14, 1952; lowest 17.16 below lsd, Dec. 20, 1952. Records available: 1951-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	16.57	15.16	15.16	15.32	15.46	15.74	16.13	16.51	.....
2	.....	.....	.....	16.24	15.13	15.16	15.32	15.46	15.77	16.15	16.53	.....
3	.....	.....	.....	15.95	15.13	15.17	15.31	15.46	15.79	16.15	16.55	.....
4	.....	.....	.....	15.80	15.12	15.18	15.32	15.47	15.80	16.16	16.55	.....
5	.....	.....	.....	15.71	15.09	15.17	15.32	15.52	15.81	16.19	16.56	16.97
6	.....	.....	.....	15.67	15.09	15.17	15.32	15.52	15.83	16.21	16.58	16.98
7	.....	.....	.....	15.64	15.09	15.18	15.33	15.52	15.84	16.22	16.61	16.99
8	.....	.....	.....	15.61	15.07	15.17	15.33	15.52	15.85	16.22	16.61	16.99
9	.....	.....	.....	15.58	15.06	15.18	15.33	15.52	15.87	16.24	16.63	17.01
10	.....	.....	.....	15.56	15.05	15.22	15.33	15.52	15.88	16.24	16.65	17.01
11	16.39	.....	16.87	15.56	15.05	15.22	15.34	15.55	15.88	16.24	16.66	17.02
12	16.40	.....	16.87	15.53	15.05	15.20	15.35	15.55	15.90	16.26	16.67	17.04
13	16.40	.....	16.88	15.49	15.06	15.23	15.35	15.55	15.90	16.28	16.68	17.09
14	16.40	.....	16.89	15.47	15.04	15.22	15.36	15.55	15.92	16.29	16.69	17.09
15	16.42	.....	16.89	15.46	15.07	15.23	15.36	15.55	15.92	.....	16.71	17.09
16	16.42	.....	16.90	15.46	15.08	15.22	15.36	15.57	15.93	16.34	16.73	17.10
17	16.43	.....	16.90	15.46	15.09	15.24	15.36	15.59	15.94	16.34	16.73	17.11
18	16.43	.....	16.90	15.44	15.10	15.24	15.36	15.62	15.96	16.34	16.75	17.14
19	.....	.....	.....	15.42	15.09	15.26	15.36	15.62	15.97	16.37	16.77	17.14
20	.....	.....	16.94	15.40	15.07	15.26	15.36	15.63	15.99	16.38	16.79	17.16
21	.....	.....	16.95	15.38	15.08	15.26	15.41	15.65	16.01	16.38	16.81	.....
22	.....	.....	16.95	15.34	15.09	15.26	15.40	15.66	16.03	16.38	16.81	.....
23	.....	.....	16.85	15.33	15.09	15.26	15.42	15.67	16.04	16.39	16.83	.....
24	.....	.....	16.84	15.31	15.08	15.26	15.42	15.67	16.05	16.43	16.85	.....
25	.....	.....	16.84	15.28	15.11	15.26	15.41	15.68	16.06	16.43	16.85	.....
26	.....	.....	16.83	15.25	15.11	15.29	15.41	15.69	16.07	16.43	16.86	.....
27	.....	.....	16.83	15.22	15.12	15.30	15.42	15.70	16.07	16.45	16.88	.....
28	.....	.....	16.84	15.21	15.14	15.31	15.43	15.71	16.09	16.47	.....	.....
29	.....	.....	16.85	15.18	15.15	15.30	15.45	15.72	16.11	16.48	.....	.....
30	.....		16.85	15.17	15.13	15.32	15.45	15.72	.....	16.48	.....	.....
31	.....		16.79		15.15		15.46	15.72		16.50		.....

Winnebago County

Wi 1. Oak Hill Cemetery. NE¼SE¼ sec. 20, T. 20 N., R. 17 E. Drilled irrigation artesian well in sandstone and limestone, reported depth 340 feet. Land-surface datum is 776 feet above msl. Highest water level 38.05 below lsd, Apr. 16, 1947; lowest 64.67 below lsd, Oct. 13, 1948. Records available: 1946-52. Feb. 8, 60.95; Apr. 11, 52.36; June 13, 50.60; Aug. 14, 50.12; Oct. 10, 50.25; Dec. 5, 50.43.

Wi 6. City of Oshkosh. Board of Education. Wisconsin Ave. and Algoma Blvd. Drilled unused artesian well in sandstone and limestone, diameter 8 inches, reported depth 200 feet. Highest water level 27.25 below lsd, Apr. 13, 1951; lowest 32.86 below lsd, Oct. 10, 1952. Records available: 1950-52. Apr. 16, 27.89; June 13, 28.89; Sept. 10, 32.70; Oct. 10, 32.86; Dec. 5, 32.69.

Wi 9. Kimberly-Clark Paper Co. NE¼NW¼ sec. 21, T. 20 N., R. 17 E. Drilled domestic artesian well in sandstone from 240-265, diameter 16 inches, reported depth 675 feet, cased to 86. Highest water level 46.80 below lsd, Oct. 10, 1952; lowest 47.73 below lsd, Dec. 5, 1952. Records available: 1952. Oct. 10, 46.80; Dec. 5, 47.73.

Wood County

Wd 1. City of Wisconsin Rapids. SE¼NW¼ sec. 16, T. 22 N., R. 6 E. Drilled public-supply well, diameter 10 inches, depth 25 feet, cased to 15. Land-surface datum is 1,001.80 feet above msl. Highest water level 2.10 below lsd, July 8, 1951; lowest 6.71 below lsd, Mar. 2, 1950. Records available: 1950, 1952.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	2.46	3.96	4.38	4.57	5.21	4.97	5.60	6.00	6.25
2	....	....	....	2.78	4.02	4.35	4.58	5.25	5.01	5.64	6.03	6.22
3	....	....	....	2.98	4.04	4.43	4.65	5.25	5.06	5.64	6.06	6.22
4	....	....	....	3.10	4.04	4.44	4.68	5.17	5.09	5.64	5.93	6.20
5	....	....	....	3.23	4.09	4.41	4.70	5.11	5.12	5.68	5.97	6.20

Wd 1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	....	....	....	3.33	4.19	4.49	4.71	5.07	5.19	5.71	6.07	6.21
7	....	....	....	3.39	4.21	4.49	4.74	5.02	5.20	5.72	6.05	6.21
8	4.28	....	....	3.43	4.19	4.53	4.73	4.98	5.20	5.73	6.05	6.21
9	4.39	....	....	3.52	4.20	4.54	4.72	4.96	5.23	5.75	6.10	6.25
10	4.46	....	....	3.58	4.21	4.64	4.74	4.95	5.26	5.75	6.10	6.25
11	4.45	....	....	3.52	4.21	4.65	4.81	4.95	5.28	5.72	6.09	6.25
12	4.43	....	....	3.55	4.24	4.55	4.82	4.96	5.28	5.73	6.10	6.28
13	4.43	....	....	3.62	4.26	4.72	4.85	4.98	5.31	5.78	6.07	6.28
14	4.38	....	....	3.67	4.21	4.51	4.86	5.00	5.33	5.80	6.08	6.28
15	....	....	....	3.23	4.25	4.51	4.89	5.03	5.33	5.80	6.13	....
16	....	....	....	3.31	4.26	4.50	4.90	5.12	5.34	5.83	6.13	....
17	....	....	....	3.38	4.29	4.57	4.96	5.18	5.34	5.86	6.12	....
18	....	....	....	3.40	4.32	4.63	4.96	5.21	5.38	5.85	6.10	6.21
19	....	....	....	3.46	4.30	4.65	4.97	5.22	5.44	5.91	6.14	6.21
20	....	....	....	3.54	4.30	4.66	4.97	5.21	5.45	5.92	6.16	6.16
21	....	....	....	3.57	4.36	4.65	4.97	4.85	5.46	5.89	6.19	6.18
22	....	....	....	3.67	4.39	4.65	4.97	4.83	5.47	5.89	6.19	6.18
23	....	....	....	3.70	4.39	4.65	5.04	4.78	5.50	5.92	6.21	6.18
24	....	....	....	3.70	4.36	4.60	5.04	4.75	5.50	5.95	6.21	6.23
25	....	....	....	3.74	4.39	4.63	5.02	4.77	5.50	5.96	6.15	6.23
26	....	....	....	3.75	4.40	4.54	5.04	4.77	5.55	5.92	6.22	6.23
27	....	....	....	3.81	4.40	4.53	5.04	4.79	5.52	5.96	6.25	6.26
28	....	....	....	3.86	4.44	4.49	5.12	4.83	5.58	5.99	6.25	6.23
29	....	....	....	3.92	4.44	4.52	5.13	4.88	5.60	5.99	6.26	6.18
30	....		....	3.93	4.43	4.54	5.20	4.88	5.60	5.91	6.28	6.24
31	....		....		4.38		5.21	4.91		5.98		6.24

Wd 29. Elmer Aschenbrenner. NE¼NE¼ sec. 2, T. 23 N., R. 4 E. Drilled unused water-table well in sand, diameter 8 to 6 inches, depth 18 feet. Highest water level 2.86 below lsd, Apr. 23, 1951; lowest 13.45 below lsd, Mar. 6, 1950. Records available: 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	5.83	Apr. 15	4.69	July 14	6.28	Oct. 6	6.70
14	5.77	22	4.75	21	6.19	14	6.88
23	5.88	28	5.27	28	6.05	20	6.99
28	5.92	May 5	5.39	Aug. 4	5.83	27	7.05
Feb. 4	6.00	12	5.79	11	5.80	Nov. 2	7.20
11	6.44	18	5.83	18	5.75	10	7.29
19	6.47	26	5.80	25	5.72	17	8.79
25	6.52	June 2	6.02	Sept. 1	5.99	24	8.08
Mar. 3	6.51	9	6.15	8	6.06	Dec. 2	8.34
10	6.41	16	6.25	15	6.27	8	8.50
17	6.42	23	6.21	22	6.43	16	8.74
24	6.08	30	6.20	30	6.45	23	8.85
31	5.58	July 7	6.25	Oct. 6	6.09	29	9.00
Apr. 7	5.12						

U. S. GOVERNMENT PRINTING OFFICE : 1954 O - 319837