UNITED STATES DEPARTMENT OF THE INTERIOR

WATER LEVELS AND ARTESIAN PRESSURE IN OBSERVATION WELLS IN THE UNITED STATES IN 1944

PART 3. NORTH-CENTRAL STATES

Prepared in cooperation with the States of
ILLINOIS, IOWA, KANSAS, MINNESOTA, MISSOURI, NEBRASKA
NORTH DAKOTA, SOUTH DAKOTA, and WISCONSIN
and other agencies

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1018

UNITED STATES DEPARTMENT OF THE INTERIOR
J. A. Krug, Secretary
GEOLOGICAL SURVEY
W. E. Wrather, Director

Water-Supply Paper 1018

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BY
A. N. SAYRE
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WATER LEVELS AND ARTESIAN PRESSURE IN OBSERVATION WELLS IN THE UNITED STATES IN 1944

Part 3. NORTH-CENTRAL STATES

INTRODUCTION

By A. N. Sayre and others

Significance of records of water level and artesian pressure

The rock formations of the earth are great natural underground reservoirs in which a part of the water derived from rain and snow is stored to supply wells and springs and to maintain the flow of streams during periods of fair weather. Water levels in wells register the stages of these natural reservoirs; they show the extent to which water supplies are depleted by drought or by heavy pumping, whether for public waterworks, irrigation, or industrial uses, and the extent to which they are replenished in seasons of abundant rainfall or melting snow. The changes in pressure recorded on flowing wells indicate depletion or replenishment of the artesian reservoirs.

Annual publication of records by Geological Survey

The regular publication of records of water level and artesian pressure in the United States was begun by the Geological Survey in 1935 and has continued yearly since. The records for the entire country were published in a single volume each year through 1939. Beginning with 1940 the 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. (See fig. 1.) The following table gives the numbers of these reports. This series of water-supply papers is in a sense an inventory, year by year, of the ground-water supplies of such parts of the country as have been covered.

Water-supply papers on water levels and artesian pressure in observation wells in the United States

Year	North-eastern States	South-eastern States	North-central States	South-central States	North-western States	South-western States and Hawaii
1935	777	777	777	777	777	777
1936	817	817	817	817	817	817
1937	840	840	840	840	840	840
1938	845	845	845	845	845	845
1939	886	886	886	886	886	886
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

Scope of present volume

The present volume covers the north-central States and gives records of water level and artesian pressure in about 1,360 observation wells of the Geological Survey and cooperating agencies in Illinois, Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota, and Wisconsin. Of these wells, 31 are equipped with automatic water-stage recorders. For some wells not previously reported complete records of water level are given in this volume, including those of the years before 1944. For wells whose previous records have been published this volume gives only the current records. If a complete description of a well has been published in a previous report, only the well number or the well number and a brief identifying description are given in this report. The numbers in parentheses immediately following a well number are those of the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in the paper whose number is so marked. This report includes about 14,210 individual determinations of water level and artesian pressure.

Land-surface datum

Before 1943, in Geological Survey reports, the water levels and artesian pressures for some wells were given in feet above or below the measuring points and for other wells in feet above or below sea level or above or below various assumed datum planes. It had been considered inadvisable to adopt a standard procedure in expressing water levels and artesian heads until after a period of trial with datum planes of different kinds. In 1943, however, it was decided that uniform practice should be adopted.

Accordingly precise datum planes were established approximating the land land surface at each well. The water levels and artesian heads for all wells listed in this report are given in reference to land-surface datum planes. If the water levels or artesian heads are referred to land-surface

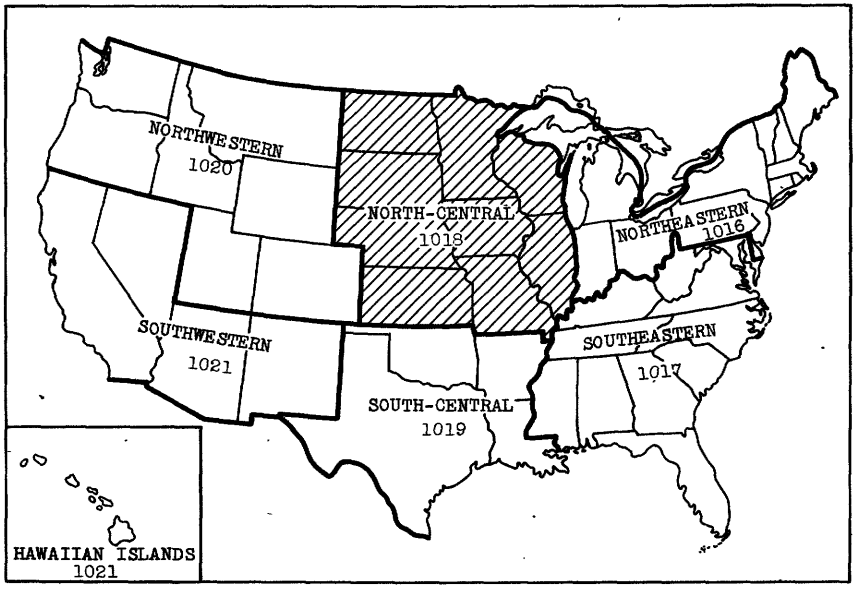

Figure 1.--Outline map of the United States showing sections of the country covered by the six water-supply papers on water levels and artesian pressure in observation wells in 1944. The shaded section represents the part of the country covered by this volume.

datum for the first time, a conversion factor is given in the descriptive matter preceding them in order to facilitate comparison of the older and newer records. Wherever the conversion factor is given in earlier reports it is not repeated in this report. New data as to the positions of the measuring point and of the bench marks, in feet above or below land-surface datum plane, will be published in succeeding annual reports.

Network of key observation wells

During 1942 the Geological Survey established a network of key observation wells in order to make available current information on general ground-water conditions over the country. These wells were selected

because the fluctuations of water level in them are believed to be typical, and they represent the general fluctuations that occur in the parts of the country in which the wells are situated. At the end of 1944 the network included about 160 wells in 45 States. About 40 of the wells were established expressly for the network in 1942 and about 20 were established in 1943; the other 100 were selected from wells measured regularly in connection with cooperative ground-water investigations. The coverage of the country is still far from adequate, and it is expected that some wells not now included will be added to the network from time to time.

Changes in ground-water level in 1944 in the north-central part of the United States

In 1944 the precipitation in 6 of the 8 States in the north-central section of the country was above normal, but in Illinois, Missouri, and Wisconsin it was below normal. The fluctuations of both water level and artesian pressure in wells depend, however, on many factors besides the amount of precipitation. In certain of the observation wells there are fluctuations caused by differences in the rate of pumping or artesian flow from other wells in the area, but most of the observation wells are not noticeably affected by pumping or artesian flow. A summary of the changes in ground-water level is given in the chapter for each State.

Acknowledgments

Acknowledgments for effective services in the preparation of this water-supply paper are due Miss Dorothy M. Ireland, Rodney Hart, and Misses Gladys Case, Nauvoo Morris, and Frances Head. Miss Ireland had general charge of the assembling of the several reports and did most of the editing; Mr. Hart prepared the illustrations; and Misses Case, Morris, and Head did the offset typing.

ILLINOIS

By H. Garland Hershey and D. A. Barton

PROGRAM OF WORK

Measurements of water level were continued in 1944 in the one well in Illinois on the Nation-wide network of observation wells. This well is at Princeton, Bureau County. It is equipped with a float-tape gage, and was first observed in November 1942; observations have been made at approximately weekly intervals since that time.

FLUCTUATIONS OF WATER LEVEL

The fluctuations of the water level in the well at Princeton during 1944 followed the general annual pattern of the past record. The lowest level on record, 19.31 feet below land-surface datum, was reached on February 19, and the highest level of the year on May 27 when it was 4.93 feet below land-surface datum. The maximum variation in stage during the year was 14.38 feet. At the end of the year the water level was 0.70 foot below its stage at the end of 1943.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Bureau County

R. E. Neff (*946, p. 10; 988, p. 6). In Princeton, in sec. 9, T. 16 N., R. 9 W. Equipped with float-tape gage. Measurements made by Nick Hansen.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	18.52	Apr. 7	10.39	July 8	11.32	Oct. 14	18.26
15	18.53	15	6.51	15	12.37	21	18.42
22	18.52	22	7.32	22	13.32	28	18.58
29	18.44	29	5.52	29	14.02	Nov. 4	18.92
Feb. 5	19.21	May 6	6.28	Aug. 5	14.87	11	18.92
12	19.22	13	6.43	12	15.82	18	18.88
19	19.31	20	7.18	19	16.17	25	18.89
26	17.01	27	4.93	26	15.67	Dec. 2	19.15
Mar. 4	17.32	June 3	7.15	Sept. 9	17.71	9	18.82
11	17.14	10	7.98	15	17.77	16	18.92
18	8.41	17	9.53	23	17.92	23	19.01
26	10.59	24	9.45	30	18.08	30	19.12
Apr. 1	10.76	July 1	10.06	Oct. 7	18.17		

IOWA

By H. Garland Hershey, W. E. Hale, and D. A. Barton

PROGRAM OF WORK

Measurements of the water level in observation wells in Iowa, some of which were established in 1934, were continued in 1944 in cooperation with the Iowa Geological Survey. Most of the observation wells were established over the State as a whole in 1938 when a cooperative program of investigation of the ground-water resources of the State was begun by the Federal Geological Survey and the Iowa Geological Survey. In the Tarkio Creek Valley, in southwestern Iowa and northwestern Missouri, an observation-well program was organized by the Federal Geological Survey in 1934 in which the Soil Conservation Service of the United States Department of Agriculture participated for several years. All of these wells in Iowa are now included in one program.

Past records of the water-level measurements made in the wells in the Tarkio Creek area are published in Water-Supply Papers 777, 817, 840, 845, 886, 908, 936 and 988, and those for the wells established in 1938 first appear in Water-Supply Paper 886.

At the beginning of 1944 measurements were being made on 269 wells. During the year 89 wells were dropped from the program, and at the end of the year 179 wells were under observation. Automatic water-stage recorders were maintained on 9 wells. The water level was measured weekly in 5 wells, monthly in about 63 wells, and quarterly in most of the remaining wells. Approximately 1,510 measurements were made in 1944 as contributions to the observation-well program. In addition, many water-level measurements were made on wells in connection with pumping tests and in gathering data on new wells throughout the State. These additional measurements and descriptions of wells are not included in this report.

FLUCTUATIONS OF WATER LEVEL

The year 1944 was one of the wettest on record in Iowa. The average precipitation over the State for the year was 37.26 inches, 5.65 inches above normal. Precipitation was above average in March, April, May, and August, average in January, February, July, and December, and below average only in September, October, and November. This excess of precipitation, chiefly as rain, had the expected affect on shallow ground waters.

Water levels in shallow wells were generally higher at the close of 1944 than they were at the close of 1943. During the year the trend was upward as compared with declining water-level trends in shallow wells in Iowa during the two preceding years when precipitation was not so great. The following table shows the average net change in water levels in selected shallow wells, by counties, in 1944.

Average net change in water levels, in feet, in shallow wells in Iowa, 1944

County	Number of wells	Average net change	County	Number of wells	Average net change
Adair	5	+1.36	Madison	1	+.69
Buena Vista	6	+.22	Marion	7	+.42
Calhoun	4	+1.18	Montgomery-Page	8	+1.72
Cerro Grodo	9	-.16	Page	b 1	+.32
Clay-Palo Alto	a3	+.16	Polk	1	+.31
Dickinson	1	-.28	Sac	4	-1.01
Iowa	1	-.68	Story	1	+2.08
Johnson	2	-.75	Warren	2	-.24
Linn	6	+.98	Webster	9	-.15
Lyon	1	+.65			

a These wells, 1 in Clay County and 2 in Palo Alto County, are all in the vicinity of Lost Island Lake.

b The 8 wells listed opposite "Montgomery-Page" are in the Tarkio Creek Valley. This well is listed separately because it is not in that valley.

Shallow observation wells were established in the Tarkio Creek area, which covers parts of Montgomery and Page Counties, in Iowa, and of Atchison County, in Missouri, in 1934. Water-level measurements have been made in this group of wells at least once a month for almost the entire period of record. In 1944 these measurements were made by D. L. Hummel. Records of the water levels in wells in the Missouri part of the area are given in the section of this volume that deals with that State.

Measurements in 11 wells (Nos. 1, 2, 5, 6, 7, 10, 11, 12, 14, 15, 17) were used in computing the average water level for each month in 1944. These averages are given in the following table.

Average water levels, in feet above assumed datum planes, in 11 observation wells in the Tarkio Creek area, Iowa-Mo., 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 25,26	11.86	May 22	19.61	Sept.25,26	14.94
Feb. 25,26	12.23	June 22,25	19.87	Oct. 24,25	14.67
Mar. 27,28,29	13.29	July 26,29	16.65	Nov. 27,29	13.93
Apr. 25,27,28	20.01	Aug. 24,28	15.63	Dec. 18,22	14.01

In April of this year the average water level in the Tarkio Creek area approached the record high of 20.6 feet that occurred in March 1942. The greatest rise of 1944 occurred in the months of March and April when the difference in average water level was 6.72 feet. There were 7.80 inches of precipitation in April. The high water table continued through May and June, the average water levels were 19.61 feet and 19.87 feet, respectively. During the remainder of the year the levels declined progressively till November when the average water level was 13.91 feet and December when it was 14.01 feet which was 2.15 feet above the lowest average level for January (11.86 feet). The fluctuation of the average water level in this area and the precipitation since August 1934 are shown by months in figure 2.

The fluctuation of water level in a shallow unused well in the southern part of Webster County, near Harcourt, is shown in figure 3. The well is 41.8 feet deep, taps water in glacial drift and is representative of several shallow observation wells in the county which penetrate the same water-bearing bed. This aquifer is confined over a large part of Webster County and receives most of its recharge in places where sandy drift material extends to the surface. The graph shows the close correlation of water levels to amount of precipitation during the year. The water level was 6.66 feet below land-surface datum on January 1, but it declined steadily to the lowest point of the year, 7.15 feet, on January 26. Thereafter there was a steady rise to the high levels for the year of 1.42, 1.32, and 1.45 feet below land-surface datum on May 3, May 21, and June 11, respectively. Thereafter the level declined steadily to the end of the year, and on December 31 it was 5.84 feet below land-surface datum. Lesser fluctuations were caused by changes in atomospheric pressure.

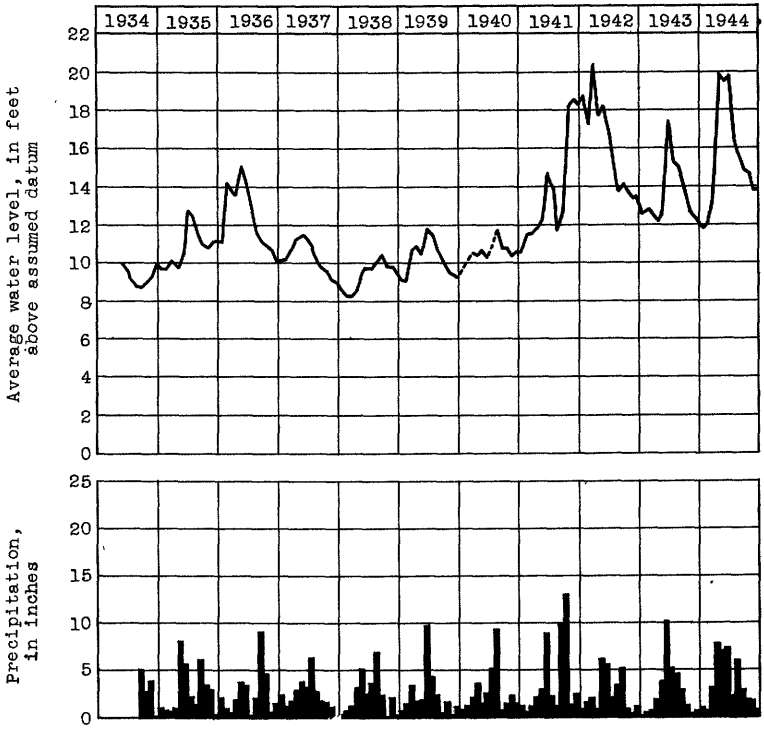

Figure 2.--Graph showing fluctuations of the average water level in 11 wells in the Tarkio Creek Valley, Iowa-Mo., and precipitation at Shenandoah, Iowa.

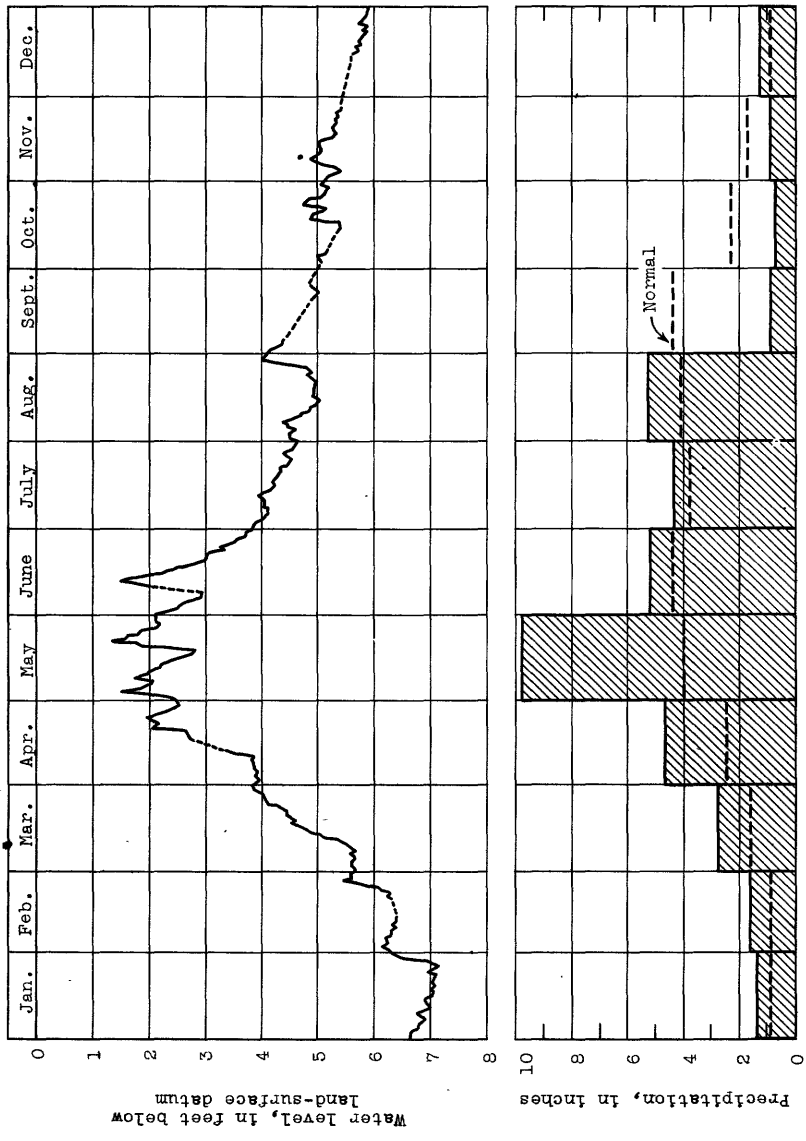

Figure 3.--Graph showing fluctuations of water level during 1944 in well 87-28-29N1, near Harcourt, Webster County, and precipitation at Fort Dodge, Webster County, Iowa.

Using well 83-7-11E1, at Cedar Rapids, Linn County, as illustrative of wells affected by industrial pumping, figure 4 shows the fluctuations of water level in this well in 1944. In the graph the daily noon water level is shown as a point unless the fluctuation is more than 0.4 foot, in which case it is shown as a vertical line connecting the high and low water level for the day. The well is finished at a depth of 195 feet in the upper portion of a formation from which most of Cedar Rapids industrial wells and air-conditioning wells draw their supply. The unused well is about 3 miles north of the heavily pumped area and about half a mile from two wells used for industrial and air-conditioning purposes. On December 30, 1944, the water level in well 83-7-11E1 was 75.51 feet below land-surface datum, which is 2.7 feet below its stage of December 31, 1943 and 7.5 feet lower than its stage of December 31, 1941. The average decline for these 3 years is 2.5 feet as of December 31 of each year.

The fluctuation of the water level is an unused municipally owned well in Mason City, Cerro Gordo County (well 96-20-3L2) is shown in figure 5. The daily fluctuation is shown by a line connecting the high and the low water level for the day. This well is 1,219 feet deep and it is cased from the surface to a depth of 99 feet and from 349 to 710 feet. The principal aquifer is the Jordan sandstone, which here has a thickness of approximately 70 feet.

WELL-NUMBERING SYSTEM

The numbers assigned by the Federal Geological Survey to its observation wells in Iowa, other than those in the Tarkio Creek area, show the location of the wells according to the rectangular system for subdivision of public land. Each number is made up of three segments, separated by hyphens. The first and second segments indicate the township and range, and the third indicates the section, one of the 40-acre subdivision of the section as shown in the accompanying diagram, and by its serial number; a particular well. In the second segment of the number of the only existing observation well in the State east of the fifth principal meridian (well 81-6E-22H1, in Clinton County), the letter E is added after the digit representing the range and will be added in the numbers of any wells established east of this meridian in the future. In the numbers of other wells, it is understood that the range indicated is west of the meridian.

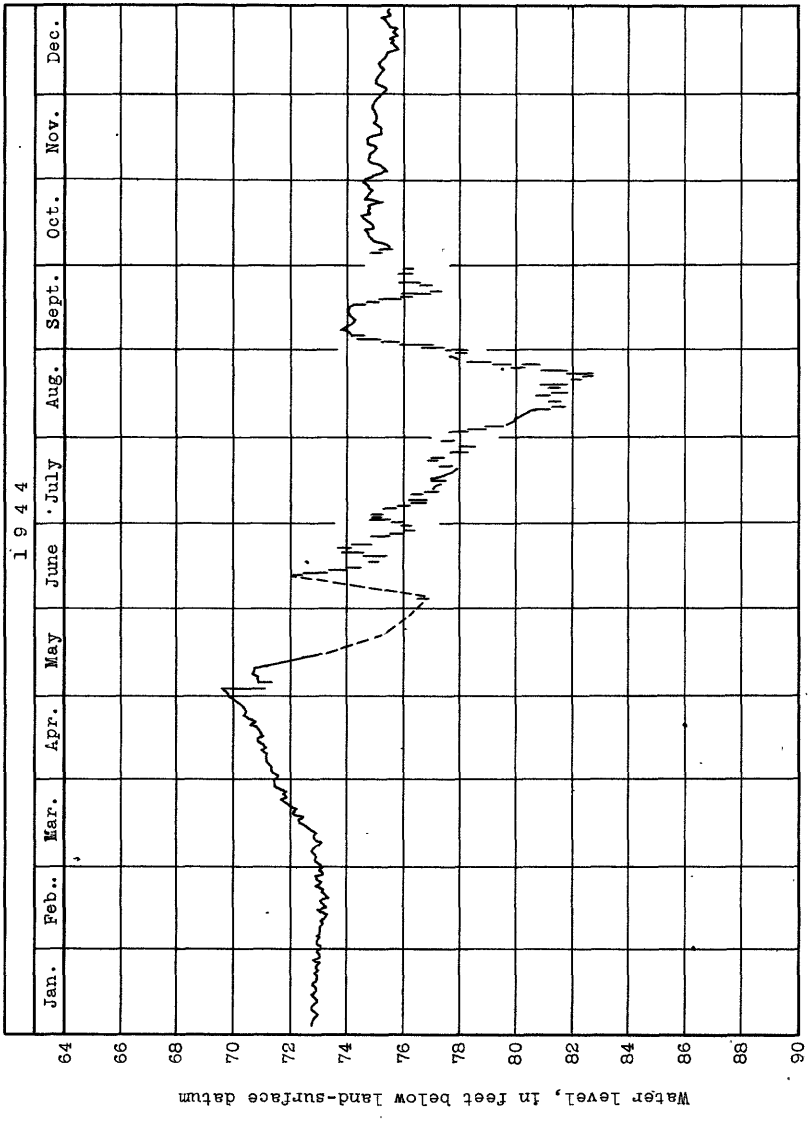

Figure 4.--Graph showing fluctuations of water level in 1944 in well 83-7-11E1, at Cedar Rapids, Iowa, caused by pumping in the vicinity.

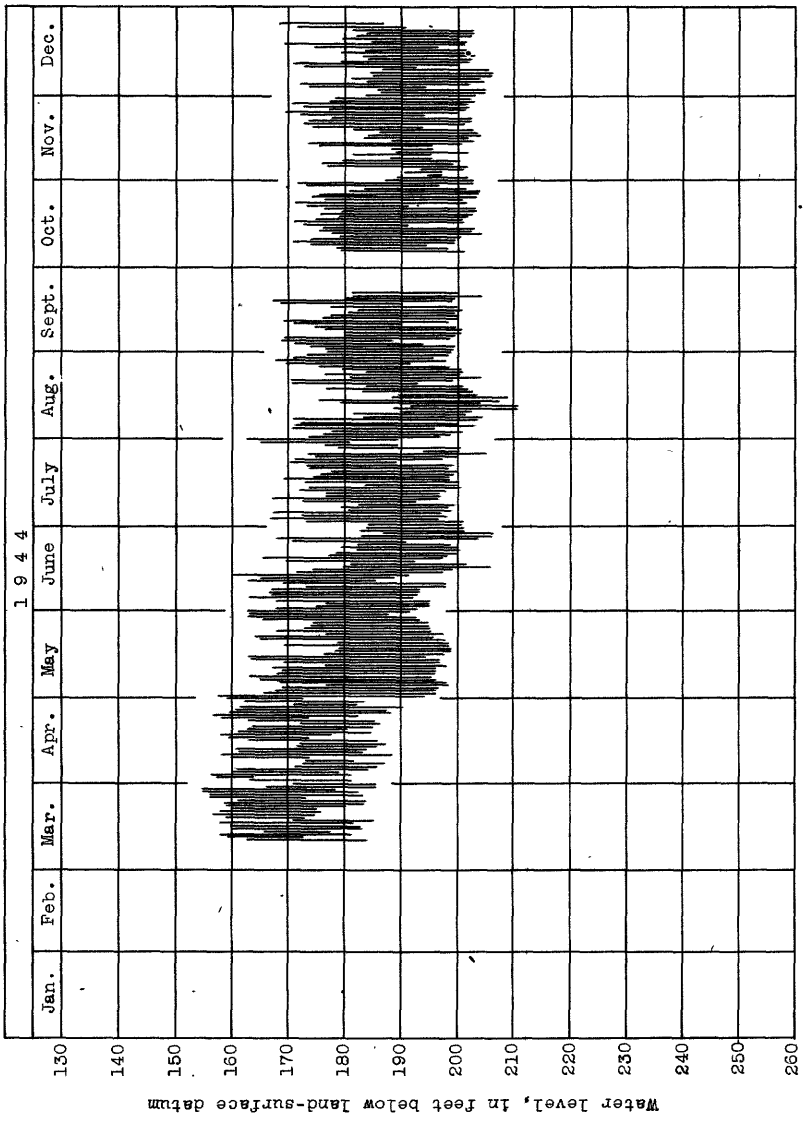

Figure 5.--Graph showing fluctuations of water level during 1944 in well 96-20-3L2, at Mason City, Iowa, caused by pumping in the vicinity.

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

For example, the number 76-31-25P1 indicates a well in T. 76 N., R. 31 W., in the SE¼SW¼ sec. 25, whose serial number is 1.

The wells in the Tarkio Creek area, which were observed for several years in cooperation with the Soil Conservation Service of the United States Department of Agriculture, are numbered consecutively in the order of their establishment. These wells were the first in Iowa to be observed by the Geological Survey and bear the numbers originally assigned to them.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Adair County

76-31-25P1 (*946, p. 17; *988, p. 15). SE¼SW¼ sec. 25, T. 76 N., R. 31 W. Water levels, in feet below land-surface datum, 1944: Mar. 23, 2.03; July 21, 3.58; Sept. 28, 2.25; Dec. 28, 1.77.

76-31-29F1 (*946, p. 17; *988, p. 15). SE¼NW¼ sec. 29, T. 76 N., R. 31 W. Water levels, in feet below land-surface datum, 1944: Mar. 23, 7.31; July 21, 7.97; Sept. 28, 9.00; Dec. 28, 12.00.

75-31-15B1 (*908, p. 10; 938, p. 9; 946, p. 17; *988, p. 15). John E. Soderberg. NW¼NE¼ sec. 15, T. 75 N., R. 31 W. Water levels, in feet below land-surface datum, 1944: Mar. 23, 1.14; July 21, 1.99; Sept. 27, 1.46; Dec. 28, 4.67.

75-31-18B1 (*908, p. 10; 938, p. 9; 946, p. 17; *988, p. 15). Charles Gilham. NW¼NE¼ sec. 18, T. 75 N., R. 31 W. Water levels, in feet below land-surface datum, 1944: Mar. 23, 9.40; July 21, 10.14; Sept. 28, 8.76; Dec. 28, 10.05.

75-30-3N1 (*946, p. 17; *988, p. 15). Elmer Phillips. SW¼SW¼ sec. 3, T. 75 N., R. 30 W. Water levels, in feet below land-surface datum, 1944: Mar. 23, 15.55; July 21, 6.61; Sept. 27, 13.99; Dec. 28, 15.03.

75-30-17E1 (*946, p. 18; *988, p. 16). SW¼NW¼ sec. 17, T. 75 N., R. 30 W. Water levels, in feet below land-surface datum, 1944: Mar. 23, 0.16; July 31, 2.59; Sept. 27, 0.68; Dec. 28, 0.48.

Benton County

85-10-16M3 (*886, p. 116; 908, p. 10; 938, p. 10; 946, p. 18; *988, p. 16). City of Vinton well 3. No measurements made in 1944.

Buena Vista County

Vicinity of Storm Lake

91-37-32E1 (*908, p. 10; 938, p. 10; 946, p. 18; *988, p. 16). SW¼NW¼ sec. 32, T. 91 N., R. 37 W. Water levels, in feet below land-surface datum, 1944: Mar. 26, 3.21; July 22, 2.81; Sept. 29, 3.59; Dec. 18, 3.89.

90-37-3E1 (*908, p. 11; 938, p. 10; 946, p. 18; *988, p. 16). Emil Schmitz. SW¼NW¼ sec. 3, T. 90 N., R. 37 W. Water levels, in feet below land-surface datum, 1944: Mar. 26, 8.02; July 22, 6.40; Sept. 29, 10.36; Dec. 18, 11.28.

90-37-3M1 (*908, p. 11; 938, p. 10; 946, p. 18; *988, p. 16). L. B. Watt. NW¼SW¼ sec. 3, T. 90 N., R. 37 W. Water levels, in feet below land-surface datum, 1944: Mar. 26, 18.67; July 22, 8.89; Sept. 29, 13.84; Dec. 18, 16.52.

90-37-11J1 (*908, p. 11; 938, p. 10; 946, p. 18; *988, p. 16). Geological Survey, U. S. Dept. of Interior. NE¼SE¼ sec. 11, T. 90 N., R. 37 W. Water levels, in feet below land-surface datum, 1944: Mar. 26, 1.46; Sept. 29, 4.67; Dec. 18, 3.77.

90-37-23D1 (*908, p. 11; 938, p. 10; 946, p. 18; *988, p. 16). Biggens Bros. NW¼NW¼ sec. 23, T. 90 N., R. 37 W. Water levels, in feet below land-surface datum, 1944: Mar. 26, 18.49; July 22, 13.41; Sept. 29, 14.00; Dec. 18, 19.22.

90-37-34B1 (*938, p. 11; 946, p. 19; *988, p. 16). Ed Zinn. NE¼NW¼ sec. 34, T. 90 N., R. 37 W. Water levels, in feet below land-surface datum, 1944: Mar. 26, 8.47; July 22, 5.70; Sept. 29, 7.78; Dec. 18, 8.82.

Calhoun County

Vicinity of Twin Lakes

89-32-28N1 (*908, p. 11; 938, p. 11; 946, p. 19; *988, p. 16). SW¼SW¼ sec. 28, T. 89 N., R. 32 W. Water levels, in feet below land-surface datum, 1944: Mar. 28, 4.20; July 27, 3.91; Oct. 3, 3.59; Dec. 17; 3.99.

89-32-31R1 (*908, p. 11; 938, p. 11; 946, p. 19; *988, p. 17). E. F. Legg. SE¼SE¼ sec. 31, T. 89 N., R. 32 W. Well abandoned; measurements discontinued.

89-32-33N1 (*908, p. 11; 938, p. 11; 946, p. 19; *988, p. 17). Ben Burns. SW¼SW¼ sec. 33, T. 89 N., R. 32 W. Water levels, in feet below land-surface datum, 1944: Mar. 28, 3.71; July 27, 4.36; Oct. 3, 4.74; Dec. 17, 4.79.

88-33-1B1 (*908, p. 12; 938, p. 11; 946, p. 19; *988, p. 17). Mr. Burns. NW¼NE¼ sec. 1, T. 88 N., R. 33 W. Water levels, in feet below land-surface datum, 1944: Mar. 28, 11.17; July 27, 7.95; Oct. 3, 13.89; Dec. 17, 14.24.

88-33-1D1 (*908, p. 12; 938, p. 11; 946, p. 19; *988, p. 17). George Voss. NW¼NW¼ sec. 1, T. 88 N., R. 33 W. Water levels, in feet below land-surface datum, 1944: Mar. 28, 8.75; July 27, 6.38; Oct. 3, 9.26; Dec. 17, 11.05.

Carroll County

85-35-7N1 (*946, p. 19; *988, p. 17). City of Breda. SW¼SW¼ sec. 7, T. 85 N., R. 35 W. Water levels, in feet below land-surface datum, 1944: Mar. 26, 189.15; July 22, 190.40; Sept. 29, 190.44; Dec. 27, 188.93.

85-35-18D1 (*908, p. 12; 938, p. 11; 946, p. 19; *988, p. 17). City of Breda. NW¼NW¼ sec. 18, T. 85 N., R. 35 W. Water levels, in feet below land-surface datum, 1944: Mar. 26, 191.93; July 22, 200.38, nearby well pumping; Sept. 29, 193.10; Dec. 17, 194.05.

84-34-25F1 (*886, p. 116; *908, p. 12; 938, p. 12; 946, p. 19; *988, p. 17). City of Carroll. SE¼NW¼ sec. 25, T. 84 N., R. 34 W. Water levels, in feet below land-surface datum, 1944: Mar. 26, 44.65; July 22, 39.17; Sept. 29, 39.39; Dec. 17, 41.35.

Cerro Gordo County

97-22-9R1 (*938, p. 12; 946, p. 19; *988, p. 17). L. C. Zobel. SE¼SE¼ sec. 9, T. 97 N., R. 22 W. Well abandoned; measurements discontinued.

97-22-16H1 (*938, p. 12; 946, p. 19; *988, p. 17). Vern Hennis. SE¼NE¼ sec. 16, T. 97 N., R. 22 W. Well abandoned; measurements discontinued.

97-22-21J1 (*938, p. 12; 946, p. 20; *988, p. 17). E. M. Fankell. NE¼SE¼ sec. 21, T. 97 N., R. 22 W. Well abandoned; measurements discontinued.

97-22-21J2 (*938, p. 12; 946, p. 20; *988, p. 17). E. M. Fenkell. NE¼SE¼ sec. 21, T. 97 N., R. 22 W. Well abandoned; measurements discontinued.

97-22-36H1 (*938, p. 12; 946, p. 20; 988, p. 18). James Kern. SE¼NE¼ sec. 36, T. 97 N., R. 22 W. Well abandoned; measurements discontinued.

97-22-36H2 (*938, p. 12; 946, p. 20; *988, p. 18). James Kern. SE¼NE¼ sec. 36, T. 97 N., R. 22 W. Well abandoned; measurements discontinued.

97-21-9E1 (*938, p. 12; 946, p. 20; *988, p. 18). E. H. Phillips. SW¼NW¼ sec. 9, T. 97 N., R. 21 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 96.90; Oct. 7, 96.60; Dec. 22, 96.92.

97-21-9E2 (*938, p. 12; 946, p. 20; *988, p. 18). E. H. Phillips. SW¼NW¼ sec. 9, T. 97 N., R. 21 W. Well abandoned; measurements discontinued.

97-21-18M2 (*938, p. 13; 946, p. 20; *988, p. 18). W. D. Hurd. NW¼SW¼ sec. 18, T. 97 N., R. 21 W. Well abandoned; measurements discontinued.

97-21-25R1 (*938, p. 13; 946, p. 20; *988, p. 18). Etna Life Insurance Co. SE¼SE¼ sec. 25, T. 97 N., R. 21 W. Well abandoned; measurements discontinued.

97-20-11D2 (*938, p. 13; 946, p. 20; *988, p. 18). C. H. Sloan. NW¼NW¼ sec. 11, T. 97 N., R. 20 W. Well abandoned; measurements discontinued.

97-20-17N1 (*938, p. 13; 946, p. 20; *988, p. 18). SW¼SW¼ sec. 17, T. 97 N., R. 20 W. Well abandoned; measurements discontinued.

97-20-24H1 (*938, p. 13; 946, p. 20; *988, p. 18). Mrs. Vinnie Shanks. SE¼NE¼ sec. 24, T. 97 N., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 7.25; July 28, 6.14; Oct. 6, 8.02; Dec. 22, 9.16.

97-20-24H2 (*938, p. 13; 946, p. 20; *988, p. 18). Mrs. Vinnie Shanks. SE¼NE¼ sec. 24, T. 97 N., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 57.68; July 28, 56.09.

97-20-27D1 (*938, p. 13; 946, p. 21; *988, p. 18). Claude Quimby. NW¼NW¼ sec. 27, T. 97 N., R. 20 W. Well abandoned; measurements discontinued.

97-20-28L1 (*988, p. 18). American Crystal Sugar Co. NE¼SW¼ sec. 28, T. 97 N., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 162.53; July 29, 148.25; Dec. 23, 150.96.

97-20-32H1 (*938, p. 13; 946, p. 21; *988, p. 19). SE¼NE¼ sec. 32, T. 97 N., R. 20 W. Well abandoned; measurements discontinued.

97-19-5N1 (*938, p. 13; 946, p. 21; *988, p. 19). Chicago, Milwaukee, St. Paul & Pacific Railroad. SW¼SW¼ sec. 5, T. 97 N., R. 19 W. Well abandoned; measurements discontinued.

97-19-16H1 (*938, p. 13; 946, p. 21; *988, p. 19). SE¼NE¼ sec. 16, T. 97 N., R. 19 W. Well abandoned; measurements discontinued.

97-19-21H2 (*938, p. 13; 946, p. 21; *988, p. 19). Mrs. Oscar Engstrom. SE¼NE¼ sec. 21, T. 97 N., R. 19 W. Well abandoned; measurements discontinued.

97-19-23H1 (*938, p. 14; 946, p. 21; *988, p. 19). Jos. Senior. SE¼NE¼ sec. 23, T. 97 N., R. 19 W. Well abandoned; measurements discontinued.

97-19-30R1 (*938, p. 14; 946, p. 21; *988, p. 19). E. Stebbens. SE¼SE¼ sec. 30, T. 97 N., R. 19 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 10.21; July 28, 9.35; Oct. 6, 9.66; Dec. 22, 10.72.

96-22-7Q1 (*938, p. 14; 946, p. 21; *988, p. 19). W. S. Overgaard. SW¼SE¼ sec. 7, T. 96, N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 23.57; July 29, 20.76; Dec. 22, 22.45.

96-22-7Q2 (*938, p. 14; 946, p. 21; *988, p. 19). W. S. Overgaard. SW¼SE¼ sec. 7, T. 96 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 11.03; July 29, 8.51; Oct. 4, 9.89; Dec. 22, 11.24.

96-22-12P1 (*908, p. 12; 938, p. 14; 946, p. 21; *988, p. 19). Daughters of American Revolution Camp. SE¼SW¼ sec. 12, T. 96 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Apr. 1, 43.42; July 29, 43.31; Oct. 6, 41.30; Dec. 22, 42.61.

96-22-14B1 (*908, p. 12; 938, p. 14; 946, p. 21; *988, p. 19). A. A. Adams. NW¼NE¼ sec. 14, T. 96 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Apr. 1, 27.66; Oct. 6, 26.76.

96-22-14C1 (*908, p. 12; 938, p. 14; 946, p. 21; *988, p. 19). Fred Stephens. NE¼NW¼ sec. 14, T. 96 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: July 29, 32.50; Oct. 6, 32.34; Dec. 22, 32.79.

96-22-20C1 (*908, p. 13; 938, p. 14; 946, p. 22; *988, p. 19). The Willow Inn. NE¼NW¼ sec. 20, T. 96 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Apr. 1, 3.76; July 29, 6.40; Oct. 6, 5.51; Dec. 22, 5.86.

96-22-20L1 (*908, p. 13; 938, p. 15; 946, p. 22; *988, p. 20). NE¼SW¼ sec. 20, T. 96 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Apr. 1, 32.03; July 29, 40.18; Oct. 6, 31.06; Dec. 22, 33.59.

96-22-23Q1 (*908, p. 13; 938, p. 15; 946, p. 22; *988, p. 20). H. R. Anderson. SW¼SE¼ sec. 23, T. 96 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Apr. 1, 20.77; July 29, 16.99; Oct. 6, 19.68; Dec. 22, 20.78.

96-22-25D2 (*908, p. 13; 938, p. 15; 946, p. 22; *988, p. 20). Geological Survey, U. S. Dept. of Interior. NW¼NW¼ sec. 25, T. 96 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: July 29, 6.38; Oct. 6, 6.76; Dec. 22, 6.99.

96-22-30H1 (*938, p. 15; 946, p. 22; *988, p. 20). Mrs. Francis Skene. SE¼NE¼ sec. 30, T. 96 N., R. 22 W. Well abandoned; measurements discontinued.

96-21-2G1 (*938, p. 15; 946, p. 22; *988, p. 20). S. P. Skovgaard. SW¼NE¼ sec. 2, T. 96 N., R. 21 W. Well abandoned; measurements discontinued.

96-21-5G1 (*938, p. 15; 946, p. 22; *988, p. 20). Farmers National Life Insurance Co. SW¼NE¼ sec. 5, T. 96 N., R. 21 W. Well abandoned; measurements discontinued.

96-21-13E1 (*908, p. 13; 938, p. 15; 946, p. 22; *988, p. 20). Mason City & Clear Lake Railway. SW¼NW¼ sec. 13, T. 96 N., R. 21 W. Water levels, in feet below land-surface datum, 1944: Apr. 1, 6.40; July 29, 4.82; Oct. 5, 5.28; Dec. 22, 6.07.

96-21-17C1 (*908, p. 13; 938, p. 15; 946, p. 22; *988, p. 20). Clear Lake Sand & Gravel Co. NE¼NW¼ sec. 17, T. 96 N., R. 21 W. Water levels, in feet below land-surface datum, 1944: Apr. 1, 18.70; July 29, 16.25; Oct. 5, 16.23; Dec. 22, 18.29.

96-21-17M1 (*908, p. 13; 938, p. 16; 946, p. 22; *988, p. 20). NW¼SW¼ sec. 17, T. 96 N., R. 21 W. Water levels, in feet below land-surface datum, 1944: July 29, 2.71; Oct. 5, 2.69.

96-21-18H1 (*908, p. 13; 938, p. 16; 946, p. 22; *938, p. 20). Sam Kennedy. SE¼NE¼ sec. 18, T. 96 N., R. 21 W. Water levels, in feet below land-surface datum, 1944: Apr. 1, 11.18; July 29, 9.06; Oct. 5, 9.65; Dec. 22, 10.29.

96-21-19N1 (*938, p. 16; 946, p. 22; *988, p. 20). Mr. Harms. SW¼SW¼ sec. 19, T. 96 N., R. 21 W. Well abandoned; measurements discontinued.

96-21-22A1 (938, p. 16; 946, p. 22; *988, p. 20). D. S. Mabb. NE¼NE¼ sec. 22, T. 96 N., R. 21 W. Well abandoned; measurements discontinued.

96-21-23R1 (*938, p. 16; 946, p. 23; *988, p. 20). Elmer and Willard Thrams. SE¼SE¼ sec. 23, T. 96 N., R. 21 W. Well abandoned; measurements discontinued.

96-21-33A1 (*938, p. 16; 946, p. 23; *988, p. 21). Ivor Toft. NE¼NE¼ sec. 33, T. 96 N., R. 21 W. Well abandoned; measurements discontinued.

96-20-3L2 (*938, p. 16; 946, p. 23; *988, p. 21). City of Mason City well 8. NE¼SW¼ sec. 3, T. 96 N., R. 20 W. Highest observed water level from recorder charts, 155.9 feet below land-surface datum on Mar. 26, 1944; lowest, 210.3 feet below land-surface datum on Aug. 11 and 12, 1944.

Daily high and low water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	March		April		May		June		July	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	.....	.....	163.2	180.9	157.6	194.1	167.5	192.7	183.8	200.5
2	.....	.....	157.3	163.2	165.5	195.9	175.2	194.8	173.0	200.6
3	.....	.....	156.3	181.3	167.8	196.0	176.5	194.7	166.9	196.4
4	.....	.....	160.2	178.8	168.9	196.5	167.6	194.8	172.2	197.9
5	.....	.....	160.7	183.8	176.4	198.3	162.8	192.0	167.2	196.8
6	.....	.....	171.0	185.5	168.1	197.8	166.9	192.7	181.2	198.7
7	.....	.....	172.2	187.0	164.8	196.0	166.5	193.0	179.6	198.0
8	.....	.....	172 8	181.3	162.9	195.2	166.8	193.0	182.3	199.4
9	.....	.....	159.8	173.6	167.8	196.0	172.9	197.5	172.3	192.4
10	.....	183.8	157.9	188.2	168.6	195.8	168.9	197.5	167.0	196.5
11	162.6	184.0	161.2	182.8	167.0	195.6	162.6	185.3	176.4	196.7
12	159.0	172.5	160.6	183.6	176.6	197.7	164.8	188.5	176.5	196.8
13	157.3	181.0	171.5	185.7	169.1	196.6	159.8	191.1	171.8	197.7
14	160.6	177.3	171.9	186.9	163.3	196.6	171.7	197.0	173.5	200.4
15	159.8	182.9	162.8	185.3	162.6	194.1	174.1	198.8	183.4	199.8
16	159.9	182.6	159.3	173.6	176.2	197.3	179.5	205.7	172.7	199.8
17	157.6	181.2	157.7	177.7	178.1	198.6	180.8	201.1	169.0	198.2

96-20-3L2. City of Mason City well 8--Continued.

Daily high and low water level, in feet below land-surface datum, 1944
(From recorder charts)

Date	March		April		May		June		July	
	High	Low	High	Low	High	Low	High	Low	High	Low
18	170.7	184.8	161.0	184.3	178.8	198.7	169.4	192.2	174.3	198.3
19	158.5	172.7	162.3	180.2	169.1	198.1	165.2	197.0	175.6	199.0
20	156.5	174.4	163.3	184.6	178.6	198.3	177.0	198.1	177.5	199.7
21	157.6	175.6	172.1	186.0	164.8	197.8	178.1	199.6	173.5	198.0
22	160.2	174.7	162.7	184.9	163.8	195.5	181.6	200.2	173.1	199.1
23	158.7	180.1	157.9	173.3	176.5	197.3	179.3	199.7	170.1	188.8
24	158.5	183.3	156.7	181.8	167.6	195.0	182.0	198.8	171.1	197.1
25	161.0	183.6	159.6	188.1	172.6	194.8	170.4	190.6	174.6	199.5
26	155.9	171.8	160.6	187.2	174.2	194.5	167.6	203.0	173.3	204.8
27	156.0	182.9	161.3	190.4	174.3	194.4	182.6	205.9	193.1	200.0
28	159.4	182.3	171.9	181.8	165.3	193.0	186.5	206.1	178.6	200.3
29	159.4	178.0	162.1	183.5	162.6	192.5	182.4	201.0	176.3	188.9
30	166.6	185.3	159.0	172.5	162.9	187.5	183.7	200.9	164.8	180.6
31	171.3	185.6	.....	.....	162.6	191.3	.....	.....	162.3	189.1

Daily high and low water levels, in feet below land-surface datum, 1944
(From recorder charts)

Date	August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	173.3	196.6	176.2	198.7	.....	.....	188.8	201.4	185.8	204.5
2	176.1	198.4	173.5	199.1	.....	.....	194.3	196.8	185.4	204.6
3	177.4	200.8	170.8	193.4	.....	.....	190.2	196.8	173.2	194.1
4	170.3	195.7	168.5	188.2	.....	.....	192.9	200.5	171.9	201.8
5	170.9	203.0	168.9	198.1	.....	201.0	176.5	201.3	183.6	204.1
6	172.0	199.9	179.8	199.1	178.8	200.9	175.3	198.8	180.8	203.6
7	170.5	203.3	179.8	200.2	178.2	198.1	179.2	200.2	184.6	205.4
8	183.0	204.1	176.3	200.3	173.4	194.0	187.6	195.1	184.1	205.6
9	181.1	200.9	174.4	199.4	170.5	199.2	180.8	195.1	186.2	204.8
10	189.7	202.0	170.5	189.5	173.7	199.1	188.6	201.6	172.5	192.1
11	188.2	210.3	169.2	198.0	178.7	200.1	187.8	195.2	170.6	199.9
12	191.5	210.3	175.8	199.7	177.3	203.8	176.2	195.0	178.9	201.6
13	178.9	203.6	177.3	199.9	175.1	202.2	173.1	200.4	183.6	202.1
14	174.8	207.0	180.3	199.2	175.8	202.6	187.8	202.5	183.3	202.5
15	188.0	208.4	182.1	200.3	173.2	190.8	183.1	201.6	179.2	202.0
16	189.3	203.1	177.0	199.5	170.8	200.9	183.8	203.7	183.3	201.0
17	182.6	202.2	168.4	190.5	174.6	200.3	185.8	203.1	174.4	196.1
18	176.5	201.3	167.3	198.5	178.5	201.3	181.2	202.4	169.0	200.7
19	183.5	200.6	179.7	199.0	175.3	202.3	174.0	193.6	184.3	201.1
20	170.5	192.7	181.2	204.0	179.0	202.8	172.4	200.9	179.2	199.8
21	170.2	198.8	180.9	199.7	176.0	202.5	173.1	202.0	181.7	202.0
22	180.7	203.8	.....	.....	172.8	190.8	177.3	202.0	183.4	202.5
23	176.1	200.2	.....	.....	171.0	201.7	171.5	193.7	181.0	202.2
24	183.5	200.6	.....	.....	176.1	200.5	169.2	199.5	171.2	190.3
25	179.8	200.3	.....	.....	174.0	202.9	176.8	201.0	168.1	186.3
26	175.2	198.4	.....	.....	175.3	203.2	172.3	201.6	167.1	.....
27	169.4	191.3	.....	.....	180.6	203.5	170.3	201.4	.....	.....
28	167.5	197.6	.....	.....	183.2	201.1	177.0	202.5	.....	.....
29	170.7	195.3	.....	.....	173.0	196.4	177.9	202.0	.....	.....
30	172.8	198.0	.....	.....	171.3	202.3	183.4	202.6	.....	.....
31	176.6	198.5	.....	.....	186.9	202.3	.....	.....	.....	.....

96-20-3P1 (*938, p. 16; 946, p. 25; *988, p. 22). Minneapolis & St. Louis Railroad Co. SE¼SW¼ sec. 3, T. 96 N., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 53.73; July 29, 42.16; Oct. 6, 43.28; Dec. 22, 47.85.

96-20-5J1 (*938, p. 16; 946, p. 25; *988, p. 22). NE¼SW¼ sec. 5, T. 96 N., R. 20 W. Well abandoned; measurements discontinued.

96-20-16J1 (*886, p. 116; 908, p. 14; 938, p. 17; 946, p. 25; *988, p. 22). City of Mason City well 11. NE¼SE¼ sec. 16, T. 96 N., R. 20 W. No measurements made in 1944.

96-20-29A1 (*938, p. 17; 946, p. 25; *988, p. 23). Roy Kirk. NE¼NE¼ sec. 29, T. 96 N., R. 20 W. Well abandoned; measurements discontinued.

96-20-36N1 (*938, p. 17; 946, p. 25; *988, p. 23). SW¼SW¼ sec. 36, T. 96 N., R. 20 W. Well abandoned; measurements discontinued.

96-19-3M1 (*938, p. 17; 946, p. 25; *988, p. 23). NW¼SW¼ sec. 3, T. 96 N., R. 19 W. Well abandoned; measurements discontinued.

96-19-18R1 (*938, p. 17; 946, p. 25; *988, p. 23). Chicago, Milwaukee, St. Paul & Pacific Railroad. SE¼SE¼ sec. 18, T. 96 N., R. 19 W. Well abandoned; measurements discontinued.

95-22-3B1 (*938, p. 17; 946, p. 25; *988, p. 23). Knut Olson. NW¼NE¼ sec. 3, T. 95 N., R. 22 W. Well abandoned; measurements discontinued.

95-22-5M1 (*938, p. 17; 946, p. 26; *988, p. 23). School district. NW¼SW¼ sec. 5, T. 95 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 7.43; July 29, 5.82; Oct. 4, 7.44; Dec. 22, 7.70.

95-22-8C1 (*938, p. 18; 946, p. 26; *988, p. 23). Jurgensen Bros. NE¼NW¼ sec. 8, T. 95 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 15.95; July 29, 14.88; Dec. 22, 16.69.

95-22-34E1 (*938, p. 18; 946, p. 26; *988, p. 23). J. G. Linden. SW¼NW¼ sec. 34, T. 95 N., R. 22 W. Well abandoned; measurements discontinued.

95-21-2H1 (*938, p. 18; 946, p. 26; *988, p. 23). Amy J. Houck. SE¼NE¼ sec. 2, T. 95 N., R. 21 W. Well abandoned; measurements discontinued.

95-21-7D1 (*938, p. 18; 946, p. 26; *988, p. 23). Commissioner of Insurance of Iowa. NW¼NW¼ sec. 7, T. 95 N., R. 21 W. Well abandoned; measurements discontinued.

95-21-12D2 (*938, p. 18; 946, p. 26; *988, p. 23). NW¼NW¼ sec. 12, T. 95 N., R. 21 W. Well abandoned; measurements discontinued.

95-21-27Q1 (*938, p. 18; 946, p. 26; *988, p. 24). Dave Blankenship. SW¼SE¼ sec. 27, T. 95 N., R. 21 W. Well abandoned; measurements discontinued.

95-20-3B1 (*938, p. 18; 946, p. 26; *988, p. 24). Farmers Cooperative Society. NW¼NE¼ sec. 3, T. 95 N., R. 20 W. Well abandoned; measurements discontinued.

95-20-5J2 (*938, p. 18; 946, p. 26; *988, p. 24). Will Hunt. NE¼SE¼ sec. 5, T. 95 N., R. 20 W. Well abandoned; measurements discontinued.

95-20-20C1 (*938, p. 19; 946, p. 27; *988, p. 24). NE¼NW¼ sec. 20, T. 95 N., R. 20 W. Well abandoned; measurements discontinued.

95-20-27Q1 (*938, p. 19; 946, p. 27; *988, p. 24). SW¼SE¼ sec. 27, T. 95 N., R. 20 W. Well abandoned; measurements discontinued.

95-19-9H1 (*938, p. 19; 946, p. 27; *988, p. 24). SE¼NE¼ sec. 9, T. 95 N., R. 19 W. Well abandoned; measurements discontinued.

95-19-18M1 (*938, p. 19; 946, p. 27; *988, p. 24). NW¼SW¼ sec. 18, T. 95 N., R. 19 W. Well abandoned; measurements discontinued.

95-19-26D2 (*938, p. 19; 946, p. 27; *988, p. 24). National Life Insurance Co. NW¼NW¼ sec. 26, T. 95 N., R. 19 W. Well abandoned; measurements discontinued.

95-19-30P1 (*938, p. 19; 946, p. 27; *988, p. 24). SE¼SW¼ sec. 30, T. 95 N., R. 19 W. Well abandoned; measurements discontinued.

95-19-30P2 (*938, p. 19; 946, p. 27; *988, p. 24). SE¼SW¼ sec. 30, T. 95 N., R. 19 W. Well abandoned; measurements discontinued.

94-22-8D1 (*938, p. 19; 946, p. 27; *988, p. 24). Mr. Dugan. NW¼NW¼ sec. 8, T. 94 N., R. 22 W. Well abandoned; measurements discontinued.

94-22-20D1 (*938, p. 19; 946, p. 27; *988, p. 24). Pete Wohler. NW¼NW¼ sec. 20, T. 94 N., R. 22 W. Well abandoned; measurements discontinued.

94-22-24J1 (*938, p. 19; 946, p. 27; *988, p. 24). NE¼SE¼ sec. 24, T. 94 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 12.47; July 29, 11.10; Oct. 6, 11.39; Dec. 21, 12.52.

94-22-24J2 (*938, p. 19; 946, p. 27; *988, p. 25). Town of Thornton. NE¼SE¼ sec. 24, T. 94 N., R. 22 W. Water level, in feet below land-surface datum, 1944: Dec. 21, 82.25.

94-22-24J3 (*938, p. 19; 946, p. 28; *988, p. 25). Mel Bowen. NE¼SE¼ sec. 24, T. 94 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Mar. 31, 16.81; Oct. 6, 9.30; Dec. 21, 7.65.

94-21-5R1 (*938, p. 20; 946, p. 28; *988, p. 25). Lauritz Schoneman. SE¼SE¼ sec. 5, T. 94 N., R. 21 W. Well abandoned; measurements discontinued.

94-21-10D2 (*938, p. 20; 946, p. 28; *988, p. 25). NW¼NW¼ sec. 10, T. 94 N., R. 21 W. Well abandoned; measurements discontinued.

94-21-24A1 (*938, p. 20; 946, p. 28; *988, p. 25). Titus Management Co. NE¼NE¼ sec. 24, T. 94 N., R. 21 W. Well abandoned; measurements discontinued.

94-20-5P1 (*938, p. 20; 946, p. 28; *988, p. 25). James P. Conrin. SE¼SW¼ sec. 5, T. 94 N., R. 20 W. Well abandoned; measurements discontinued.

94-20-22H2 (*938, p. 20; 946, p. 28; *988, p. 25). Mike Curley. SE¼NE¼ sec. 22, T. 94 N., R. 20 W. Well abandoned; measurements discontinued.

94-19-3N1 (*938, p. 20; 946, p. 28; *988, p. 25). SW¼SW¼ sec. 3, T. 94 N., R. 19 W. Well abandoned; measurements discontinued.

94-19-16R1 (*938, p. 20; 946, p. 28; *988, p. 25). Edmond Kelsh. SE¼SE¼ sec. 16, T. 94 N., R. 19 W. Well abandoned; measurements discontinued.

94-19-21P1 (*938, p. 20; 946, p. 28; *988, p. 25). William Hogan Estate. SE¼SW¼ sec. 21, T. 94 N., R. 19 W. Well abandoned; measurements discontinued.

94-19-25N1 (*938, p. 21; 946, p. 29; *988, p. 25). SW¼SW¼ sec. 25, T. 94 N., R. 19 W. Well abandoned; measurements discontinued.

Cherokee County

92-40-26P1 (*886, p. 116; 908, p. 14; 938, p. 21; 946, p. 29; *988, p. 26). City of Cherokee. Well 2 south. SE¼SW¼ sec. 26, T. 92 N., R. 40 W. Measurements by D. Kennedy, Cherokee Water Works.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	17.6	May 3	18.6	July 31	19.4	Nov. 6	16.9
a	22.9	a	23.3	a	23.3	a	24.1
Mar. 4	16.5	June 1	18.5	Aug. 1	17.5	Dec. 18	a 23.0
a	23.5	a	23.6	a	22.4		
Apr. 1	16.3	July 6	18.2	Oct. 15	15.1		
a	22.2	a	21.7	a	23.6		

a Pumping.

Clay County

96-35-3R1 (* 908, p. 14; 938, p. 21; 946, p. 29; *988, p. 26). Allis Wilson. SE¼SE¼ sec. 3, T. 96 N., R. 35 W. Water levels, in feet below land-surface datum, 1944: July 25, 3.09; Oct. 2, 2.99; Dec. 21, 3.77.

Clinton County

81-6E-22H1 (*908, p. 14; 938, p. 21; 946, p. 29; *988, p. 26). E. I. duPont de Nemours & Co. well 2. SE¼NE¼ sec. 22, T. 81 N., R. 6 E.

Water level, in feet below land-surface datum, 1944

Jan. 5	a 56.4	Apr. 1	a 68.0	June 19	b 72.6	Sept.30	b 70.0
10	a 59.9	8	a 70.3	24	b 70.7	Oct. 7	b 78.3
15	a 66.8	15	a 69.1	July 8	b 71.4	14	a 78.3
22	a 67.5	22	a 71.6	15	b 70.3	21	a 79.0
23	a 64.5	28	a 72.0	29	b 69.1	28	c 61.0
29	a 65.6	May 6	a 68.6	Aug. 5	c 58.7	Nov. 4	a 78.8
Feb. 5	a 69.1	13	a 68.9	12	b 68.4	18	a 75.8
19	a 69.1	20	a 71.6	19	b 72.6	26	a 73.7
26	a 69.1	27	b 61.9	26	b 72.6	Dec. 2	a 74.6
Mar. 4	a 71.4	June 3	a 74.9	Sept. 2	b 71.4	9	a 73.7
11	a 69.1	10	b 76.0	9	b 74.9	16	a 71.4
19	a 70.3	16	b 69.1	16	a 80.7	23	a 72.6
25	a 70.3	17	b 71.6	23	a 79.0		

a Well 2 pumping, well 1 idle.
b Wells 1 and 2 pumping.
c Well 2 idle, well 1 pumping.

81-7E-6K1 (*908, p. 14; 938, p. 21; 946, p. 30; *988, p. 26). W. Atlee Burpee Co. NW¼SE¼ sec. 6, T. 81 N., R. 7 E. Water levels, in feet below land-surface datum, 1944: May 3, 73.53; Dec. 4, 59.6.

Decatur County

69-25-29R1 (*908, p. 14; 938, p. 22; 946, p. 30; *988, p. 26). Sam Gassett. SE¼SE¼ sec. 29, T. 69 N., R. 25 W. No measurements made in 1944.

Dickinson County

99-36-6G1 (*938, p. 22; 946, p. 30; *988, p. 26). SW¼NE¼ sec. 6, T. 99 N., R. 36 W. Water levels, in feet below land-surface datum, 1944: July 25, 0.11; Oct. 1, 0.29; Dec. 19, 1.09.

Emmet County

100-32-11R1 (*886, p. 116; 908, p. 15; 938, p. 22; 946, p. 30; *988, p. 27). Okamanpedan State Park. SE¼SE¼ sec. 11, T. 100 N., R. 32 W. Water levels, in feet below land-surface datum, 1944: Mar. 28, 61.50; July 25, 61.25; Oct. 1, 62.03; Dec. 19, 61.40.

99-34-14B1 (*886, p. 116; 908, p. 15; 938, p. 22; 946, p. 30; *988, p. 27). City of Estherville well 1. NW¼NE¼ sec. 14, T. 99 N., R. 34 W. No measurements made in 1944.

Hardin County

89-20-7E1 (*938, p. 22; 946, p. 30; *988, p. 27). William H. Gilbert. SW¼NW¼ sec. 7, T. 89 N., R. 20 W. Well abandoned; measurements discontinued after July 31. Measurements made by Wm. H. Gilbert.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 16	17.60	Apr. 2	17.02	May 4	13.30
30	17.46	9	16.65	July 31	15.29

Harrison County

80-42-11Q1 (*908, p. 15; 938, p. 22; 986, p. 31; *988, p. 27). City of Woodbine. SW¼SE¼ sec. 11, T. 80 N., R. 42 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	14.85	Mar. 1	14.85	July 1	10.87	Nov. 1	13.27
Feb. 1	16.25	June 2	12.60	Aug. 1	10.60		

79-41-34N1 (*886, p. 117; 908, p. 15; 938, p. 23; 946, p. 31; *988, p. 27). Mutual Benefit Life Insurance Co. SW¼SW¼ sec. 34, T. 79 N., R. 41 W. Water levels, in feet below land-surface datum, 1944: July 22, 44.19; Sept. 27, 44.20; Dec. 27, 46.70.

78-42-11A1 (*886, p. 117; 908, p. 15; 938, p. 23; 946, p. 31; *988, p. 27). Mutual Benefit Life Insurance Co. NE¼NE¼ sec. 11, T. 78 N., R. 42 W. Water levels, in feet below land-surface datum, 1944: Mar. 25, 26.45; July 22, 33.29; Sept. 28, 15.00; Dec. 27, 21.68.

78-42-12Q1 (*886, p. 117; 908, p. 15; 938, p. 23; 946, p. 31; *988, p. 27). Mutual Benefit Life Insurance Co. SW¼SE¼ sec. 12, T. 78 N., R. 42 W. Water levels, in feet below land-surface datum, 1944: Sept. 27, 22.52; Dec. 27, 23.31.

Ida County

89-40-3D1 (*886, p. 117; 908, p. 15; 938, p. 23; 946, p. 31; *988, p. 28). City of Holstein well 3. NW¼NW¼ sec. 35, T. 89 N., R. 40 W. No measurements made in 1944.

Iowa County

80-9-3L1 (*946, p. 31; *988, p. 28). NW¼SE¼ sec. 3, T. 80 N., R. 9 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 2.45; Apr. 2, 2.65; July 20, 4.86; Dec. 29, 4.85.

Jasper County

80-18-31C1 (*908, p. 16; 938, p. 23; 946, p. 32; *988, p. 28). Maynard Lust. NE¼NW¼ sec. 31, T. 80 N., R. 18 W. Water levels, in feet below land-surface datum, 1944: Apr. 2, 15.64; July 31, 4.17; Oct. 8, 9.90; Dec. 29, 13.39.

Jefferson County

72-10-26A1 (*946, p. 32; *988, p. 28). Dr. Charles Carter. NE¼NE¼ sec. 26, T. 72 N., R. 10 W.

72-10-26A1. Dr. Charles Carter--Continued.

Water level at noon, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.49	24.81	24.97	23.47	.....	20.28	22.54	24.05	24.84	24.39	.....
2	24.49	24.80	24.96	23.47	.....	20.30	22.62	24.05	24.85	24.34	.....
3	24.48	24.78	24.91	23.47	.....	20.34	22.69	24.08	24.82	24.29	.....
4	24.49	24.81	24.84	23.41	.....	20.41	22.77	24.13	24.78	24.33	22.84
5	24.49	24.77	24.84	23.38	.....	20.50	22.78	24.17	24.70	24.34	22.74
6	24.52	24.81	24.76	23.32	.....	20.55	22.86	24.22	24.68	24.30	22.64
7	24.58	24.79	24.75	23.19	.....	20.60	22.93	24.29	24.70	24.23	22.53
8	24.63	24.82	24.77	23.10	.....	20.66	23.01	24.35	24.69	24.13	22.43
9	24.63	24.85	24.81	23.02	.....	20.73	23.09	24.38	24.67	24.05	22.39
10	24.59	24.86	24.81	22.96	.....	.....	23.14	24.40	24.66	24.01	22.31
11	24.60	24.90	24.75	22.83	.....	.....	23.19	24.44	24.62	23.96	.....
12	24.66	24.95	24.72	22.80	.....	.....	23.24	24.46	24.59	23.89	.....
13	24.72	24.98	24.72	22.79	.....	.....	23.29	24.47	24.55	23.81	.....
14	24.70	24.93	24.67	22.67	.....	.....	23.36	24.50	24.51	23.68	.....
15	24.66	24.94	24.60	22.50	.....	.....	23.42	24.54	24.55	23.59	.....
16	24.66	24.95	24.53	22.48	.....	.....	23.46	24.59	24.58	23.56	.....
17	24.68	24.92	24.44	22.49	.....	.....	23.51	24.64	24.58	23.56	.....
18	24.67	24.97	24.42	22.46	.....	.....	23.62	24.69	24.52	23.54	.....
19	24.65	25.01	24.41	22.44	.....	.....	23.71	24.73	24.50	23.49	.....
20	24.66	25.00	24.34	22.34	.....	.....	23.79	24.76	24.47	23.42	.....
21	24.65	25.00	24.32	22.27	.....	.....	23.84	24.76	24.45	23.37	.....
22	24.66	24.92	24.27	21.84	.....	.....	23.90	24.83	24.49	23.30	.....
23	24.69	24.92	24.16	14.94	.....	.....	23.95	24.85	24.46	23.22	.....
24	24.68	24.90	24.03	.....	.....	.....	24.02	24.89	24.43	23.18	.....
25	24.66	24.90	23.95	.....	19.81	.....	24.08	24.90	24.42	23.11	.....
26	24.69	24.83	23.92	.....	19.84	.....	24.07	24.90	24.45	23.02	.....
27	24.69	24.83	23.84	.....	19.90	.....	24.07	24.88	24.50	.....	.....
28	24.70	24.89	23.83	.....	20.02	.....	24.07	24.86	24.49	.....	.....
29	24.74	24.93	23.74	.....	20.14	.....	24.09	24.86	24.48	.....	.....
30	24.76	.....	23.63	.....	20.22	22.32	24.07	24.84	24.76	.....	.....
31	24.76	.....	23.56	.....	.....	22.44	24.05	.....	24.42	.....	.....

Johnson County

80-5-9K2 (*908, p. 16; 938, p. 23; 946, p. 32; *988, p. 29). Geological Survey, U. S. Dept. of Interior. NW¼SE¼ sec. 9, T. 80 N., R. 5 W. Highest observed water level from recorder charts, 0.31 foot below land-surface datum at noon on May 21; lowest, 5.21 feet below land-surface datum at noon on Oct. 1.

Water level at noon, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.88	2.50	1.63	1.09	1.19	1.79	2.71	4.33	4.27	5.21	4.72	4.43
2	3.88	2.56	1.65	1.34	1.34	2.00	2.71	4.37	4.43	4.74	4.61	4.43
3	3.88	2.73	1.61	1.42	1.05	2.17	2.22	4.42	4.58	4.58	3.92	4.40
4	3.90	2.77	1.02	1.54	1.28	2.31	2.51	4.41	4.70	4.53	4.08	4.37
5	3.90	2.86	1.15	1.61	1.42	2.40	2.71	4.26	4.75	4.16	4.20	4.08
6	3.93	2.88	1.17	1.64	1.17	2.47	2.82	4.42	4.84	4.29	4.13	4.05
7	3.97	2.90	1.39	1.26	1.42	2.50	2.89	4.49	4.91	4.42	4.07	4.09
8	3.97	2.97	1.57	1.44	1.22	2.51	2.97	4.55	4.94	4.45	4.11	4.15
9	3.95	3.05	1.68	1.20	1.46	1.10	3.05	4.59	4.97	4.50	4.16	4.28
10	3.94	3.06	1.68	.80	1.60	1.53	3.10	4.65	5.05	4.52	4.27	4.26
11	4.01	3.14	.87	.64	1.70	1.77	3.16	4.67	5.00	4.54	4.29	4.29
12	4.04	3.21	.60	.74	1.83	1.95	3.20	4.66	4.92	4.58	4.30	4.28
13	4.05	3.19	.60	.87	1.99	2.08	3.24	4.75	4.83	4.57	4.29	4.33
14	4.01	3.08	.45	.97	2.11	2.26	3.34	4.82	4.88	4.65	4.28	4.34
15	4.01	3.23	.45	.60	2.24	2.37	3.40	4.86	4.98	4.74	4.32	4.28
16	4.08	3.22	.57	.68	1.94	.55	3.48	4.80	4.96	4.73	4.43	4.36
17	4.09	3.22	.71	.87	2.16	.96	3.58	4.42	5.05	4.69	4.46	4.37
18	4.04	3.35	.80	.88	2.35	1.39	3.64	4.58	5.09	4.64	4.45	4.39
19	4.06	3.36	.94	1.03	1.04	1.58	3.70	4.70	5.08	4.68	4.44	4.41
20	4.07	3.32	1.12	.83	.37	1.78	3.77	4.79	5.11	4.72	4.43	4.32
21	4.09	3.37	1.23	1.05	.31	1.93	3.83	4.80	5.16	4.75	4.46	4.45
22	4.08	2.59	1.16	.57	.50	1.95	3.85	4.86	5.20	4.76	4.43	4.39

80-5-9K2. Geological Survey, U. S. Dept. of Interior--Continued.

Water level at noon, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
23	4.08	1.78	0.74	0.48	....	2.16	3.89	4.87	5.12	4.68	4.45	4.42
24	4.06	1.75	.78	.62	....	2.34	3.93	4.93	5.09	4.72	4.49	4.39
25	4.06	1.58	.91	....	....	2.44	3.99	4.95	5.09	4.76	4.49	4.43
26	4.09	1.04	1.07	....	.65	1.29	4.03	4.89	5.08	4.78	4.16	4.38
27	1.00	1.23	1.10	.90	.59	1.91	4.08	4.58	5.11	4.80	4.21	4.37
28	1.62	1.29	1.19	1.07	.82	2.28	4.12	4.56	5.18	4.80	4.28	....
29	1.98	1.49	1.20	1.19	1.05	2.49	4.16	....	5.15	4.77	4.28	4.37
30	2.14	....	1.30	.96	1.29	2.60	4.22	....	5.14	4.72	4.34	4.37
31	2.36	....	1.12	....	1.53	....	4.28	4.09	....	4.70	....	4.36

80-5-22M1 (*938, p. 24; 946, p. 33; *988, p. 30). Chicago, Rock Island & Pacific Railway. NW¼SW¼ sec. 22, T. 80 N., R. 5 W.

Water level at noon, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	.....	14.12	11.31	9.52	6.60	6.05	11.85	15.59	16.85	17.38
2	.....	13.85	11.16	9.77	7.15	6.55	11.94	15.70	16.83	17.40
3	.....	13.69	11.07	9.90	7.56	7.26	12.05	15.80	16.83	17.40
4	.....	13.71	11.07	9.92	8.00	7.93	12.15	15.89	16.83	17.38
5	.....	13.51	11.12	10.14	8.30	8.54	12.25	15.98	16.84	17.27
6	.....	13.65	10.86	10.25	8.54	9.13	.....	16.07	16.86	17.18
7	.....	13.56	10.87	10.28	8.70	9.57	.....	16.17	16.90	17.13
8	.....	13.64	11.00	10.42	8.81	9.90	.....	16.23	16.91	17.05
9	.....	13.69	11.18	10.51	8.99	10.32	.....	16.30	16.90	16.99
10	.....	13.71	11.19	10.50	9.18	9.83	.....	16.35	16.92	16.93
11	.....	13.77	11.85	10.06	9.28	9.74	.....	16.40	16.96	16.90
12	.....	13.85	10.24	9.45	9.41	9.76	.....	16.48	16.97	16.84
13	.....	13.85	9.37	8.57	9.57	9.92	.....	16.55	16.97	16.78
14	.....	13.68	8.70	7.93	9.77	10.17	13.41	16.63	17.00	16.73
15	.....	13.84	7.45	7.63	9.94	10.37	13.49	16.70	17.02	(b)
16	.....	13.90	5.87	7.25	10.10	10.32	13.63	16.75	17.03	.....
17	.....	13.87	5.80	6.92	10.26	9.40	13.72	16.79	17.07	.....
18	.....	14.04	6.01	6.86	10.44	9.15	13.84	16.84	17.10	.....
19	.....	14.16	6.20	7.07	10.33	9.23	13.96	16.86	17.12	.....
20	.....	14.10	6.49	7.21	(a)	9.46	14.09	16.86	17.14	.....
21	.....	14.13	7.00	7.59	(a)	9.64	14.24	16.87	17.17	.....
22	.....	13.76	7.39	7.29	(a)	9.90	14.35	16.88	17.21	.....
23	.....	12.06	7.56	(a)	(a)	10.21	14.44	16.90	17.24	.....
24	.....	12.65	7.60	(a)	(a)	10.54	14.58	16.93	17.26	.....
25	.....	12.30	7.85	(a)	(a)	10.77	14.73	16.95	17.28	.....
26	.....	11.87	8.20	(a)	(a)	10.99	14.81	16.97	17.28	.....
27	.....	11.74	8.39	(a)	(a)	11.18	14.96	16.97	17.27	.....
28	.....	11.51	8.84	(a)	(a)	11.39	15.08	16.96	17.30	.....
29	.....	11.36	8.92	5.97	(a)	11.60	15.21	16.97	17.34	.....
30	14.57	.....	9.14	6.22	(a)	11.75	15.34	16.94	17.35	.....
31	14.25	.....	9.48	.....	(a)	.....	15.43	16.88	.....	.....

a Depth to water less than 5.95 feet. At this level the water overflows into well 80-5-22M2 which is a drilled well inside 80-5-22M1.

b Water level fluctuated between 16.2 and 17.2 feet below land-surface datum from Oct. 14 to Dec. 9.

80-5-22M2 (*938, p. 24; 946, p. 34; *988, p. 31). Chicago, Rock Island & Pacific Railway. NW¼SW¼ sec. 22, T. 80 N., R. 5 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Apr. 15	13.77	Aug. 12	17.28	Oct. 14	17.10
July 14	15.07	Sept.16	17.10	Dec. 9	17.10

Linn County

85-6-19J1 (*908, p. 17; 938, p. 24; *946, p. 34; *988, p. 31). Geological Survey, U. S. Dept. of Interior. NE¼SE¼ sec. 19, T. 85 N., R. 6 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	4.63	Apr. 29	4.43	July 31	5.10	Oct. 28	5.93
Feb. 29	4.64	May 31	4.47	Aug. 29	4.66	Nov. 30	4.47
Apr. 3	4.31	June 27	4.32	Sept.30	4.26	Dec. 30	4.79

85-6-26D1 (*908, p. 17; 938, p. 24; 946, p. 34; *988, p. 31). Geological Survey, U. S. Dept. of Interior. NW¼NW¼ sec. 26, T. 85 N., R. 6 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	7.15	Apr. 29	2.06	Aug. 29	4.80	Nov. 30	4.68
Feb. 29	4.20	May 31	2.45	Sept.30	4.23	Dec. 30	5.66
Apr. 3	1.49	July 31	3.68	Oct. 28	4.93		

85-6-29B1 (*908, p. 17; 938, p. 25; 946, p. 34; *988, p. 31). Earl Balderson. NW¼NE¼ sec. 29, T. 85 N., R. 6 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	62.46	Apr. 29	61.19	July 31	59.27	Oct. 28	61.48
Feb. 29	62.89	May 31	59.53	Aug. 29	59.95	Nov. 30	60.15
Apr. 3	61.87	June 29	58.75	Sept.30	60.55	Dec. 30	61.19

85-6-30D1 (*946, p. 34; *988, p. 31). Weaver Witwer. NW¼NW¼ sec. 30, T. 85 N., R. 6 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	15.70	Apr. 29	11.96	July 31	14.54	Oct. 28	14.49
Feb. 29	15.36	May 31	12.06	Aug. 29	15.23	Nov. 30	13.82
Apr. 3	12.38	June 27	12.35	Sept.30	14.91	Dec. 30	12.66

84-7-13E1 (*908, p. 18; 938, p. 25; 946, p. 35; *988, p. 31). Alfred Rinderknecht. SW¼NW¼ sec. 13, T. 84 N., R. 7 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	7.11	Apr. 29	3.26	July 31	5.57	Oct. 28	5.30
Feb. 29	6.09	May 31	3.34	Aug. 29	6.00	Nov. 30	5.85
Apr. 3	3.74	June 27	3.89	Sept.30	5.98	Dec. 30	6.14

84-6-20N1 (*908, p. 18; 938, p. 25; 946, p. 35; *988, p. 31). Geological Survey, U. S. Dept. of Interior. SW¼SW¼ sec. 20, T. 84 N., R. 6 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	5.55	Apr. 29	3.00	July 31	5.71	Oct. 28	7.33
Feb. 29	4.43	May 31	3.20	Aug. 29	6.08	Nov. 30	7.87
Apr. 3	3.27	June 27	3.72	Sept.30	6.57	Dec. 30	7.86

84-6-22F1 (*908, p. 18; 938, p. 25; 946, p. 35; *988, p. 31). C. A. Wissler. SW¼NW¼ sec. 22, T. 84 N., R. 6 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	7.08	Apr. 29	3.49	July 31	5.86	Oct. 28	6.75
Feb. 29	6.71	May 31	3.50	Aug. 29	6.78	Nov. 30	4.80
Apr. 3	3.98	June 27	4.45	Sept.30	6.27	Dec. 30	4.92

83-7-1B1 (*938, p. 25; 946, p. 35; *988, p. 33). City of Marion. NW¼NE¼ sec. 1, T. 83 N., R. 7 W.

Water level, in feet below land-surface datum, 1944

Feb. 29	7.41	June 27	4.45	Sept.30	6.28	Dec. 30	7.15
Apr. 3	5.94	July 31	5.94	Oct. 28	6.59		
May 31	5.88	Aug. 29	5.75	Nov. 30	6.96		

83-7-2P1 (*908, p. 18; 938, p. 26; 946, p. 35; *988, p. 33). Mr. Hollenbeck. SE¼SW¼ sec. 2, T. 83 N., R. 7 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	32.16	Apr. 29	26.45	July 31	30.30	Oct. 28	31.76
Feb. 29	31.92	May 31	24.46	Aug. 29	32.65	Nov. 30	31.92
Apr. 3	28.79	June 29	27.05	Sept.30	31.39	Dec. 30	32.29

83-7-11E1 (*938, p. 26; 946, p. 35; *988, p. 32). Louis Maresh. In Cedar Rapids, in SW¼NW¼ sec. 11, T. 83 N., R. 7 W. Highest observed water level, from recorder charts, 69.55 feet below land-surface datum on May 3; lowest, 82.73 feet below land-surface datum on Aug. 17.

Water level at noon, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	Nov.	Dec.
1	.....	73.07	73.08	71.52	74.90	75.40
2	.....	72.92	72.92	71.58	75.16	75.43
3	72.73	72.99	72.89	71.40	75.41	75.26
4	72.78	73.03	72.92	71.36	75.36	75.05
5	72.78	72.93	72.89	71.38	75.15	75.03
6	72.82	73.01	72.75	71.22	74.87	75.10
7	72.99	73.09	72.84	71.17	74.77	75.07
8	72.89	73.06	73.02	71.18	74.81	75.21
9	72.75	73.17	73.11	71.17	74.87	75.37
10	72.72	73.09	72.83	71.20	75.06	75.22
11	72.88	73.22	72.81	71.00	75.10	75.12
12	72.97	73.30	72.93	71.19	74.97	75.20
13	72.93	73.09	72.84	71.07	74.75	75.38
14	72.79	72.98	72.67	70.85	74.75	75.42
15	72.73	73.26	72.56	70.88	74.90	75.46
16	72.90	73.10	72.33	71.02	75.22	75.80
17	72.90	73.07	72.31	70.99	75.25	75.70
18	72.75	73.34	72.43	70.90	75.27	75.58
19	72.81	73.23	72.12	70.83	75.14	75.69
20	72.83	73.14	72.14	70.61	74.95	75.54
21	72.94	73.17	72.21	70.80	75.07	75.85
22	72.86	72.94	71.99	70.62	75.02	75.66
23	73.00	73.02	71.85	70.35	75.08	75.81
24	72.88	73.10	71.63	70.44	74.97	75.58
25	72.96	72.92	71.85	70.44	74.98	75.50
26	73.05	72.90	71.77	70.37	74.96	75.36
27	72.84	73.12	71.85	70.34	75.00	75.22
28	73.03	73.05	71.73	.....	75.07	75.52
29	73.04	73.14	71.45	.....	75.13	75.44
30	72.98	.....	71.46	69.84	75.24	75.51
31	73.09	.....	71.47	.....	.....	.....

Daily high and low water levels, in feet below land-surface datum, 1944
(From recorder charts)

Day	May		June		July	
	High	Low	High	Low	High	Low
1	a 69.80	.....	.....	.....	75.53	75.97
2	a 69.71	.....	.....	.....	74.77	75.53
3	69.55	71.13	.....	.....	74.90	75.27
4	a 70.11	.....	76.46	76.92	74.86	75.29
5	70.89	71.39	.....	.....	a 74.96	.....
6	.....	.....	.....	.....	75.26	75.78
7	a 70.89	.....	.....	.....	75.78	76.22
8	a 70.65	.....	.....	.....	76.22	76.79
9	a 70.75	.....	.....	.....	76.15	76.82
10	a 70.71	.....	.....	.....	a 76.02	.....
11	a 71.15	.....	72.12	.....	76.27	76.73
12	.....	.....	72.03	72.43	76.73	77.24
13	.....	.....	72.43	73.33	a 77.03	.....
14	a 72.77	.....	73.33	73.98	a 77.07	.....

a Water level at noon; daily fluctuation less than 0.4 foot.

83-7-11E1. Louis Maresh--Continued.

Daily high and low water levels, in feet below land-surface datum, 1944
(From recorder charts)

Day	May		June		July	
	High	Low	High	Low	High	Low
15	a 73.15	.....	73.98	74.56	a 77.33	.....
16	.....	.....	a 74.55	.....	76.94	77.51
17	.....	.....	74.75	75.16	a 76.98	.....
18	.....	.....	a 75.33	.....	a 77.43	.....
19	.....	.....	74.54	75.42	a 77.76	.....
20	.....	.....	73.76	74.54	a 77.91	.....
21	a 74.92	.....	73.55	.....	77.25	77.75
22	a 75.26	.....	73.67	74.11	a 77.14	.....
23	.....	.....	74.11	74.85	76.83	77.23
24	.....	.....	a 74.94	.....	76.98	77.42
25	.....	.....	74.98	.....	a 77.47	.....
26	.....	.....	74.87	75.51	77.63	78.30
27	.....	.....	75.51	75.99	a 78.30	.....
28	a 76.14	.....	75.99	76.44	77.95	78.52
29	.....	.....	a 76.24	.....	a 77.60	.....
30	.....	.....	75.95	76.31	77.38	77.80
31	.....	.....	.....	.....	a 77.30	.....

a Water level at noon daily fluctuation less than 0.4 foot.

Daily high and low water levels, in feet below land-surface datum, 1944
(From recorder charts)

Day	August		September		October	
	High	Low	High	Low	High	Low
1	a 77.47	.....	76.63	77.50	75.72	.....
2	77.61	78.28	75.87	76.63	75.32	.....
3	78.27	78.94	75.26	75.87	75.14	.....
4	78.94	79.51	74.41	75.26	74.91	.....
5	a 79.67	.....	74.26	74.72	74.82	75.25
6	a 79.91	.....	a 74.12	.....	75.14	75.67
7	a 79.99	.....	a 73.80	.....	a 75.50	.....
8	a 80.23	.....	a 74.05	.....	a 75.36	.....
9	a 80.46	.....	a 74.16	.....	a 75.02	.....
10	80.65	81.23	a 74.31	.....	a 74.88	.....
11	81.23	81.77	74.33	.....	a 74.82	.....
12	a 81.56	.....	74.17	.....	a 74.75	.....
13	81.54	81.08	74.11	.....	a 74.67	.....
14	a 81.30	.....	74.11	.....	a 74.99	.....
15	a 81.70	.....	74.11	.....	a 74.98	.....
16	81.92	82.32	74.27	74.69	a 74.74	.....
17	82.31	82.73	74.69	75.13	a 74.65	.....
18	81.79	82.70	75.13	75.96	a 74.52	.....
19	80.85	81.79	75.96	76.34	a 74.88	.....
20	80.21	80.85	76.34	76.99	a 74.77	.....
21	a 80.07	.....	76.99	77.41	a 74.85	.....
22	a 80.27	.....	77.00	77.43	a 74.73	.....
23	a 80.48	.....	76.59	77.00	a 75.37	.....
24	80.21	80.69	75.93	76.59	a 74.69	.....
25	79.79	80.27	a 75.70	.....	a 74.77	.....
26	79.15	79.79	a 75.59	.....	a 74.85	.....
27	78.20	79.15	75.79	76.34	a 74.91	.....
28	a 77.94	.....	76.51	.....	a 74.80	.....
29	a 77.70	.....	76.01	76.41	a 74.78	.....
30	77.85	78.29	75.88	.....	a 74.60	.....
31	77.50	78.29	.....	.....	a 74.70	.....

a Water level at noon; daily fluctuation less than 0.4 foot.

83-7-16D1 (*908, p. 19; 938, p. 27; 946, p. 37; *988, p. 34). City of Cedar Rapids. In Shaver Park, Cedar Rapids, in NW¼NW¼ sec. 16, T. 83 N., R. 7 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	88.80	Apr. 29	83.40	July 31	87.09	Oct. 28	89.06
Feb. 29	88.92	May 31	82.60	Aug. 29	87.35	Nov. 30	88.05
Apr. 3	85.29	June 29	83.17	Sept.30	87.90	Dec. 30	87.86

83-7-16J1 (*908, p. 19; 938, p. 27; 946, p. 37; *988, p. 34). City of Cedar Rapids. In Daniels Park, Cedar Rapids, in NE¼SE¼ sec. 16, T. 83 N., R. 7 W.

Water levels, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 31	30.36	Apr. 3	30.36	May 31	29.24
Feb. 29	30.70	29	30.05		

83-7-17L1 (*908, p. 19; 938, p. 27; 946, p. 37; *988, p. 34). City of Cedar Rapids. In Ellis Park Cedar Rapids, in NE¼SW¼ sec. 17, T. 83 N., R. 7 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	20.11	Apr. 29	18.58	July 31	19.83	Oct. 28	20.55
Feb. 29	19.42	May 31	17.60	Aug. 29	20.23	Nov. 30	21.52
Apr. 3	19.38	June 29	18.14	Sept.30	20.24	Dec. 30	20.43

83-7-21K1. Wapsi Valley Creamery. NW¼SE¼ sec. 21, T. 83 N., R. 7 W. Measuring point is 1.75 feet above land-surface datum. Highest observed water level from recorder charts, 56.71 feet below land-surface datum on Apr. 30; lowest, 59.24 feet below land-surface datum on Aug. 15-16.

Water level at noon, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.87	57.49	57.44	57.09	56.95	57.95	58.01	58.84	58.99	58.27	58.45	58.07
2	56.77	57.53	57.46	57.02	57.16	58.16	57.85	58.96	59.11	58.28	58.46	58.03
3	56.93	57.56	57.48	57.17	57.24	58.44	57.73	58.98	59.10	58.55	58.45	57.98
4	57.03	57.56	57.52	57.31	57.34	58.25	57.79	59.01	58.66	58.61	58.39	57.92
5	57.28	57.50	57.10	57.18	57.33	58.25	58.03	58.63	58.85	58.55	57.98	57.99
6	57.36	57.19	57.28	57.33	57.26	58.19	58.34	58.59	59.11	58.49	58.10	57.99
7	57.41	57.26	57.42	57.37	56.84	58.18	58.42	58.77	59.05	58.47	58.26	57.97
8	57.40	57.51	57.45	57.06	56.98	58.18	58.14	58.97	59.03	58.01	58.33	58.01
9	57.07	57.60	57.53	56.95	57.19	58.17	58.13	59.04	59.03	58.16	58.35	57.97
10	57.18	57.60	57.52	57.13	57.28	57.68	58.26	59.05	58.77	58.33	58.36	57.49
11	57.37	57.63	57.46	57.28	57.39	57.47	58.47	59.13	58.85	58.42	58.36	57.65
12	57.45	57.56	57.13	57.35	57.43	57.76	58.46	59.13	58.92	58.43	57.89	57.80
13	57.45	57.37	57.28	57.34	57.53	57.99	58.50	58.93	58.96	58.47	58.05	57.83
14	57.44	57.36	57.38	57.27	57.13	58.29	58.58	58.96	58.90	58.50	58.25	57.90
15	57.41	57.55	57.39	56.97	57.37	58.43	58.61	59.24	58.89	57.97	58.27	57.95
16	57.15	57.55	57.35	56.81	57.70	58.34	58.35	59.24	58.93	58.98	58.34	57.96
17	57.20	57.59	57.34	57.02	57.88	58.35	58.38	59.14	58.37	58.40	58.35	57.76
18	57.41	57.63	57.15	57.25	57.92	58.15	58.70	59.12	58.48	58.46	58.33	57.73
19	57.46	57.55	57.01	57.26	57.83	57.89	58.69	59.08	58.75	58.42	57.96	57.90
20	57.46	57.19	57.04	57.18	57.70	57.83	58.69	58.73	58.80	58.48	58.07	57.97
21	57.47	57.31	57.37	57.18	57.64	57.93	58.59	58.84	58.78	58.48	58.27	58.01
22	57.44	57.47	57.31	56.95	57.60	58.02	58.63	59.12	58.68	58.25	58.27	57.93
23	57.17	57.47	57.20	56.76	57.78	58.16	58.50	59.10	58.53	58.24	57.78	57.92
24	57.29	57.49	57.21	56.91	57.73	58.18	58.62	59.08	58.23	58.43	57.97	57.41
25	57.48	57.47	57.21	57.00	57.64	58.03	58.75	59.05	58.22	58.42	57.80	57.27
26	57.56	57.45	57.03	57.02	57.74	57.82	58.69	59.06	58.60	58.48	57.68	57.55
27	57.45	57.17	57.10	57.07	57.74	58.25	58.78	58.75	58.57	58.48	57.90	57.76
28	57.55	57.20	57.29	57.14	57.60	58.31	58.79	58.79	58.70	58.15	58.08	57.78
29	57.45	57.44	57.41	57.00	57.42	58.35	58.72	58.92	58.71	57.99	58.09	57.82
30	57.35	.....	57.35	56.71	57.27	58.23	58.49	59.05	58.63	58.16	58.09	57.80
31	57.35	.....	57.35	.....	57.57	.....	58.60	59.04	.....	58.37	.....	57.57

83-7-21Ll (*908, pp. 19-20; 938, p. 28; 946, pp. 37-39; *988, p. 35). City of Cedar Rapids. In Cedar Rapids, in NE¼SW¼ sec. 21, T. 83 N., R. 7 W. Highest observed water level, from recorder charts, 29.05 below land-surface datum on Dec. 11; lowest, 61.44 feet below land-surface datum on Aug. 17.

Daily high and low water levels, in feet below land-surface datum, 1944

Day	January		February		March		April		June	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	.....	.....	38.52	41.43	36.95	41.60	.....	.....	.....	.....
2	.....	.....	38.85	41.82	36.75	41.00	.....	.....	.....	.....
3	.....	.....	38.03	42.19	37.12	40.92	.....	39.68	.....	.....
4	.....	.....	38.50	40.95	34.65	39.85	37.17	40.78	.....	.....
5	.....	.....	35.93	40.48	32.25	34.65	37.42	40.39	.....	.....
6	.....	.....	33.20	35.95	31.52	38.82	37.38	41.88	.....	.....
7	.....	.....	32.22	40.30	36.58	39.38	35.60	39.90	.....	.....
8	.....	.....	37.79	41.50	36.68	40.05	33.12	36.60	.....	.....
9	.....	.....	39.59	42.25	37.88	40.90	31.20	35.75	.....	.....
10	.....	.....	38.75	41.22	38.19	41.14	30.95	39.67	.....	.....
11	.....	.....	39.08	41.06	34.75	39.68	36.42	39.90	.....	.....
12	38.60	41.53	36.98	40.60	32.77	35.20	37.22	40.88	.....	.....
13	38.45	41.60	33.45	36.96	32.39	39.35	37.51	40.85	.....	57.82
14	38.05	41.01	32.69	42.08	37.20	39.80	36.62	39.09	51.22	59.56
15	37.05	39.53	37.51	41.10	36.10	39.70	32.55	35.50	52.04	59.61
16	31.80	37.37	38.05	40.99	36.09	39.30	31.08	37.35	52.25	58.22
17	31.28	39.81	37.95	40.95	.....	.....	30.95	39.95	52.17	58.87
18	37.89	41.05	37.75	41.93	.....	.....	36.95	41.20	48.66	56.39
19	37.77	41.10	34.12	40.05	.....	.....	37.10	40.42	46.00	52.25
20	37.81	41.41	32.10	34.07	.....	.....	35.00	40.15	44.88	52.61
21	36.75	40.02	31.45	39.87	.....	.....	33.02	39.45	45.95	53.90
22	37.08	40.33	38.02	41.80	.....	.....	32.74	38.58	47.52	57.38
23	36.95	33.00	37.72	41.81	.....	.....	30.71	34.48	49.54	57.31
24	33.70	39.90	36.82	41.66	.....	.....	29.85	37.31	49.95	56.71
25	38.37	41.91	37.16	41.10	.....	.....	32.55	39.10	47.25	49.88
26	39.18	41.83	34.81	38.75	.....	.....	32.82	39.18	43.90	56.05
27	38.35	41.88	32.83	35.02	.....	.....	.....	.....	49.78	56.87
28	39.09	41.56	32.30	39.46	.....	.....	.....	.....	47.20	57.98
29	36.93	41.35	36.74	40.64	.....	.....	.....	.....	50.59	56.86
30	34.20	38.20	.....	.....	.....	.....	.....	.....	46.99	54.22
31	33.10	40.77	.....	.....	.....	.....	.....	.....	.....	.....

Daily high and low water levels, in feet below land-surface datum, 1944
(From recorder charts)

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	46.92	56.41	50.52	58.50	49.51	55.88	36.12	43.60	42.32	46.03	39.24	42.42
2	43.48	51.18	52.01	60.24	51.88	58.05	34.85	45.60	40.99	46.11	39.28	41.01
3	41.78	55.00	50.82	61.12	49.88	57.27	41.72	46.78	41.08	45.98	36.45	40.86
4	43.20	48.80	51.52	58.97	46.55	50.65	42.72	47.00	38.80	43.98	36.23	42.44
5	41.98	56.96	49.52	59.30	46.66	55.29	41.35	45.97	35.20	38.80	38.88	42.14
6	49.84	58.68	48.79	56.70	51.80	53.82	40.20	44.82	35.10	43.31	38.15	42.21
7	50.45	58.19	49.25	58.53	50.35	52.78	38.70	44.98	40.40	46.58	39.38	41.20
8	48.12	57.18	52.42	59.36	50.57	52.72	34.10	38.70	40.65	45.06	38.90	41.60
9	45.15	56.16	52.92	58.66	50.40	55.26	33.70	41.92	40.87	45.15	37.05	41.05
10	45.15	57.80	53.39	60.14	45.89	54.12	39.20	44.15	40.70	44.83	29.65	37.35
11	51.06	59.40	54.24	60.72	46.15	51.50	40.42	45.01	40.87	44.52	29.05	37.71
12	50.58	56.99	53.75	60.96	47.98	52.65	41.95	45.18	33.65	38.25	36.23	40.56
13	49.54	58.16	50.09	57.85	48.40	51.71	42.10	45.03	33.13	43.17	36.55	40.62
14	51.78	59.70	48.18	58.17	46.15	51.82	38.00	44.83	39.64	44.35	38.18	41.88
15	52.30	57.22	52.22	60.86	45.15	52.96	35.28	39.35	38.87	44.22	39.45	41.73
16	45.25	55.46	53.83	60.45	46.51	50.71	35.75	44.80	41.09	44.41	37.25	41.18
17	45.62	58.07	54.18	61.44	38.57	46.51	41.69	46.22	41.14	44.18	32.26	37.25
18	53.32	59.70	53.20	59.11	36.80	49.83	42.03	47.00	41.86	44.31	31.65	40.70
19	50.79	58.74	52.79	58.55	42.96	52.35	42.68	46.31	35.83	43.15	38.44	42.17
20	52.82	55.80	47.48	57.18	44.24	51.10	41.58	46.46	35.25	43.60	38.79	42.77
21	50.75	55.19	47.32	57.35	43.39	47.85	41.27	44.58	39.92	44.07	39.77	43.14
22	51.30	57.88	49.92	57.45	41.88	45.58	37.85	42.33	36.80	44.49	37.98	41.12

83-7-21Ll. City of Cedar Rapids--Continued.

Daily high and low water levels, in feet below land-surface datum, 1944
(From recorder charts)

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
23	49.00	55.93	50.70	56.79	38.70	42.72	38.62	44.70	33.35	36.80	34.10	40.69
24	47.90	57.82	49.82	56.53	33.79	38.70	41.21	45.51	33.09	41.01	30.50	34.10
25	49.35	58.00	48.80	55.95	35.27	44.78	39.20	46.00	36.24	38.68	30.10	31.88
26	48.42	57.68	50.60	54.79	41.09	46.59	41.64	45.60	34.43	38.05	30.09	39.00
27	50.62	58.25	45.25	50.62	40.94	50.71	41.49	45.98	34.91	42.27	37.12	40.90
28	52.24	56.50	44.10	51.70	44.35	48.19	38.25	41.80	39.83	44.26	35.89	41.80
29	50.78	56.91	49.46	56.14	43.82	50.20	36.12	38.25	41.36	43.42	37.84	40.90
30	47.28	55.80	51.35	55.29	43.40	48.88	35.78	44.90	38.75	42.04	35.84	39.32
31	45.82	57.81	50.54	54.16	.....	.....	40.64	45.70	.....	.....	31.30	36.22

83-7-21Pl (*938, p. 28; 946, p. 39; *988, p. 36). Kresge Co. In Cedar Rapids, in SE¼SW¼ sec. 21, T. 83 N., R. 7 W. Water level, in feet below land-surface datum, 1944: Jan. 31, 47.02; Feb. 29, 47.56; Apr. 3, 45.42; Apr. 29, 45.85.

83-7-21Ql (*938, p. 28; 946, p. 39; *988, p. 36). Iowa Theater. In Cedar Rapids, in SW¼SE¼ sec. 21, T. 83 N., R. 7 W. Water levels, in feet below land-surface datum, 1944: Jan. 31, 44.34; Feb. 29, 44.51; Apr. 3, 42.78; Apr. 29, 44.78.

83-7-23Gl (*908, p. 20; 938, p. 29; 946, p. 39; *988, p. 36). City of Cedar Rapids. In Bever Park, Cedar Rapids, in SW¼NE¼ sec. 23, T. 83 N., R. 7 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	3.24	Apr. 29	2.64	July 31	3.00	Oct. 28	2.42
Feb. 29	3.14	May 31	2.10	Aug. 29	2.91	Nov. 30	2.72
Apr. 3	2.76	June 27	2.27	Sept.30	3.17	Dec. 30	2.79

83-7-24Al (*908, p. 20; 938, p. 29; 946, p. 39; *988, p. 37). John Zrudsky. In Cedar Rapids, in NE¼NE¼ sec. 24, T. 83 N., R. 7 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	28.90	Apr. 29	27.14	Aug. 29	28.86	Nov. 30	28.72
Feb. 29	28.51	June 27	26.10	Sept.30	28.32	Dec. 30	28.80
Apr. 3	27.82	July 31	27.99	Oct. 28	29.20		

83-7-28G2 (*908, p. 20; 938, pp. 28-29; 946, pp. 39-40; *988, p. 37). Cedar Rapids Gas Co. In Cedar Rapids, in SW¼NE¼ sec. 28, T. 83 N., R. 7 W. Highest observed water level from recorder charts, 38.06 feet below land-surface datum on Jan. 2; lowest, 64.01 feet below land-surface datum on Aug. 3.

Daily high and low water levels, in feet below land-surface datum, 1944
(From recorder charts)

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	38.48	42.50	43.70	46.90	42.87	45.35	42.18	44.89	40.06	46.35	53.35	63.57
2	38.06	39.20	42.76	46.15	44.65	47.68	41.28	43.80	43.66	47.33	56.97	63.70
3	38.63	42.91	41.90	44.73	45.10	46.82	41.18	46.34	43.28	48.02	56.70	63.70
4	39.75	43.95	41.79	45.51	43.28	45.80	43.11	45.48	43.02	46.24	51.40	60.55
5	40.33	45.55	41.95	45.12	38.85	42.65	42.93	45.35	42.75	45.89	48.73	56.12
6	41.73	45.85	41.55	43.93	38.65	43.78	42.37	45.20	41.31	44.34	51.52	54.32
7	41.45	45.35	38.99	44.01	42.24	44.50	42.00	45.27	39.80	43.36	51.08	54.62
8	42.00	45.48	42.48	45.42	.....	.....	41.53	44.00	39.65	43.15	52.16	55.35
9	41.00	43.32	43.30	45.97	.....	.....	40.35	42.08	41.18	43.97	52.47	55.63
10	40.24	43.83	43.63	45.21	.....	.....	40.34	46.11	40.62	44.59	50.39	54.19
11	41.02	44.98	42.72	45.61	.....	.....	45.35	48.70	42.17	47.83	.....	52.25
12	42.45	44.81	42.02	44.90	41.20	.....	46.28	48.10	43.60	47.15	.....	.....
13	42.15	45.38	41.96	44.00	41.19	45.53	45.96	46.84	43.90	50.49	.....	.....
14	41.89	44.02	41.57	44.97	42.05	44.80	45.26	46.39	46.91	50.20	.....	.....
15	39.90	43.76	43.80	45.87	41.03	44.30	40.97	44.07	46.88	56.85	.....	.....

83-7-28G2. Cedar Rapids Gas Co.--Continued.

Daily high and low water levels, in feet below land-surface datum, 1944
(From recorder charts)

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
16	39.35	42.78	42.60	45.46	42.43	44.54	39.85	42.20	50.18	60.25	.....	.....
17	38.90	43.43	41.79	44.92	42.00	44.62	39.70	43.90	54.28	61.50	.....	.....
18	40.13	43.90	43.45	46.55	41.23	45.72	41.53	44.03	54.97	61.00	49.38	.....
19	40.72	43.92	42.69	45.46	42.35	44.30	41.40	43.50	53.25	58.95	47.59	52.28
20	41.47	45.49	39.55	44.50	41.58	45.08	41.08	43.74	52.55	58.95	49.19	54.09
21	40.62	44.53	39.08	43.55	42.87	45.51	41.04	43.51	50.60	58.30	51.76	55.04
22	40.58	43.07	41.13	43.85	43.49	45.35	39.74	44.72	48.97	57.73	52.47	60.90
23	40.61	42.83	42.50	47.06	42.66	45.75	39.24	43.75	52.22	57.50	54.65	61.75
24	41.73	44.26	45.67	49.75	43.46	44.83	39.17	44.07	51.11	57.38	54.30	61.43
25	40.90	45.42	46.72	48.43	41.77	44.00	41.45	44.96	50.86	55.49	50.60	60.50
26	41.99	45.64	44.50	47.28	41.98	43.98	41.96	44.24	51.50	57.35	49.65	60.70
27	42.85	47.33	40.86	45.50	41.62	44.02	41.98	44.91	50.90	57.10	55.00	63.53
28	42.70	47.26	40.03	45.23	42.37	45.42	42.45	44.75	50.75	56.50	56.23	63.45
29	41.73	45.66	42.83	45.03	43.63	46.95	41.48	45.59	50.03	59.30	56.45	62.45
30	39.65	41.74	.....	.....	44.02	46.80	40.20	43.70	51.58	58.93	55.63	61.35
31	39.37	45.22	.....	.....	43.87	45.68	.....	.....	49.07	59.85	.....	.....

Daily high and low water levels, in feet below land-surface datum, 1944
(From recorder charts)

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	54.07	60.42	54.71	62.22	53.96	56.90	48.15	52.40	50.50	52.65	47.25	48.99
2	49.58	59.60	56.05	63.45	54.41	58.82	48.05	54.82	50.52	52.70	46.13	48.83
3	47.25	59.22	56.60	64.01	.....	.....	49.85	53.51	50.90	52.80	44.60	46.13
4	53.14	59.18	57.20	63.29	.....	.....	56.97	51.28	50.65	51.88	44.78	48.13
5	52.79	61.35	56.20	62.32	.....	.....	52.12	54.74	47.85	50.62	46.58	48.31
6	55.51	62.38	52.15	59.70	.....	.....	52.09	54.82	47.72	50.40	46.81	48.19
7	55.95	62.32	52.15	62.03	.....	.....	51.56	53.75	49.53	52.25	46.26	47.86
8	55.02	61.80	55.12	63.11	.....	.....	48.29	51.50	50.33	52.50	46.28	48.52
9	50.30	61.30	55.95	63.13	.....	.....	48.15	52.16	50.13	52.38	47.32	48.80
10	49.08	60.34	56.52	64.25	50.30	56.07	50.94	53.70	50.24	52.28	45.42	47.30
11	54.46	62.56	57.20	63.88	48.65	53.58	51.30	54.41	48.70	51.30	45.40	47.02
12	56.20	61.67	57.15	63.02	52.03	55.29	52.09	53.96	45.28	48.70	45.19	47.75
13	55.53	62.52	51.85	59.65	53.52	55.38	51.74	54.55	45.20	48.91	45.98	48.50
14	55.88	61.85	50.67	61.58	53.81	57.75	51.40	53.97	47.22	50.12	46.51	48.75
15	55.55	62.05	55.06	63.42	52.89	55.42	48.74	51.40	47.65	52.69	46.80	51.62
16	50.15	59.75	56.69	63.40	52.85	56.92	48.52	52.48	47.58	49.95	48.77	51.76
17	48.22	59.86	56.35	62.85	50.60	56.25	50.58	55.33	48.15	50.00	46.60	48.77
18	54.50	61.72	56.81	62.65	47.31	56.64	50.62	53.65	47.10	49.05	46.52	49.95
19	55.91	62.72	56.60	62.15	53.70	59.04	51.45	54.32	45.45	47.10	46.85	50.82
20	56.13	59.79	51.05	61.50	54.95	58.33	51.76	54.00	45.45	49.40	46.48	51.25
21	53.86	60.16	49.55	60.63	53.73	57.63	51.05	53.59	47.88	50.53	48.38	50.20
22	53.73	60.73	55.05	62.29	52.52	55.95	48.55	51.75	48.54	50.60	47.43	50.05
23	49.80	58.00	55.87	62.11	46.87	52.55	48.55	52.97	45.78	49.20	48.43	50.50
24	48.38	59.60	55.89	62.03	41.75	46.87	50.95	53.42	45.68	48.31	43.13	48.42
25	53.95	61.85	55.12	61.28	41.28	50.99	51.08	54.10	45.98	47.42	42.08	44.10
26	56.12	62.50	54.48	57.83	49.36	52.74	51.30	54.23	44.70	45.97	43.65	46.88
27	56.03	62.66	48.15	57.30	50.88	55.55	51.13	53.40	44.58	49.60	40.52	45.75
28	56.51	62.03	47.95	53.53	52.50	55.20	49.75	51.83	46.36	50.12	40.13	42.85
29	54.69	59.25	51.86	57.12	51.75	54.59	47.32	49.80	46.43	49.42	38.65	40.81
30	50.91	58.00	54.12	57.75	51.68	54.05	47.34	54.27	46.38	48.65	.....	39.29
31	49.15	60.62	54.09	58.92	.....	.....	50.00	51.92	.....	.....	.....	.....

83-7-32G1 (*908, p. 21; 938, pp. 29-30; 946, p. 41; 988, p. 38).
Floyd Felter. In Cedar Rapids, in SW¼NE¼ sec. 32, T. 83 N., R. 7 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	78.53	Apr. 29	77.12	July 31	78.67	Oct. 30	80.47
Feb. 29	79.20	May 31	77.99	Aug. 29	79.36	Nov. 30	79.34
Apr. 3	78.04	June 27	77.66	Sept.30	79.90	Dec. 30	80.20

83-7-33F1 (*908, p. 21; 938, p. 30; 946, p. 41; *988, p. 38). In Cedar Rapids, in SE¼NW¼ sec. 33, T. 83 N., R. 7 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	70.65	Apr. 29	70.97	July 31	68.19	Oct. 28	70.17
Feb. 29	70.92	May 31	70.40	Aug. 29	68.25	Nov. 30	69.28
Apr. 3	71.00	June 27	69.47	Sept.30	68.88	Dec. 30	70.59

83-6-30B1 (*908, pp. 21-22; 938, p. 30; 946, p. 41; *988, p. 38). Mr. Katz. In Cedar Rapids, in NW¼NE¼ sec. 30, T. 83 N., R. 6 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	51.24	Apr. 29	50.00	Sept.30	50.20	Nov. 30	50.25
Feb. 29	50.96	July 31	49.02	Oct. 28	50.60	Dec. 30	50.90
Apr. 3	50.36	Aug. 29	49.68				

Lyon County

99-43-11H1 (*908, p. 22; 938, p. 31; 946, p. 41; *988, p. 38). SE¼NE¼ sec. 11, T. 99 N., R. 43 W. Water levels, in feet below land-surface datum, 1944: Mar. 28, 3.00; July 24, 2.13; Oct. 1, 2.97; Dec. 19, 2.57.

98-48-24M1 (*886, p. 118; 908, p. 22; 938, p. 31; 946, p. 41; *988, p. 39). A. C. Hanson. NW¼SW¼ sec. 24, T. 98 N., R. 48 W. No measurements made in 1944.

Madison County

76-28-2B1 (*908, p. 22; 938, p. 31; 946, p. 41; *988, p. 39). Glen Newton. NW¼SE¼ sec. 2, T. 76 N., R. 28 W. Water levels, in feet below land-surface datum, 1944: Mar. 22, 16.74; July 21, 14.89; Sept. 27, 15.56.

Marion County

75-20-22H1 (*908, p. 22; 938, p. 31; 946. p. 42; *988, p. 39). Union Central Life Insurance Co. SE¼NE¼ sec. 22, T. 75 N., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 2.19; July 20, 4.28; Sept. 26, 4.24; Dec. 29, 4.65.

75-20-31C2 (*908, p. 23; 938, p. 31; 946, p. 42; *988, p. 39). Miss Amanda Elliot. NE¼NW¼ sec. 31, T. 75 N., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 7.17; July 20, 4.82; Sept. 26, 8.81; Dec. 29, 11.22.

74-21-11A1 (*946, p. 42; *988, p. 39). Mr. Riddel. NE¼NE¼ sec. 11, T. 74 N., R. 21 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 7.25; July 20, 8.98; Sept. 26, 8.89; Dec. 29, 12.25.

74-21-15H1 (*946, p. 42; *988, p. 39). SE¼NE¼ sec. 15, T. 74 N., R. 21 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 2.80; July 20, 5.20; Sept. 27, 13.20; Dec. 29, 13.46.

74-20-2M1 (*908, p. 23; 938, p. 32; 946, p. 42; *988, p. 39). Iowa Highway Commission. NW¼SW¼ sec. 2, T. 74 N., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 3.34; July 21, 3.17.

74-20-16M1 (*908, p. 23; 938, p. 32; 946, p. 43; *988, p. 40). C. Wendall. NW¼SW¼ sec. 16, T. 74 N., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 21.05; July 20, 17.00; Sept. 27, 18.25; Dec. 29, 19.50.

74-20-22C1 (*946, p. 43; *988, p. 40). Grant DeWitt. NE¼NW¼ sec. 22, T. 74 N., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 9.65; July 21, 8.68; Sept. 27, 12.35; Dec. 29, 13.53.

74-20-33D1 (*908, p. 23; 938, p. 32; 946, p. 43; *988, p. 40). T. V. Beebout. NW¼NW¼ sec. 33, T. 74 N., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 15.07; July 21, 7.05; Sept. 27, 10.70; Dec. 29, 12.12.

Montgomery County

71-36-21R1 (*946, p. 43; *988, p. 40). City of Villisca well 1. In Villisca, in SE¼SE¼ sec. 21, T. 71 N., R. 36 W. Measurements made by C. J. Sandquist, water superintendent, except on Mar. 27, which was made by Geological Survey. Wells 2 and 3 pumping at time of each measurement. Water levels, in feet below land-surface datum, 1944: Mar. 27, 18.18; May 16, 7.60; July 20, 10.30.

Tarkio Creek area

(Wells in the Tarkio Creek area are numbered consecutively beginning with 1; measurements made by D. L. Hummel.)

7 (*777, pp. 63-64; *817, pp. 56, 57-59; 840, pp. 91, 94-95; 845, pp. 86-87; 886, p. 122; 908, p. 36; 938, p. 39; 946, p. 55; *988, p. 40). E. F. Holquist. SE¼SE¼ sec. 11, T. 71 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	25.15	Apr. 28	4.95	July 29	15.95	Oct. 25	20.59
Feb. 26	24.70	May 22	8.33	Aug. 28	18.60	Nov. 29	21.58
Mar. 29	21.70	June 22	7.53	Sept.25	20.54	Dec. 18	21.61

72 (*840, pp. 93, 98-99; 845, p. 92; 886, p. 133; 908, p. 36; 938, p. 45; 946, p. 55; *988, p. 40). O. A. Milner. SE¼SW¼ sec. 24, T. 72 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	12.83	Apr. 28	2.01	July 29	5.34	Nov. 27	10.26
Feb. 26	12.37	May 22	2.51	Aug. 24	8.05	Dec. 22	9.67
Mar. 29	8.26	June 22	3.70	Sept.26	10.34		

73 (*840, pp. 93, 98-99; 845, p. 92; 886, p. 133; 908, p. 36; 938, p. 46; 946, p. 55; *988, p. 40). NW¼NW¼ sec. 25, T. 72 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	18.30	Apr. 28	6.65	July 29	13.93	Oct. 25	14.76
Feb. 26	15.03	May 22	9.68	Aug. 24	14.44	Nov. 29	15.35
Mar. 29	1.63	June 22	10.19	Sept.26	14.84	Dec. 22	15.43

78 (*840, pp. 93, 98-99; 845, p. 92; 886, p. 134; 908, p. 36; 938, p. 46; 946, p. 55; *988, p. 41). Mr. Mainquist. NW¼NE¼ sec. 35, T. 71 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	5.73	Apr. 28	1.84	July 29	4.34	Oct. 24	6.47
Feb. 26	6.62	May 22	2.00	Aug. 24	5.89	Nov. 27	6.89
Mar. 29	5.12	June 22	2.78	Sept.25	6.17	Dec. 22	6.75

79 (*840, pp. 93, 98-99; 845, p. 92; 886, p. 134; 908, p. 36; 938, p. 46; 946, p. 55; *988, p. 41). SW¼NW¼ sec. 35, T. 71 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Mar. 29	11.89	June 22	5.65	Sept.25	10.32	Nov. 27	13.53
Apr. 28	4.34	July 29	8.04	Oct. 25	11.00	Dec. 22	14.03
May 22	3.95	Aug. 24	9.21				

81 (*840, pp. 93, 98-99; 845, p. 92; 886, p. 135; 908, p. 37; 938, p. 46; 946, p. 56; *988, p. 41). L. G. Bergren. NW¼NE¼ sec. 24, T. 71 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	9.06	Apr. 28	4.38	July 29	8.18	Nov. 27	7.08
Feb. 26	7.51	May 22	6.42	Aug. 24	8.33	Dec. 22	7.02
Mar. 28	7.64	June 22	4.93	Oct. 25	7.08		

82 (*840, pp. 93, 98-99; 845, p. 92; 886, p. 135; 908, p. 37; 938, p. 47; 946, p. 56; *988, p. 41). NW¼NW¼ sec. 29, T. 72 N., R. 37 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	27.17	Apr. 25	12.24	July 29	10.19	Oct. 25	14.07
Feb. 26	23.06	May 22	9.37	Aug. 24	12.28	Nov. 29	16.23
Mar. 29	20.42	June 26	6.18	Sept.25	14.68	Dec. 22	16.48

Muscatine County

76-2-14D1 (*886, p. 118; 908, p. 24; 938, p. 32; 946, p. 45; *988, p. 41). City of Muscatine test well 4. In Muscatine, in NW¼NW¼ sec. 14, T. 76 N., R. 2 W. Water level, in feet below land-surface datum, 1944: June 29, 4.49.

76-2-15A1 (*908, p. 24; 938, p. 32; 946, p. 45; *988, p. 41). City of Muscatine test well 5. In Muscatine, in NE¼NE¼ sec. 15, T. 76 N., R. 2 W. Water level, in feet below land-surface datum, 1944: June 29, 2.97.

O'Brien County

94-40-22G1 (*946, p. 44; *988, p. 42). A. F. Meier. SW¼NE¼ sec. 22, T. 94 N., R. 40 W. Well abandoned; measurements discontinued.

Osceola County

99-41-18C2 (*908, p. 24; 938, p. 33; 946, p. 44; *988, p. 42). City of Sibley. NE¼NW¼ sec. 18, T. 99 N., R. 41 W. Water levels, in feet below land-surface datum, 1944: July 24, 7.00; Oct. 1, 7.00; Dec. 19, 8.39.

Page County

69-36-31K1 (*908, p. 24; 938, p. 33; 946, p. 44; *988, p. 42). City of Clarinda. NW¼SW¼ sec. 31, T. 69 N., R. 36 W. Highest observed water level, from recorder charts, 13.35 feet below land-surface datum at noon on May 5; lowest, 21.44 feet below land-surface datum at noon on Dec. 1.

Water level at noon, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.94	20.95	20.50	18.75	14.52	15.79	17.84	20.16	19.33	20.82	20.61	21.44
2	20.84	20.64	20.21	19.07	14.35	15.90	17.89	19.97	19.38	20.76	20.68	21.38
3	20.84	20.77	20.18	18.96	13.51	15.93	18.15	19.92	19.59	20.54	21.02	21.21
4	20.97	20.78	20.24	18.88	13.44	16.16	18.29	19.97	19.74	20.32	21.10	21.11
5	21.07	20.63	20.15	19.00	13.35	16.29	18.36	20.10	19.78	20.17	20.98	20.89
6	21.01	20.84	19.97	18.72	13.41	16.49	18.33	20.13	19.94	20.34	20.80	20.73
7	21.31	20.72	20.12	18.68	13.41	16.41	18.40	20.15	20.03	20.53	20.61	20.58
8	21.21	20.80	20.24	18.80	13.41	16.25	18.63	20.21	19.97	20.41	20.71	20.58
9	20.88	20.92	20.30	18.81	13.57	16.15	18.75	20.26	19.83	20.36	19.87	20.65
10	20.81	20.74	19.89	18.92	13.76	16.04	18.79	20.22	19.97	20.37	20.03	20.64
11	21.15	21.17	19.69	18.58	13.92	15.85	18.78	20.26	20.08	20.29	19.90	20.60
12	21.34	21.13	19.87	18.66	14.00	15.73	19.06	20.45	20.03	20.32	19.90	20.49
13	21.32	20.79	19.65	18.28	14.32	15.77	19.13	20.44	20.07	20.23	19.82	20.54

69-36-31K1. City of Clarinda--Continued.

Water level at noon, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
14	20.96	20.57	19.39	17.73	14.43	15.95	19.12	20.54	20.14	20.33	19.84	20.46
15	20.85	21.00	19.35	17.86	14.59	16.00	19.24	20.58	20.19	20.68	20.09	20.30
16	21.12	20.82	19.06	18.26	14.85	16.12	19.31	20.65	20.36	20.67	21.39	20.38
17	21.16	20.73	18.82	18.21	15.21	16.30	19.25	20.74	20.41	20.51	21.38	20.43
18	20.99	21.15	19.00	18.01	15.16	16.49	19.41	20.78	20.43	20.33	21.27	20.52
19	21.05	21.07	18.86	17.85	15.33	16.65	19.52	20.69	20.40	20.52	21.12	20.63
20	21.01	20.80	18.67	17.34	15.58	16.62	19.61	20.69	20.26	20.49	21.12	20.33
21	21.15	20.77	18.83	17.17	15.62	16.54	19.67	20.62	20.47	20.62	21.27	20.80
22	21.00	20.49	18.68	15.97	15.65	16.67	19.62	20.59	20.53	20.67	21.00	20.51
23	21.16	20.58	18.58	14.80	15.93	16.97	19.59	20.58	20.53	20.47	21.09	20.68
24	20.81	20.56	18.33	14.53	16.14	17.14	19.72	20.66	20.59	20.54	21.09	20.50
25	20.98	20.28	18.75	14.57	16.19	17.10	19.73	20.55	20.50	20.64	20.99	20.71
26	21.20	20.27	18.64	14.50	16.33	17.17	19.77	20.08	20.38	20.84	21.10	20.83
27	20.88	20.72	18.81	14.58	16.20	17.38	19.94	19.75	20.41	20.90	21.23	.....
28	21.15	20.55	18.88	14.56	15.97	17.78	20.05	19.60	20.62	20.73	21.15	.....
29	21.07	20.64	18.61	14.35	15.76	17.94	20.01	19.33	20.62	20.68	21.18	20.46
30	20.86	.....	18.60	14.27	15.70	17.93	20.20	19.21	20.53	20.62	21.33	20.46
31	20.94	.....	18.58	.....	15.69	.....	20.21	19.35	.....	20.59	.....	20.67

5 (*777, pp. 63, 64; *817, pp. 56-59; *840, pp. 91, 93-94; 845, p. 86; 886, p. 122; 908, p. 31; 938, p. 39; 946, p. 56; *988, p. 42). John Toft. SW¼SW¼ sec. 7, T. 68 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	15.98	Apr. 25	3.40	July 29	12.34	Oct. 24	14.72
Feb. 25	14.65	May 22	7.22	Aug. 28	13.52	Nov. 27	15.67
Mar. 28	13.33	June 22	7.59	Sept.26	14.78	Dec. 22	15.72

6 (*777, pp. 63-64; *817, pp. 56-59; *840, pp. 91, 94-95; 845, pp. 86-87; 886, p. 122; 908, p. 31; 938, p. 39; 946, p. 56; *988, p. 43). T. Slickerveer. SW¼SW¼ sec. 18, T. 69 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	4.05	Apr. 25	0.94	July 29	2.98	Oct. 25	3.34
Feb. 26	2.82	May 22	1.63	Aug. 24	3.47	Nov. 29	3.38
Mar. 28	2.23	June 25	2.11	Sept.25	3.56	Dec. 18	3.42

10 (*777, pp. 63-65; *817, pp. 56-59; *840, pp. 91, 94-95; 845, pp. 86-87; 886, p. 123; 908, p. 31; 938, p. 39; 946, p. 56; *988, p. 43). R. Palmquist. NE¼SE¼ sec. 17, T. 70 N., R. 37 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	25.83	Apr. 27	13.25	July 29	21.73	Oct. 25	24.55
Feb. 26	25.94	May 22	15.98	Aug. 28	23.68	Nov. 29	24.91
Mar. 29	24.64	June 22	15.80	Sept.25	23.24	Dec. 18	25.01

11 (*777, pp. 64-65; *817, pp. 56, 59-61; *840, pp. 91, 94-95; 845, pp. 86-87; 886, p. 123; 908, p. 31; 938, p. 40; 946, p. 56; *988, p. 43). R. Palmquist. SE¼SE¼ sec. 17, T. 70 N., R. 37 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	7.24	Apr. 28	2.77	July 29	7.01	Oct. 25	7.74
Feb. 26	7.69	May 22	5.36	Aug. 24	7.51	Nov. 29	7.97
Mar. 29	6.33	June 25	5.36	Sept.25	7.46	Dec. 18	7.00

12 (*777, pp. 64-65; *817, pp. 56, 59.61; *840, pp. 92, 94-95; 845, pp. 86-87; 886, p. 123; 908, p. 31; 938, p. 40; 946, p. 57; *988, p. 43). Amil Windhorst. NW¼SW¼ sec. 20, T. 69 N., R. 37 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	25.64	Apr. 27	17.50	July 29	15.49	Oct. 25	19.27
Feb. 26	27.17	May 22	15.83	Aug. 24	17.69	Nov. 29	20.16
Mar. 28	28.13	June 25	12.39	Sept.25	18.97	Dec. 18	20.56

13 (*817, pp. 57, 59.61; *840, pp. 92, 94-95; 845, pp. 86-87; 886, p. 123; 908, p. 31; 938, p. 40; 946, p. 57; *988, p. 43). Amil Windhorst. NW¼SW¼ sec. 20, T. 69 N., R. 37 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	27.75	Apr. 27	14.78	July 29	14.73	Oct. 25	17.14
Feb. 26	50.94	May 22	14.70	Aug. 24	16.03	Nov. 29	17.75
Mar. 28	48.98	June 22	13.05	Sept.25	16.80	Dec. 18	18.20

14 (*777, pp. 64-65; *817, pp. 57, 59-61; *840, pp. 92-94; 845, p. 86; 886, p. 123; 908, p. 31; 938, p. 14; 946, p. 57; *988, p. 43). Floyd Hoskins. SE¼SE¼ sec. 19, T. 68 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	25.54	Apr. 25	20.17	July 26	14.12	Oct. 24	18.17
Feb. 25	26.02	May 22	10.21	Aug. 28	15.92	Nov. 27	20.60
Mar. 27	23.44	June 22	8.96	Sept.26	17.10	Dec. 18	20.53

15 (*777, pp. 64-65; *817, pp. 57, 59.61; *840, pp. 92-94, 845, p. 86; 886, p. 124; 908, p. 32; 938, p. 40; 946, p. 57; *988, p. 43). Metropolitan Life Insurance Co. NE¼NW¼ sec. 21, T. 67 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	7.94	Apr. 25	0.50	July 26	4.65	Oct. 24	4.67
Feb. 25	4.60	May 22	2.16	Aug. 28	3.75	Nov. 27	5.37
Mar. 27	3.56	June 22	2.34	Sept.26	4.66	Dec. 18	5.07

16 (*777, pp. 64-65; *817, pp. 57, 59-61; *840, pp. 92-94; 845, p. 86; 886, p. 124; 908, p. 32; 938, p. 40; 946, p. 57; *988, p. 44). Metropolitan Life Insurance Co. NE¼SE¼ sec. 20, T. 67 N., R. 38 W. Well destroyed after Oct. 24; measurements discontinued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
May 22	8.10	July 26	13.56	Sept.26	15.50
June 22	8.56	Aug. 28	14.54	Oct. 24	15.62

17 (*777, pp. 64-65; *817, pp. 57, 59-61; *840, pp. 92-94; 845, p. 86; 886, p. 124; 908, p. 32; 938, p. 40; 946, p. 57; *988, p. 44). Albert Nordholm. SW¼SE¼ sec. 20, T. 67 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	18.37	Apr. 25	11.55	July 26	15.55	Oct. 24	17.17
Feb. 25	17.93	May 22	12.35	Aug. 28	16.56	Nov. 27	17.50
Mar. 27	16.73	June 22	13.88	Sept.26	17.03	Dec. 22	17.30

38 (*840, pp. 92, 96-97; 845, pp. 89-90; 886, p. 128; 908, p. 32; 938, p. 42; 946, p. 58; *988, p. 44). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	23.57	Apr. 25	19.60	July 26	14.02	Oct. 24	13.78
Feb. 25	24.34	May 24	11.20	Aug. 28	16.13	Nov. 27	18.70
Mar. 29	24.16	June 22	9.83	Sept.26	17.92	Dec. 22	18.78

39 (*840, pp. 92, 96-97; 845, pp. 89-90; 886, p. 128; 908, p. 32; 938, p. 42; 946, p. 58; *988, p. 44). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	22.49	Apr. 25	9.53	July 29	12.82	Oct. 24	16.04
Feb. 25	23.24	May 24	9.09	Aug. 28	15.00	Nov. 27	17.28
Mar. 29	24.36	June 22	8.37	Sept.26	16.58	Dec. 22	17.02

41 (*840, pp. 92, 96-97; 845, pp. 89-90; 886, p. 128; 908, p. 32; 938, p. 43; 946, p. 58; *988, p. 44). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W. Well destroyed; measurements discontinued after July 26.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	20.98	Mar. 29	18.79	May 24	6.23	July 26	10.99
Feb. 25	21.77	Apr. 25	4.16	June 22	5.07		

42 (*840, pp. 92, 96-97; 845, pp. 89-90; 886, p. 129; 908, p. 32; 938, p. 43; 946, p. 58; *988, p. 44). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	21.97	Apr. 25	4.44	July 29	8.73	Oct. 24	13.27
Feb. 25	22.34	May 24	6.32	Aug. 28	13.74	Nov. 27	14.38
Mar. 29	18.79	June 22	5.94	Sept.26	15.10	Dec. 1	14.39

43 (*840, pp. 92, 96-97; 845, pp. 89-90; 886, p. 129; 908, p. 33; 938, p. 43; 946, p. 58; *988, p. 45). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	18.70	Apr. 25	2.79	July 26	8.06	Oct. 24	11.39
Feb. 25	19.05	May 24	4.18	Aug. 28	11.66	Nov. 27	12.74
Mar. 29	17.96	June 22	4.06	Sept.26	13.13	Dec. 22	13.08

44 (*840, pp. 92, 96-97; 845, pp. 89-90; 886, p. 129; 908, p. 33; 938, p. 43; 946, pp. 58-59; *988, p. 45). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	18.33	Apr. 25	2.20	July 29	7.69	Oct. 24	10.10
Feb. 25	18.82	May 24	3.68	Aug. 28	11.52	Nov. 27	12.43
Mar. 29	12.15	June 22	3.80	Sept.26	12.20	Dec. 22	16.10

44A (*840, p. 130; 908, p. 33; 938, p. 43; 946, p. 59; *988, p. 45). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	18.42	Apr. 25	2.79	Aug. 28	11.96	Nov. 27	12.73
Feb. 25	19.02	May 24	3.49	Sept.26	13.09	Dec. 22	12.11
Mar. 29	11.27	June 22	4.74	Oct. 24	10.14		

45 (*840, pp. 92, 96-97; 845, pp. 89-90; 886, p. 130; 908, p. 33; 938, p. 43; 946, p. 59; *988, p. 45). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W. Well destroyed after July 26; measurements discontinued.

Water level, in feet below land-surface datum, 1944

Jan. 25	18.01	Mar. 29	9.22	May 24	3.79	July 26	7.28
Feb. 25	18.36	Apr. 25	2.08	June 22	3.99		

47 (*840, pp. 92, 96-97; 845, pp. 89-90; 886, p. 130; 908, p. 33; 938, p. 44; 946, p. 59; *988, p. 45). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	15.22	Apr. 25	1.52	July 26	5.99	Oct. 24	6.10
Feb. 25	15.46	May 24	3.20	Aug. 28	8.55	Nov. 27	9.25
Mar. 29	7.00	June 22	2.81	Sept.26	5.80	Dec. 22	8.98

49 (*840, pp. 92, 97; 845, p. 90; 886, p. 131; 908, p. 33; 938, p. 44; 946, p. 59; *988, p. 45). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	23.19	Apr. 25	14.36	July 26	14.47	Oct. 24	17.50
Feb. 25	24.13	May 24	11.09	Aug. 28	17.19	Nov. 27	18.13
Mar. 29	21.63	June 22	9.50	Sept.26	17.93	Dec. 22	17.56

50 (*840, pp. 92, 97; 845, p. 90; 886, p. 131; 908, p. 34; 938, p. 44; 946, pp. 59, 60; *988, p. 46). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W. Well destroyed after July 26; measurements discontinued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	21.33	Mar. 29	21.63	May 24	6.96	July 26	11.99
Feb. 25	22.16	Apr. 25	8.60	June 22	6.09		

51 (*840, pp. 92, 97; 845, p. 90; 886, p. 131; 908, p. 34; 938, p. 44; 946, p. 60; *988, p. 46). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	20.60	Apr. 25	11.55	July 26	16.63	Oct. 24	13.77
Feb. 25	21.92	May 24	6.37	Aug. 28	12.87	Nov. 27	14.08
Mar. 29	21.60	June 22	5.80	Sept.26	15.14	Dec. 22	13.70

52 (*840, pp. 92, 97; 845, p. 90; 886, p. 131; 908, p. 34; 938, p. 44; 946, p. 60; *988, p. 46). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	24.49	Apr. 25	9.19	July 26	11.05	Oct. 24	14.82
Feb. 25	25.28	May 24	6.96	Aug. 28	13.64	Nov. 27	15.77
Mar. 29	25.73	June 22	6.00	Sept.26	15.24	Dec. 22	15.31

56 (*840, pp. 93, 97; 845, p. 90; 886, p. 132; 908, p. 34; 938, p. 45; 946, p. 60; *988, p. 46). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W. Well destroyed; measurements discontinued.

57 (*840, pp. 93, 97; 845, p. 90; 886, p. 132; 908, p. 34; 938, p. 45; 946, p. 69; *988, p. 46). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 35 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	18.20	Apr. 25	2.04	July 26	6.24	Oct. 24	7.63
Feb. 25	18.97	May 24	3.56	Aug. 28	7.75	Nov. 27	11.17
Mar. 29	16.26	June 22	3.65	Sept.26	10.46	Dec. 22	9.67

58 (*840, pp. 93, 97; 845, p. 90; 886, p. 132; 908, p. 34; 938, p. 45; 946, p. 61; *988, p. 47). Elsie Nordstrom. NW¼NE¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	14.06	Apr. 25	7.07	July 26	10.22	Oct. 24	11.43
Feb. 25	13.37	May 24	9.00	Aug. 28	10.64	Nov. 27	11.65
Mar. 29	12.54	June 22	6.49	Sept.26	11.77	Dec. 22	11.16

59 (*840, pp. 97-98; 845, p. 91; 886, p. 132; 908, p. 34; 938, p. 45; 946, p. 61; *988, p. 47). Frank Goodner. SE¼SE¼ sec. 25, T. 69 N., R. 39 W. Well abandoned; measurements discontinued.

70 (*840, pp. 93, 90; 845, p. 91; 886, p. 133; 908, p. 34; 938, p. 45; 946, p. 61; *988, p. 47). John Snyder. SE¼NE¼ sec. 30, T. 69 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	9.36	Apr. 25	1.07	July 26	6.33	Oct. 24	6.91
Feb. 25	4.02	May 24	3.36	Aug. 28	4.48	Nov. 27	7.07
Mar. 28	2.98	June 28	3.20	Sept.26	6.99	Dec. 22	5.76

71 (*840, pp. 93, 98; 845, p. 91; 886, p. 133; 908, p. 35; 938, p. 45; 936, p. 61; *988, p. 47). John Snyder. SE¼NE¼ sec. 30, T. 69 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	7.58	Apr. 25	1.16	July 26	6.33	Oct. 24	6.32
Feb. 25	5.06	May 24	4.20	Aug. 28	5.23	Nov. 27	6.51
Mar. 28	6.56	June 22	3.79	Sept.26	6.30	Dec. 22	6.40

74 (*840, pp. 93, 98; 845, p. 91; 886, p. 133; 908, p. 35; 938, p. 46; 946, p. 61; *988, p. 47). Fred Miller. SE¼NW¼ sec. 33, T. 69 N., R. 38 W. Water level, in feet below land-surface datum, 1944: Jan. 25, 21.73. Well destroyed after Jan. 25; measurements discontinued.

75 (*840, pp. 93, 98; 845, p. 91; 886, p. 134; 908, p. 35; 938, p. 46; 946, p. 61; *988, p. 47). I. W. Runyon. NW¼SE¼ sec. 17, T. 68 N., R. 38 W. Water levels, in feet below land-surface datum, 1944: Jan. 25, 38.84; Feb. 25, 35.93. Well destroyed after Feb. 25; measurements discontinued.

76 (*840, pp. 93, 98; 845, p. 91; 886, p. 134; 908, p. 35; 938, p. 46; 946, p. 61; *988, p. 47). Metropolitan Life Insurance Co. SE¼SW¼ sec. 29, T. 68 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	12.61	Apr. 25	8.67	July 26	11.60	Oct. 25	12.16
Feb. 25	12.39	May 24	8.74	Aug. 28	11.73	Nov. 29	12.35
Mar. 24	12.47	June 22	7.85	Sept.26	12.13	Dec. 22	12.03

80 (*840, pp. 93, 98; 845, p. 92; 886, p. 135; 908, p. 35; 938, p. 46; 946, p. 62; *988, p. 47). Mr. Burton. NW¼NE¼ sec. 34, T. 69 N., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	31.58	Apr. 25	13.24	July 29	18.95	Oct. 25	23.33
Feb. 26	28.04	May 22	15.54	Aug. 24	20.32	Nov. 29	25.14
Mar. 29	28.86	June 25	14.22	Sept.25	21.52	Dec. 22	25.84

83 (*886, p. 135; 908, p. 35; 938, p. 47; 946, p. 62; *988, p. 48). Elsie Nordstrom. NW¼NW¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	24.90	Apr. 25	16.82	July 29	15.75	Oct. 24	18.52
Feb. 25	25.72	May 24	13.70	Aug. 28	17.73	Nov. 27	18.66
Mar. 29	24.42	June 22	14.04	Sept.26	18.50	Dec. 22	19.60

84 (*886, p. 136; 908, p. 35; 938, p. 47; 946, p. 62; *988, p. 48). Elsie Nordstrom. NW¼NW¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	23.74	Apr. 25	15.41	July 26	15.49	Oct. 24	17.90
Feb. 25	24.34	May 24	13.39	Aug. 28	17.12	Nov. 27	18.66
Mar. 29	22.63	June 22	13.19	Sept.26	17.84	Dec. 22	18.93

85 (*886, p. 136; 908, p. 35; 938, p. 47; 946, p. 62; *988, p. 48). Elsie Nordstrom. NW¼NW¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	20.96	Apr. 25	10.27	July 26	13.04	Oct. 24	16.36
Feb. 25	21.33	May 24	10.65	Aug. 28	14.54	Nov. 27	16.04
Mar. 29	18.89	June 22	10.77	Sept.26	15.22	Dec. 22	16.39

86 (*886, p. 136; 908, p. 36; 938, p. 47; 946, p. 62; *988, p. 48). Elsie Nordstrom. NW¼NW¼ sec. 25, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	17.83	Apr. 25	7.86	July 26	10.28	Oct. 24	12.40
Feb. 25	17.99	May 24	7.87	Aug. 28	11.65	Nov. 27	12.98
Mar. 29	15.43	June 22	8.20	Sept.26	12.17	Dec. 27	13.36

87 (*886, p. 137; 908, p. 36; 938, p. 47; 946, p. 62; *988, p. 48). Elsie Nordstrom. NW¼NW¼ sec. 35, T. 69 N., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	16.83	Apr. 25	3.45	July 26	6.26	Oct. 24	7.81
Feb. 25	12.93	May 24	3.64	Aug. 28	7.14	Nov. 27	8.48
Mar. 29	9.90	June 22	4.12	Sept.26	7.47	Dec. 27	8.90

Palo Alto County

Vicinity of Lost Island Lake

97-34-29N1 (*908, p. 24; 938, p. 33; 946, p. 45; *988, p. 48). SW¼SW¼ sec. 29, T. 97 N., R. 34 W. Water levels, in feet below land-surface datum, 1944: July 23, 1.36; Oct. 2, 1.59; Dec. 20, 0.65.

97-34-29N2 (*908, p. 24; 938, p. 34; 946, p. 45; *988, p. 48). SW¼SW¼ sec. 29, T. 97 N., R. 34 W. Well flowing; no measurements made in 1944.

97-34-30Q1 (*908, p. 24; 938, p. 34; 946, p. 45; *988, p. 48). Norman Broadwell. SW¼SE¼ sec. 30, T. 97 N., R. 34 W. Water levels, in feet below land-surface datum, 1944: Mar. 29, 17.01; July 23, 16.14; Oct. 2, 16.57; Dec. 20, 17.20.

96-34-32P1 (*908, p. 24; 938, p. 34; 946, p. 45; *988, p. 48). Lost Island State Park. SE¼SW¼ sec. 32, T. 97 N., R. 34 W. Water levels, in feet below land-surface datum, 1944: Mar. 29, 8.04; July 23, 1.73. Well destroyed after July 23; measurements discontinued.

96-34-6J1 (*908, p. 25; 938, p. 34; 946, p. 45; *988, p. 49). Electric Park. NE¼SE¼ sec. 6, T. 96 N., R. 34 W. Overflow outlet is 2.71 feet below measuring point. Water levels, in feet below land-surface datum, 1944: Mar. 29, flowing; July 23, flowing; Oct. 2, 1.42; Dec. 20, 0.38.

Plymouth County

91-48-19M1 (*886, p. 119; 908, p. 25; 938, p. 34; 946, p. 45; *988, p. 49). Joe Tracy. NW¼SW¼ sec. 19, T. 91 N., R. 48 W. Water levels, in feet below land-surface datum, 1944: Mar. 28, 54.33; July 25, 50.72; Oct. 1, 53.30; Dec. 18, 54.56.

Polk County

78-24-4P1 (*988, p. 49). S. S. Kresge Co. SE¼SW¼ sec. 4, T. 78 N., R. 24 W. Water levels, in feet below land-surface datum, 1944: Oct. 7, 28.23; Dec. 29, 28.33.

79-22-22A1 (*908, p. 25; 938, p. 34; 946, p. 45; *988, p. 49). J. G. Reed. NE¼NE¼ sec. 22, T. 79 N., R. 22 W. Water levels, in feet below land-surface datum, 1944: Apr. 2, 4.28; July 31, 5.39.

Poweshiek County

78-15-1R1 (*988, p. 49). Ben Harding. SE¼SE¼ sec. 1, T. 78 N., R. 15 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 4.63; July 20, 9.02; Sept. 26, 13.02; Dec. 29, 12.54.

Sac County

89-38-11J1 (*946, p. 46; *988, p. 49). NE¼SE¼ sec. 11, T. 89 N., R. 38 W. Water levels, in feet below land-surface datum, 1944: July 23, 1.80; Sept. 29, 3.02; Dec. 18, 4.21.

89-38-26A2 (*908, p. 25; 938, p. 34; 946, p. 46; *988, p. 49). City of Schaller. NE¼NE¼ sec. 26, T. 84 N., R. 38 W. Water levels, in feet below land-surface datum, 1944: July 23, 215.20; Sept. 29, 219.78; Dec. 18, 219.55.

86-36-2C1 (*908, p. 25; 938, p. 25; 946, p. 46; *988, p. 49). John Christian. NE¼NW¼ sec. 2, T. 86 N., R. 36 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 1.10; Sept. 29, 4.39; Dec. 17, 4.49.

86-36-2E1 (*908, p. 25; 938, p. 35; 946, p. 46; *988, p. 49). Albert Culver, Jr. SW¼NW¼ sec. 2, T. 86 N., R. 36 W. Water levels, in feet below land-surface datum, 1944: Mar. 21, 0.38; July 23, 0.55; Sept. 29, 0.76; Dec. 17, 1.15.

86-36-4N1 (*908, p. 25; 938, p. 35; 946, p. 46; *988, p. 50). Iowa State Conservation Commission. SW¼SW¼ sec. 4, T. 86 N., R. 36 W. Water levels, in feet below land-surface datum, 1944: Mar. 26, 4.22; July 23, 4.15; Sept. 29, 4.80; Dec. 17, 5.12.

Sioux County

95-45-5A1 (*886, p. 119; 908, p. 26; 938, p. 35; 946, p. 46; *988, p. 50). City of Sioux Center. In Sioux Center, in NE¼NE¼ sec. 5, T. T. 95 N., R. 45 W. Water levels, in feet below land-surface datum, 1944: Mar. 28, 268.16; July 24, 267.55; Dec. 19, 258.10.

Story County

8-24-4Q1 (*886, p. 19; 908, p. 26; 938, p. 35-36; 946, pp. 46-47; *988, p. 50). Iowa State College. SW¼SE¼ sec. 4, T. 83 N., R. 24 W. Water levels, in feet below land-surface datum, 1944: July 31, 40.88; Dec. 29, 40.67.

83-24-20J1 (*886, p. 120; 908, p. 26; 938, p. 36; 946, p. 47; *988, p. 50). Agricultural Engineering Experiment Station. Near Ames, in NE¼SE¼ sec. 20, T. 83 N., R. 24 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	a 18.10	May 1	a 6.25	July 31	12.08	Oct. 7	14.49
28	a 16.10	31	a 5.90	Sept. 4	a 11.60	Dec. 29	6.05
Apr. 2	12.78	July 2	a 8.20	Oct. 3	a 14.00		

a Measurements by D. E. Lengenbacker.

83-24-4R1 (*946, p. 47; *988, p. 51). Iowa State College. SE¼SE¼ sec. 4, T. 83 N., R. 24 W. Water levels, in feet below land-surface datum, 1944: Apr. 2, 18.91; July 31, 11.64; Oct. 7, 14.73; Dec. 29, 15.73.

Warren County

77-25-12R1 (*946, pp. 47-48; *988, p. 51). SE¼SE¼ sec. 12, T. 77 N., R. 25 W. Water levels, in feet below land-surface datum, 1944: Mar. 22, 1.75; July 21, 1.81; Sept. 27, 2.58; Dec. 28, 2.95.

76-25-8Q1 (*908, p. 26; 938, p. 36; 946, p. 48; *988, p. 51). Iowa State College. SW¼SE¼ sec. 8, T. 76 N., R. 25 W. Water levels, in feet below land-surface datum, 1944: Mar. 22, 11.02; July 21, 7.86; Sept. 27, 11.38; Dec. 28, 13.16.

Wayne County

67-23-20Q1 (*908, p. 26; 938, p. 36; 946, p. 28; *988, p. 51). L. P. Bryan. SW¼SE¼ sec. 20, T. 67 N., R. 23 W. No measurements made in 1944.

Webster County

90-30-26A1 (*946, p. 48; *988, p. 51). County of Webster. NE¼NE¼ sec. 26, T. 90 N., R. 30 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 9.09; July 26, 8.36; Oct. 4, 11.20; Dec. 16, 11.70.

90-30-32D2 (*946, p. 48; *988, p. 51). William J. Jondle. NW¼NW¼ sec. 32, T. 90 N., R. 30 W. Well abandoned; measurements discontinued.

90-28-1B1 (*946, p. 48; *988, p. 51). Ed Askland. NW¼NE¼ sec. 1, T. 90 N., R. 28 W. No measurements made in 1944.

90-28-15D4 (*946, p. 48; *988, p. 51). L. O. Myrland. NW¼NW¼ sec. 15, T. 90 N., R. 28 W. Well abandoned; measurements discontinued.

90-28-8Q1 (*946, p. 48; *988, p. 51). Mr. Hovey. SW¼SE¼ sec. 8, T. 90 N., R. 28 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 6.59; July 26, 6.57; Oct. 4, 8.40; Dec. 16, 9.12.

90-28-34Q1 (*946, p. 48; *988, p. 51). McGill. SW¼SE¼ sec. 34, T. 90 N., R. 28 W. Well abandoned; measurements discontinued.

90-27-4D1 (*946, p. 49; *988, p. 52). Ole Maage. NW¼NW¼ sec. 4, T. 90 N., R. 27 W. Well abandoned; measurements discontinued.

90-27-22K1 (*946, p. 49; *988, p. 52). Joe Riechert. NW¼SE¼ sec. 22, T. 90 N., R. 27 W. Well abandoned; measurements discontinued.

90-27-31N1 (*946, p. 49; *988, p. 52). C. S. Knudson. SW¼SW¼ sec. 31, T. 90 N., R. 27 W. No measurements made in 1944.

89-30-18J1 (*946, p. 49; *988, p. 52). Dan Cain. NE¼SE¼ sec. 18, T. 89 N., R. 30 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 6.06; July 26, 3.00; Oct. 4, 7.65; Dec. 16, 7.49.

89-30-23R1 (*946, p. 49; *988, p. 52). Johnson Township Consolidated School. SE¼SE¼ sec. 23, T. 89 N., R. 30 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 32.27; July 26, 31.50.

89-29-16N1 (*946, p. 49; *988, p. 52). Mr. Stromberg. SW¼SW¼ sec. 16, T. 89 N., R. 29 W. Well abandoned; measurements discontinued.

89-28-21Q1 (*946, p. 49; *988, p. 52). Litchfield Real Estate Co. SW¼SE¼ sec. 21, T. 89 N., R. 28 W. Well abandoned; measurements discontinued.

89-28-21Q2 (*946, p. 49; *988, p. 52). Litchfield Real Estate Co. SW¼SE¼ sec. 21, T. 89 N., R. 28 W. No measurements made in 1944.

89-27-19N1 (*946, p. 49; *988, p. 52). Henry Scharf. SW¼SW¼ sec. 19, T. 89 N., R. 27 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 10.80; July 26, 5.75; Oct. 4, 20.65 (pumped shortly before measurement). Well abandoned as observation well after Oct. 4; measurements discontinued.

88-30-5R1 (*946, p. 49; *988, p. 52). J. F. Kusterer Estate. SE¼SE¼ sec. 5, T. 88 N., R. 30 W. Well abandoned; measurements discontinued.

88-29-11C1 (*946, p. 49; *988, p. 52). Charles Matson. NE¼NW¼ sec. 11, T. 88 N., R. 29 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 5.65; July 26, 5.93; Oct. 4, 7.29; Dec. 15, 7.45.

88-29-23A1 (*946, p. 50; *988, p. 52). NE¼NE¼ sec. 23, T. 88 N., R. 29 W. Water level, in feet below land-surface datum, 1944: Mar. 30, 5.92. Well abandoned as observation well after Mar. 30; measurements discontinued.

88-28-12D2 (*946, p. 50; *988, p. 52). Lou E. Hiveley. NW¼NW¼ sec. 12, T. 88 N., R. 28 W. Well abandoned; measurements discontinued.

88-27-4A2 (*946, p. 50; *988, p. 53). Mr. Jones. NE¼NE¼ sec. 4, T. 88 N., R. 27 W. Well abandoned; measurements discontinued.

87-30-9A1 (*946, p. 50; *988, p. 53). D. Click. NE¼NE¼ sec. 9, T. 87 N., R. 30 W. Well abandoned; measurements discontinued.

87-30-12L1 (*946, p. 50; *988, p. 53). Town of Callender. NE¼SW¼ sec. 12, T. 87 N., R. 30 W. Well abandoned; measurements discontinued.

87-30-30R1 (*946, p. 50; *988, p. 53). School District No. 9. SE¼SE¼ sec. 30, T. 87 N., R. 30 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 4.20; Oct. 4, 8.92; Dec. 16, 9.23.

87-29-2P2 (*946, p. 50; *988, p. 53). Otto Blomquist. SE¼SW¼ sec. 2, T. 87 N., R. 29 W. Well abandoned; measurements discontinued.

87-29-24D1 (*946, p. 50; *988, p. 53). School district. NW¼NW¼ sec. 24, T. 87 N., R. 29 W. Well abandoned; measurements discontinued.

87-29-30D1 (*946, p. 50; *988, p. 53). Otto Norberg. NW¼NW¼ sec. 30, T. 87 N., R. 29 W. Well abandoned; measurements discontinued.

87-28-5Q1 (*946, p. 50; *988, p. 53). SW¼SE¼ sec. 5, T. 87 N., R. 28 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 3.69; July 26, 3.62; Oct. 4, 3.46; Dec. 16, 3.91.

87-28-12H1 (*946, p. 50; *988, p. 53). SE¼NE¼ sec. 12, T. 87 N., R. 28 W. Water level, in feet below land-surface datum, 1944: Mar. 30, 12.65. Well abandoned as observation well after Mar. 30; measurements discontinued.

87-28-12Q1 (*946, p. 50; *988, p. 53). Thomas Timmons, Jr. SW¼SE¼ sec. 12, T. 87 N., R. 28 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 6.00; July 26, 6.43; Oct. 4, 6.69; Dec. 16, 8.32.

87-28-29N1 (*946, p. 51; *988, p. 53). Grant Spangler. SW¼SW¼ sec. 29, T. 87 N., R. 28 W. Highest observed water level, from recorder charts, 1.32 feet below land-surface datum on May 21; lowest, 7.15 feet below land-surface datum on Jan. 26.

Water level at noon, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.66	6.26	5.65	3.93	2.43	2.38	3.86	4.48	4.13	....	5.15	....
2	6.67	6.17	5.58	3.98	2.08	2.49	3.87	4.48	4.20	....	5.21	....
3	6.69	6.23	5.57	3.93	1.42	2.56	3.91	4.53	4.28	5.06	5.32	....
4	6.77	6.23	5.60	3.91	1.80	2.66	4.01	4.63	4.36	5.03	5.37	....
5	6.79	6.20	5.62	3.94	1.90	2.79	4.01	4.48	4.34	5.00	5.36	....
6	6.81	6.28	5.57	3.85	1.99	2.89	4.10	4.47	....	5.10	5.17	....
7	6.93	6.30	5.65	3.85	2.06	2.93	4.09	4.51	4.48	5.16	5.00	....
8	6.88	6.31	....	3.84	1.68	....	4.06	4.57	4.51	5.18	4.89	....
9	6.78	6.37	....	3.83	1.88	....	4.06	4.64	....	....	4.84	....
10	6.82	6.34	....	3.85	2.02	1.92	4.04	4.69	....	....	4.99	....
11	6.94	6.41	5.35	3.50	2.11	1.45	3.96	4.80	....	....	5.06	....
12	7.02	6.41	5.12	....	2.17	1.60	3.94	4.86	....	....	....	....
13	7.00	....	4.99	....	2.18	1.87	4.06	4.92	....	....	....	....
14	6.92	....	4.92	....	2.35	2.20	4.15	5.00	....	....	5.03	5.60
15	6.92	....	4.80	....	2.49	2.31	4.23	4.98	....	5.41	5.15	5.60
16	7.06	....	4.63	2.73	2.60	2.43	4.25	4.88	....	5.41	5.28	5.66
17	7.07	....	4.55	2.81	2.74	2.66	4.19	4.88	....	5.38	5.32	5.70
18	7.02	....	4.61	2.69	2.80	2.86	4.23	4.91	....	4.84	5.31	5.68
19	7.07	6.32	4.48	2.68	1.84	2.96	4.30	4.92	4.85	4.90	5.27	5.75
20	7.01	6.24	4.44	2.06	1.74	2.99	4.35	4.95	4.86	4.95	5.28	5.73
21	7.07	6.26	4.45	2.13	1.32	3.03	4.34	4.95	4.95	5.07	5.33	....
22	7.06	6.13	4.35	2.21	1.54	3.12	4.33	4.90	5.00	5.12	5.32	5.80
23	7.12	6.08	4.28	2.06	1.63	3.28	4.40	4.89	4.95	4.68	5.35	5.84
24	6.95	6.02	4.12	1.91	1.79	3.24	4.50	4.78	4.87	4.78	5.33	5.82
25	6.99	5.70	4.12	2.15	1.85	3.37	4.54	4.89	4.85	4.92	5.34	5.88
26	7.15	5.51	4.07	2.30	2.09	3.49	4.44	4.85	4.88	5.02	5.40	5.68
27	6.98	5.57	4.06	2.43	2.16	3.59	4.40	4.37	....	5.08	5.41	5.79
28	6.74	5.57	4.03	2.50	2.09	3.69	4.46	3.98	....	5.09	....	....
29	6.57	5.65	3.87	2.51	2.10	3.73	4.55	3.98	....	5.15	....	....
30	6.41	....	3.86	2.46	2.11	3.80	4.62	4.00	....	5.05	....	....
31	6.33	....	3.89	....	2.21	....	4.64	4.06	....	5.09	....	5.84

87-27-4N1 (*946, p. 51; *988, p. 54). Mrs. W. H. Goodrich. SW¼SW¼ sec. 4, T. 87 N., R. 27 W. Well abandoned; measurements discontinued.

87-27-18M1 (*946, p. 51; *988, p. 54). J. B. Marsh. NW¼SW¼ sec. 18, T. 87 N., R. 27 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 122.30; July 26, 123.65; Oct. 4, 122.20; Dec. 16, 122.05.

86-30-5C1 (*946, p. 51; *988, p. 54). E. C. Monson. NE¼NW¼ sec. 5, T. 86 N., R. 30 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 56.90; July 26, 56.35; Oct. 4, 56.88; Dec. 16, 57.16.

86-30-12B1 (*946, p. 51; *988, p. 55). Frank Schwartz. NW¼NE¼ sec. 12, T. 86 N., R. 30 W. Well abandoned; measurements discontinued.

86-29-14A1 (*946, p. 51; *988, p. 55). F. E. Castenson. SE¼NE¼ sec. 14, T. 86 N., R. 29 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 4.00; July 26, 5.72; Oct. 4, 6.41; Dec. 16, 6.59.

86-28-9R1 (*946, p. 51; *988, p. 55). W. Van Bloom. SE¼SE¼ sec. 9, T. 86 N., R. 28 W. Well abandoned; measurements discontinued.

86-28-14H1 (*946, p. 51; *988, p. 55). Town of Dayton. SE¼NE¼ sec. 14, T. 86 N., R. 28 W. Water levels, in feet below land-surface datum, 1944: July 26, 70.86; Oct. 4, 143.85, pumping at rate of about 130 gallons a minute; Dec. 16, 71.30.

86-27-4D1 (*946, p. 52; *988, p. 55). Mr. Davis. NW¼NW¼ sec. 4, T. 86 N., R. 27 W. Water levels, in feet below land-surface datum, 1944: Mar. 30, 105.90; July 26, 105.45; Oct. 4, 105.36; Dec. 16, 105.29.

Woodbury County

89-48-23B1 (*886, p. 120; *908, p. 27; 938, p. 36; 946, p. 52; *988, p. 55). City of Sioux City. Riverside Station well. NW¼NE¼ sec. 23, T. 89 N., R. 48 W. Measurements made by Ed Harbeck, Sioux City Water Works.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 11	15.75	Mar. 13	15.25	May 30	13.25
Feb. 17	14.92	Apr. 2	15.58	Aug. 2	13.83

89-47-22B1 (*886, p. 120; 908, p. 27; 938, p. 36; 946, p. 52; *988, p. 55). City of Sioux City. Lowell 4. NW¼NE¼ sec. 23, T. 89 N., R. 47 W. Measurements made by Tim Keaper, Sioux City Water Works. Water levels affected by nearby pumping wells.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	39.50	Apr. 2	39.50	July 2	39.66	Nov. 6	39.83
Feb. 2	38.50	May 2	41.00	Aug. 2	39.83	Dec. 3	39.33
Mar. 2	39.16	June 2	39.00	Oct. 2	36.17		

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KANSAS

INTRODUCTION

By S. W. Lohman

PROGRAM OF WORK

The observation-well program in Kansas was continued in 1944 in cooperation with the State Geological Survey of Kansas, the Division of Water Resources of the Kansas State Board of Agriculture, and the Division of Sanitation of the Kansas State Board of Health. In addition to the State agencies named, the city of Wichita cooperated in Harvey, McPherson, and Sedgwick Counties, and the Soil Conservation Service, of the United States Department of Agriculture, cooperated in Jewell County. Three counties not heretofore included, Cowley, Edwards, and Sumner, were added to the program in 1944, making 40 counties in which wells were observed during the year.

Results of cooperative ground-water investigations in the following areas were published in 1944: Neosho River Valley in the vicinity of Parsons,[1/] and Finney and Gray Counties.[2/] Field work was continued in Barton, Harvey, McPherson, Republic, Sedgwick, and Wyandotte Counties and investigations were begun in Edwards and Pawnee Counties.

At the beginning of 1944, periodic water-level measurements were being made in 406 observation wells in the State. During the year measurements were discontinued in 17 wells and begun or resumed in 40 wells. At the end of the year, 429 wells were under observation. Of the 433 wells measured in 1944, 95 were measured quarterly, 300 monthly, 4 semimonthly and 22 weekly, and automatic water-stage recorders were maintained on 12.

1/ Williams, Charles C., Ground-water conditions in the Neosho River Valley in the vicinity of Parsons, Kans. : Kansas Geol. Survey Bull. 52, pt. 2, pp. 29-80, pls. 1-3, figs. 1-9, Mar. 15, 1944.

2/ Latta, Bruce F., Geology and ground-water resources of Finney and Gray Counties, Kans.: Kansas Geol. Survey Bull. 55, 272 pp., 12 pls., 21 figs., Aug. 1944.

The recorders on 4 of these 12 wells--1 in Finney County, 1 in Grant County, and 2 in Scott County--are maintained by the Division of Water Resources of the Kansas State Board of Agriculture. During the year 4,908 wetted-tape water-level measurements were made in the State. For convenience, the data given in this paragraph have been arranged in tabular form, by counties, as follows:

Observation-well program in Kansas, by counties, in 1944

County	Observer	Wells included at beginning of year	Wells discontinued during year	Wells added during year	Wells included at end of year
Barber	(a)	11	1	0	10
Barton	Local observers	4	0	11	15
Bourbon	G. E. Abernathy	2	0	0	2
Cherokee	W. L. Stiles	2	1	0	1
Clark	(a)	4	0	0	4
Comanche	(a)	3	0	0	3
Cowley	J. Barker	0	0	4	4
Crawford	G. E. Abernathy	2	0	1	3
Dickinson	E. L. Mulanax	1	0	0	1
Edwards	Howard Palmer	0	0	3	3
Ellis	(a)	4	1	0	3
Finney	(a)	14	0	0	14
Ford	(a)	15	0	0	15
Grant	(a)	8	0	1	9
Gray	(a)	10	1	0	9
Hamilton	(a)	6	1	0	5
Harvey	(b)	128	1	1	128
Haskell	(a)	9	0	0	9
Hodgeman	(a)	3	0	0	3
Jewell	John Diamond	26	1	0	25
Kearny	(a)	11	1	0	10
Kiowa	(a)	5	1	1	5
Labette	John Wayenberg	4	0	0	4
Logan	(a)	3	0	0	3
McPherson	(c)	9	0	0	9
Meade	(a)	12	0	0	12
Morton	(a)	4	1	0	3
Ness	(a)	2	0	0	2
Pawnee	(a)	3	0	3	6
Republic	Local observers	8	0	0	8
Russell	(a)	13	2	0	11
Scott	(a)	10	2	1	9
Sedgwick	(b)	31	0	1	32
Seward	(a)	5	0	0	5
Stafford	(a)	6	0	0	6
Stanton	(a)	5	1	0	4
Stevens	(a)	7	0	0	7
Sumner	C. A. Posey	0	0	2	2
Thomas	(a)	13	2	0	11
Wyandotte	Local observers	3	0	11	14
		406	17	40	429

a Allen Graffham, Howard Palmer, or K. D. McCall.
b C. K. Bayne, O. K. Brandon, or G. H. von Hein.
c C. K. Bayne or G. H. von Hein.

Frequency of measurement of wells and number of wetted-tape measurements made in Kansas, by counties, in 1944

County	Wells measured quarterly	Wells measured monthly	Wells measured semi-monthly	Wells measured weekly	Wells equipped with recorders	Wetted tape measurements made during year
Barber	10	0	0	0	0	39
Barton	0	15	0	0	0	88
Bourbon	0	2	0	0	0	23
Cherokee	0	1	0	0	0	11
Clark	4	0	0	0	0	15
Comanche	3	0	0	0	0	11
Cowley	0	4	0	0	0	33
Crawford	0	3	0	0	0	34
Dickinson	0	1	0	0	0	2
Edwards	0	3	0	0	0	12
Ellis	3	0	0	0	0	10
Finney	5	8	0	0	1	101
Ford	7	8	0	0	0	111
Grant	0	8	0	0	1	86
Gray	6	3	0	0	0	52
Hamilton	3	2	0	0	0	35
Harvey	0	112	0	15	2	2,192
Haskell	0	9	0	0	0	99
Hodgeman	3	0	0	0	0	12
Jewell	0	25	0	0	0	100
Kearny	4	6	0	0	0	67
Kiowa	0	5	0	0	0	52
Labette	0	0	4	0	0	88
Logan	0	3	0	0	0	43
McPherson	5	4	0	0	0	68
Meade	11	0	0	0	1	84
Morton	1	2	0	0	0	23
Ness	2	0	0	0	0	7
Pawnee	0	6	0	0	0	39
Republic	0	7	0	0	1	129
Russell	11	0	0	0	0	39
Scott	0	7	0	0	2	80
Sedgwick	0	22	0	7	3	738
Seward	0	5	0	0	0	44
Stafford	0	6	0	0	0	59
Stanton	2	2	0	0	0	31
Stevens	0	7	0	0	0	78
Sumner	0	2	0	0	0	12
Thomas	2	11	0	0	0	123
Wyandotte	13	1	0	0	0	38
	95	300	4	22	11	4,908

FLUCTUATIONS OF WATER LEVEL

The trends in ground-water levels and in precipitation during 1944 in each of the 40 counties in Kansas in which observation wells are being maintained are indicated in the table that follows. Detailed records of water-level trends are tabulated under each of these counties.

Relation between the percentage of wells in Kansas in which the highest and lowest water levels of record were recorded in 1944, the percentage of wells in which there was a net rise of water level in 1944, and the precipitation during 1944, by counties

County	Number of wells observed entire year	Percentage of wells in which highest water levels of record were recorded	Percentage of wells in which lowest water levels of record were recorded	Percentage of wells having a net rise in water level	Precipitation at nearest Weather Bureau Station	
					Percentage of normal	Station
Barber	10	40	0	90	119	Medicine Lodge
Barton	4	75	100	75	161	Great Bend
Bourbon	2	0	100	0	137	Fort Scott
Cherokee	1	0	100	100	141	Columbus
Clark	4	0	0	50	115	Ashland
Comanche	3	67	0	100	118	Coldwater
Cowley	1	100	100	100	134	Winfield
Crawford	3	33	67	33	117	Pittsburg
Dickinson	0				161	Chapman
Edwards	0				174	Trousdale
Ellis	2	100	0	100	129	Hays
Finney	14	36	14	86	143	Garden City
Ford	15	33	0	87	170	Dodge City
Grant	8	88	13	88	145	Olipses
Gray	9	67	0	100	170	Cimarron
Hamilton	5	40	20	100	147	Syracuse
Harvey	[a] 25	76	12	100	146	Newton
Haskell	9	33	11	67	134	Sublette
Hodgeman	3	100	0	100	153	Jetmore
Jewell	25	56	0	92	132	Burr Oak
Kearny	10	30	0	70	137	Lakin
Kiowa	4	75	0	75	132	Greensburg
Labette	4	100	50	100	124	Parsons
Logan	3	67	67	67	137	Oakley
McPherson	9	67	11	89	138	McPherson
Meade	9	67	0	89	140	Plains
Morton	3	67	0	67	166	Elkhart
Ness	2	5	0	100	161	Ness City
Pawnee	3	67	0	100	135	Larned
Republic	8	50	13	75	146	Belleville
Russell	11	27	9	73	147	Russell
Scott	10	33	40	75	161	Scott City
Sedgwick	32	87	3	100	143	Wichita
Seward	5	80	0	40	139	Liberal
Stafford	6	100	0	100	137	Hudson
Stanton	3	100	0	67	163	Johnson
Stevens	7	100	0	100	152	Hugoton
Sumner	0				151	Peck
Thomas	11	73	18	64	158	Colby
Wyandotte	3				137	Kansas City, Mo.
	286	59	21	81	144	

a Excludes 104 wells which are pumped or affected by pumping.

The year 1944 was the second wettest year on record in Kansas, being exceeded only by 1915. As indicated in the preceding table, the precipitation was above normal in each of the counties given in the table and ranged from 115 percent of normal in Clark County to 174 percent of normal in Edwards County. As a result the water levels rose during the year in most of the observation wells in 34 out of 37 counties. Moreover the highest stages of record were reached in most wells in 24 of the 37 counties.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Barber County

By Betty Ball

Highest and lowest recorded water levels in 11 wells in Barber County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	4	74.63	Sept. 1, 1944	82.99	Oct. 17, 1940
2	4	11.94	Apr. 22, 1942	13.90	Aug. 20, 1943
3	4	9.05	May 26, 1942	15.42	Oct. 21, 1940
4	4	14.25	Nov. 20, 1941	16.30	Aug. 20, 1943
5	4	18.00	Aug. 31, 1944	30.15	Sept.24, 1941
7[a]	4	12.30	June 18, 1944	17.82	Oct. 21, 1940
8	4	8.87	Nov. 21, 1941	17.48	Mar. 21, 1941
9	4	1.97	May 8, 1941	4.54	Aug. 21, 1943
10	4	102.33	Mar. 2, 1944	103.85	Oct. 22, 1940
12	4	3.59	Apr. 22, 1942	11.68	Oct. 22, 1940
13	4	8.53	Oct. 22, 1942	16.99	Oct. 22, 1940

a Measurements discontinued after June 18, 1944.

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 11 wells in Barber County

Well	Difference between highest and lowest levels	Net rise in 1944[a]	Net rise for period of record
1	8.36	0.08	+7.96
2	1.96	.70	+.76
3	6.37	.25	+2.65
4	2.05	.97	+1.03
5	12.15	4.98	+8.13
7	5.52	(b)	+5.52
8	8.61	1.70	+2.91
9	2.57	1.71	+1.78
10	1.52	.14	+1.44
12	8.09	5.22	+7.80
13	8.46	1.11	+4.82

a Between last measurement in 1943 and last measurement in 1944.
b Record for 1944 incomplete.

1 (*908, p. 39; 938, p. 53; 946, p. 70; *988, p. 62). D. S. Shaw. SE¼NW¼ sec. 19, T. 31 S., R. 15 W. Water levels, in feet below land-surface datum, 1944: Mar. 3, 75.22; June 19, 75.12; Sept. 1, 74.63; Dec. 16, 75.03.

2 (*908, p. 39; 938, p. 53; 946, p. 70; *988, p. 62). Russell Lake. SW¼SW¼ sec. 14, T. 31 S., R. 14 W. Water levels, in feet below land-surface datum, 1944: Mar. 3, 12.50; June 19, 12.55; Sept. 1, 12.60; Dec. 16, 12.14.

3 (*908, p. 40; 938, p. 53; 946, p. 70; *988, p. 62). Mrs. Griever. SW¼NE¼ sec. 12, T. 32 S., R. 12 W. Water levels, in feet below land-surface datum, 1944: Mar. 3, 12.22; June 19, 11.27; Aug. 31, 12.77.

4 (*908, p. 40; 938, p. 53; 946, p. 70; *988, p. 62). Madge Evans. SW¼SE¼ sec. 4, T. 32 S., R. 12 W. Water levels, in feet below land-surface datum, 1944: Mar. 3, 15.55; June 19, 15.09; Sept. 1, 15.50; Dec. 16, 14.87.

5 (*908, p. 40; 938, p. 53; 946, p. 70; *988, p. 62). R. Kenny. NE¼NW¼ sec. 1, T. 33 S., R. 12 W. Water levels, in feet below land-surface datum, 1944: Mar. 3, 25.37; June 18, 20.70; Aug. 31, 18.00; Dec. 16, 20.72.

7 (*938, p. 54; 946, p. 70; *988, p. 62). E. B. Moots. SE¼SE¼ sec. 33, T. 32 S., R. 12 W. Water level, in feet below land-surface datum, 1944: June 18, 12.30. Measurements discontinued after June 18, 1944.

8 (*908, p. 40; 938, p. 54; 946, p. 71; *988, p. 62). P. Brock. SE¼NE¼ sec. 17, T. 34 S., R. 15 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 16.40; June 18, 12.15; Aug. 31, 14.20; Dec. 16, 14.21.

9 (*908, p. 40; 938, p. 54; 946, p. 71; *988, p. 62). V. D. Wells. SE¼SE¼ sec. 18, T. 34 S., R. 15 W. Water levels, in feet below land-surface datum, 1944: June 18, 2.72; Aug. 31, 3.46; Dec. 16, 1.98.

10 (*908, p. 40; 938, p. 54; 946, p. 71; *988, p. 63). G. H. Davis. NW¼SW¼ sec. 11, T. 35 S., R. 15 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 102.43; June 18, 102.44; Aug. 31, 102.56; Dec. 16, 102.41.

12 (*908, p. 40; 938, p. 54; 946, p. 71; *988, p. 63). B. Mills. SW¼SW¼ sec. 34, T. 33 S., R. 10 W. Water levels, in feet below land-surface datum, 1944: Mar. 3, 8.20; June 18, 4.76; Aug. 31, 6.61; Dec. 16, 3.88.

13 (*908, p. 40; 938, p. 54; 946, p. 71; *988, p. 63). J. A. Hrencher. SW¼SW¼ sec. 17, T. 32 S., R. 10 W. Water levels, in feet below land-surface datum, 1944: Mar. 3, 13.46; June 18, 12.63; Aug. 31, 12.57; Dec. 16, 12.17.

Barton County

By B. F. Latta

An investigation of the ground-water resources of southern Barton County was made in 1942 in connection with the investigation of the geology and ground-water resources of Stafford County, which adjoins Barton County on the south. (See Water-Supply Paper 946, pp. 168, 169.) The geology and ground-water resources of the northern part of Barton County were studied during the summer of 1944 to complete the investigation of Stafford and Barton Counties. Eleven wells were added to the observation-well program in Barton County during 1944. Six of the new wells (100, 101, 104, 107, 111, and 112) tap the Dakota formation, of Cretaceous age, 4 (wells 103, 109, 110, and 131) tap alluvium, and one (well 105) taps Pleistocene terrace deposits.

The descriptions and water-level measurements for the 11 new observation wells in Barton County, together with the water-level measurements for 4 wells whose records began in 1942, are given on the following pages.

Highest and lowest recorded water levels in 4 wells in Barton County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	2.5	0.76	May 11, 1944	5.45	Jan. 19, 1944
2	2.5	32.78	May 10, 1944	34.64	Jan. 20, 1944
16	2	27.93	May 22, 1943	29.90	Feb. 25, 1944
43	2	18.84	Oct. 24, 1944	21.21	Jan. 19, 1944

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 4 wells in in Barton County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944[a]	Net rise (+) or net decline (-) for period of record
1	4.69	+1.61	-0.82
2	1.86	+1.18	+.44
16	1.97	-1.05	-.33
43	2.37	+2.25	+1.64

a Between last measurement in 1943 and last measurement in 1944.

1 (*946, p. 72; *988, p. 64). F. Panning. SE. corner sec. 3, T. 20 S., R. 11 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	5.45	Apr. 6	4.59	July 27	3.45	Nov. 16	3.93
Feb. 25	5.25	May 11	.76	Oct. 24	3.54	Dec. 21	3.77
Mar. 15	5.08	June 4	2.51				

2 (*946, p. 72; *988, p. 64). W. Otte. NW¼NW¼ sec. 16, T. 19 S., R. 14 W.

Water level, in feet below land-surface datum, 1944

Jan. 20	34.64	May 10	32.78	July 27	32.99	Nov. 15	33.24
Apr. 5	33.88	June 4	33.76	Oct. 11	32.97	Dec. 21	33.29

16 (*946, p. 72; *988, p. 64). Teichmann. NE¼SE¼NE¼ sec. 12, T. 20 S., R. 13 W.

Water level, in feet below land-surface datum, 1944

Jan. 19	28.78	Apr. 6	29.16	July 27	29.56	Nov. 16	29.82
Feb. 25	29.90	May 10	29.07	Oct. 24	29.53	Dec. 8	29.66
Mar. 15	29.07	June 4	29.42				

43 (*946, p. 72; *988, p. 65). Mr. Hagen. SW¼SW¼SW¼ sec. 20, T. 20 S., R. 11 W.

Water level, in feet below land-surface datum, 1944

Jan. 19	21.21	Apr. 6	21.05	July 27	19.45	Nov. 16	18.87
Feb. 25	21.09	May 10	19.55	Oct. 24	18.84	Dec. 8	18.89
Mar. 15	21.18	June 4	19.26				

100. Unruh. NW¼NE¼ sec. 11, T. 20 S., R. 15 W. Unused drilled well, diameter 5 inches, depth 76.5 feet. Measuring point, top of casing, east side, 0.7 foot above land-surface datum. Equipped with lift pump and windmill. Water levels, in feet below land-surface datum, 1944: Aug. 14, 31.44; Sept. 19, 32.05; Nov. 15, 32.86; Dec. 21, 33.48.

101. D. Converse. NW¼SW¼ sec. 17, T. 19 S., R. 15 W. Unused drilled well, originally used to supply water for drilling oil well, diameter 6.5 inches, depth 60.9 feet. Measuring point, top of casing, southwest side, 0.3 foot above land-surface datum. No pump in well.

101. D. Converse--Continued.

Water level, in feet below land-surface datum, 1944.

Date	Water level	Date	Water level	Date	Water level
July 7	24.65	Sept.19	24.19	Dec. 21	24.18
Aug. 14	24.34	Nov. 15	24.15		

103. F. Konareck. SE¼SE¼ sec. 33, T. 17 S., R. 12 W. Unused drilled well, diameter 5 inches, depth 25.2 feet. Measuring point, top of 5-inch galvanized-iron casing, east side, 0.4 foot above land-surface datum. Equipped with hand-operated lift pumps.

Water level, in feet below land-surface datum, 1944

July 7	3.34	Sept.18	2.66	Dec. 21	4.13
Aug. 14	4.03	Nov. 16	4.34		

104. J. Hennessy. SW¼SE¼ sec. 33, T. 17 S., R. 13 W. Unused drilled well, diameter 5 inches, depth 89.9 feet. Measuring point, top of 5-inch galvanized-iron casing, north side, at land-surface datum. No pump in well. Water levels, in feet below land-surface datum, 1944: July 7, 35.69; Aug. 14, 34.30; Nov. 16, 34.43; Dec. 21, 34.24.

105. Lizzie Nagel. SW¼SE¼ sec. 28, T. 18 S., R. 11 W. Unused drilled well, diameter 8 inches, depth 66.5 feet. Measuring point, lower edge of pump base, west side, at land-surface datum. Equipped with hand-operated lift pump.

Water level, in feet below land-surface datum, 1944

July 8	32.07	Sept.18	31.97	Dec. 21	32.82
Aug. 14	32.03	Nov. 16	32.02		

107. Carter Oil Co. SE¼SE¼ sec. 10, T. 17 S., R. 11 W. Unused drilled well, originally used to supply water for drilling oil well, diameter 6.5 inches, depth 168.1 feet. Measuring point, top of 6⅝-inch oil-well-type casing, west side, 0.2 foot above land-surface datum. No pump in well.

Water level, in feet below land-surface datum, 1944

July 8	99.98	Sept.18	99.35	Dec. 21	100.16
Aug. 14	99.97	Nov. 16	99.88		

109. J. C. Cook. SW¼SW¼ sec. 28, T. 18 S., R. 15 W. Unused drilled irrigation well, diameter not known, depth 44.6 feet. Measuring point, top of well curb, south side, 1.0 foot above land-surface datum. No pump in well.

Water level, in feet below land-surface datum, 1944

July 12	13.82	Sept.19	12.19	Dec. 21	12.88
Aug. 14	12.13	Nov. 15	12.73		

110. Prudential Life Insurance Co. NE¼NE¼ sec. 33, T. 17 S., R. 14 W. Unused drilled well, diameter 6 inches, depth 47.9 feet. Measuring point, top of opening in wooden platform, 0.5 foot above land-surface datum. Equipped with lift pump and windmill. Water levels, in feet below land-surface datum, 1944: July 12, 17.69; Aug. 14, 16.96; Sept. 19, 17.46; Dec. 21, 17.92.

111. Continental Oil Co. SW¼NW¼ sec. 24, T. 17 S., R. 12 W. Unused drilled well, originally used to supply water for drilling oil well, diameter 6.5 inches, depth 93.7 feet. Measuring point, top of 6⅝-inch oil-well-type casing, east side, 0.6 foot above land-surface datum. No pump in well.

Water level, in feet below land-surface datum, 1944

July 12	60.76	Sept.20	60.64	Dec. 21	60.73
Aug. 14	60.65	Nov. 16	60.68		

112. P. P. Kingston. SE¼SE¼ sec. 34, T. 16 S., R. 14 W. Unused drilled well, diameter 5.5 inches, depth 123.3 feet. Measuring point, top of 5½-inch galvanized-iron casing, north side, 0.6 foot above land-surface datum. No pump in well. Water levels, in feet below land-surface datum, 1944: July 13, 117.95; Aug. 14, 120.77; Dec. 21, 114.47.

131. F. W. Gagleman. SE. corner sec. 22, T. 19 S., R. 15 W. Unused drilled well, diameter 5 inches, depth 24.7 feet. Measuring point, top of 5-inch galvanized-iron casing, north side, 0.3 foot above land-surface datum. Equipped with hand-operated lift pump.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
July 22	13.18	Sept.19	12.31	Dec. 21	12.04
Aug. 14	12.87	Nov. 15	12.09		

Bourbon County

By C. C. Williams

Highest and lowest recorded water levels in 2 wells in Bourbon County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	3	180.30	Sept.10, 1942	183.36	Dec. 23, 1944
2	3	55.90	July 29, 1942	60.52	Mar. 30, 1944

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 2 wells in Bourbon County

Well	Difference between highest and lowest levels	Net decline in 1944[a]	Net decline for period of record
1	3.06	1.31	3.06
2	4.62	1.22	4.11

a Between last measurement in 1943 and last measurement in 1944.

1 (*946, p. 73; *988, p. 65). City of Fort Scott. NE¼SE¼SE¼ sec. 29, T. 25 S., R. 25 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29	182.64	May 30	182.45	Aug. 24	181.92	Nov. 25	183.34
Mar. 30	182.62	June 25	182.52	Sept.30	182.25	Dec. 23	183.36
Apr. 29	182.39	July 24	181.89	Oct. 30	183.34		

2 (*946, p. 73; *988, p. 65). City of Fort Scott. SW¼NW¼ sec. 30, T. 25 S., R. 25 E. Measuring point beginning Aug. 24, 1944, top of flange on well casing, 0.3 foot above old measuring point, 4.8 feet above land-surface datum.

Water level, in feet below land-surface datum, 1944

Jan. 24	58.72	Apr. 29	59.87	July 24	58.42	Oct. 30	59.97
Feb. 29	60.46	May 30	59.91	Aug. 24	59.88	Nov. 25	59.21
Mar. 30	60.52	June 25	60.01	Sept.30	59.92	Dec. 23	60.01

Cherokee County

By C. C. Williams

Highest and lowest recorded water levels in one well in Cherokee County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	3	5.5	May 26, 1943	14.6	Jan. 25, 1944

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 1 well in Cherokee County

Well	Difference between highest and lowest levels	Net rise in 1944[a]	Net rise for period of record
1	9.1	3.9	3.7

a Between last measurement in 1943 and last measurement in 1944.

1 (*946, p. 74; *988, p. 66). W. L. Stiles. NE¼NW¼ sec. 2, T. 34 S., R. 23 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	14.6	Apr. 28	9.0	July 25	12.4	Nov. 26	11.4
Feb. 25	13.3	May 26	10.5	Aug. 25	13.5	Dec. 26	9.5
Mar. 27	10.6	June 26	8.3	Oct. 25	13.3		

105a (*946, p. 74; *988, p. 66). Barnsdall Zinc Co. SE¼NE¼ sec. 22, T. 29 N., R. 34 W. Measurements discontinued after Dec. 27, 1943.

Clark County

By Betty Ball

Highest and lowest recorded water levels in 4 wells in Clark County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
5	4	25.88	Nov. 26, 1942	29.10	May 7, 1941
7	4	34.65	Sept.29, 1942	35.98	Aug. 27, 1941
10	4	14.55	May 8, 1942	16.89	July 23, 1943
12	4	67.02	Nov. 26, 1942	68.59	Oct. 21, 1941

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record in 4 wells in Clark County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 a/	Net rise (+) or net decline (-) for period of record
5	3.22	-1.12	+0.57
7	1.33	+.30	+.71
10	2.34	-.04	-.16
12	1.57	+.10	+.97

a Between last measurement in 1943 and last measurement in 1944.

5 (*908, p. 42; 938, p. 56; 946, p. 75; *988, p. 67). Winnie Floyd. NW¼NW¼ sec. 12, T. 33 S., R. 25 W. Water levels, in feet below land-surface datum, 1944: June 18, 27.54; Aug. 31, 27.66; Dec. 14, 28.16.

7 (*908, p. 42; 938, p. 56; 946, p. 75; *988, p. 67). M. C. Harper. SW¼SE¼ sec. 32, T. 33 S., R. 21 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 35.11; June 18, 34.72; Aug. 31, 34.87; Dec. 14, 35.04.

10 (*908, p. 42; 938, p. 56; 946, p. 76; *988, p. 67). J. F. Folks Estate. SE¼SE¼ sec. 24, T. 32 S., R. 23 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 16.12; June 18, 15.62; Aug. 31, 16.57; Dec. 14, 16.50.

12 (*908, p. 42; 938, p. 57; 946, p. 76; *988, p. 67). Ralph Gardner. SW¼SW¼ sec. 11, T. 33 S., R. 24 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 67.48; June 18, 67.22; Aug. 31, 67.14; Dec. 14, 67.23.

Comanche County

By Betty Ball

Highest and lowest recorded water levels in 3 wells in Comanche County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	4	38.53	Aug. 31, 1944	40.52	June 20, 1941
7	4	36.00	May 27, 1942	58.53	Jan. 22, 1941
9	4	88.54	Sept. 1, 1944	90.39	Sept.23, 1941

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 3 wells in Comanche County

Well	Difference between highest and lowest levels	Net rise in 1944 a/	Net rise (+) or net decline (-) for period of record
1	1.99	1.11	+1.40
7	22.53	5.16	+12.25
9	1.85	.46	-.20

a Between last measurement in 1943 and last measurement in 1944.

1 (*908, p. 43; 938, p. 58; 946, p. 77; *988, p. 68). A. A. Carpenter. NE¼NE¼ sec. 8, T. 33 S., R. 20 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 39.61; June 18, 38.95; Aug. 31, 38.53; Dec. 14, 38.77.

7 (*908, p. 44; 938, p. 58; 946, p. 77; *988, p. 69). W. D. Aitken. NW¼NE¼ sec. 35, T. 34 S., R. 17 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 45.83; June 18, 37.62; Aug. 31, 38.08; Dec. 16, 38.14.

9 (*908, p. 44; 938, p. 58; 946, p. 77; *988, p. 69). H. R. Burnette. NW¼NE¼ sec. 13, T. 32 S., R. 17 W. Water levels, in feet below land-surface datum, 1944: Mar. 3, 89.25; Sept. 1, 88.54; Dec. 16, 89.14.

Cowley County

By C. C. Williams

Observation of one city-supply well in Cowley County was begun in 1943 and continued through 1944. Three additional observation wells were drilled in Cowley County in 1944 by the State and Federal Geological Surveys.

1. Winfield well 2 east. SW. corner SE¼ sec. 18, T. 32 S., R. 3 E. One of battery of 3 drilled wells, diameter 24 inches, depth 38 feet below land-surface datum. Measuring point, top of inside edge of seat for iron casing cover, at land-surface datum.

Water level, in feet below land-surface datum, 1943-44

Date	Water level	Date	Water level	Date	Water level
Aug. 13, 1943	14.52	Jan. 11, 1944	15.99	June 1, 1944	12.34
Sept.11	15.45	Feb. 2	15.67	July 6	12.75
Oct. 2	15.06	Mar. 3	16.20	Aug. 3	13.63
Nov. 2	15.39	Apr. 14	15.53	Sept. 7	14.58
Dec. 1	15.38	May 16	12.29	Nov. 8	12.68

40. Owner of well, city of Winfield; owner of property, W. G. Carson Estate. NW¼SW¼NE¼ sec. 19, T. 32 S., R. 3 E. Drilled observation well, diameter 1¼ inches, depth 39.5 feet below land-surface datum. Measuring point, top of 1¼-inch pipe, 1.5 feet above land-surface datum, 1,145.8 feet above sea level.

40. Owner of well, city of Winfield--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
May 16	10.82	July 6	11.66	Sept. 7	13.44
June 1	11.04	Aug. 3	12.62	Nov. 8	12.04

41. Owner of well, city of Winfield; owner of property, W. G. Carson Estate. NE¼SW¼NE¼ sec. 19, T. 32 S., R. 3 E. Drilled observation well, diameter 1¼ inches, depth 35 feet below land-surface datum. Measuring point, top of 1¼-inch pipe, 1.4 feet above land-surface datum, 1,147.4 feet above sea level.

Water level, in feet below land-surface datum, 1944

May 16	10.73	July 6	14.54	Sept. 7	12.78
June 1	10.50	Aug. 3	11.71	Nov. 8	10.95

42. Owner of well, U. S. Geological Survey; owner of property, G. B. Miller. SW. corner sec. 21, T. 32 S., R. 3 E. Drilled observation well, diameter 1¼ inches, depth 37.5 feet below land-surface datum. Measuring point, top of 1¼-inch pipe, 1.0 foot above land-surface datum, 1,176.6 feet above sea level.

Water level, in feet below land-surface datum, 1944

May 16	28.47	July 6	27.30	Sept. 7	28.27
June 1	28.48	Aug. 3	28.29	Nov. 8	27.89

Crawford County

By C. C. Williams

Highest and lowest recorded water levels in 3 wells in Crawford County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	3	2.03	May 26, 1943	9.12	Aug. 25, 1943
24	3	262.10	Sept.10, 1942	267.60	Dec. 23, 1944
88	1	219.56	Jan. 24, 1944	226.36	Nov. 25, 1944

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 3 wells in Crawford County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 a/	Net decline for period of record
1	7.09	+0.82	0.73
24	5.50	-3.52	4.09
88	6.80	-6.51	6.51

a Between last measurement in 1943 and last measurement in 1944.

1 (*946, p. 78; *988, p. 69). John P. Biddle. NE¼SE¼ sec. 5, T. 31 S., R. 25 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29	6.64	May 30	2.35	Aug. 24	5.11	Nov. 25	3.25
Mar. 30	4.94	June 25	2.65	Oct. 30	4.55	Dec. 23	5.48
Apr. 29	2.05	July 24	5.22				

24 (*946, p. 78; *988, p. 70). City of Girard. SW¼SW¼NE¼ sec. 24, T. 29 S., R. 23 E.

Water level, in feet below land-surface datum, 1944

Jan. 24	263.34	Apr. 29	267.25	July 24	267.42	Oct. 30	267.28
Feb. 29	266.06	May 30	267.34	Aug. 24	267.39	Nov. 25	267.49
Mar. 30	267.49	June 25	267.40	Sept.30	267.18	Dec. 23	267.60

88. Kansas City Southern Railway Co. NW¼NE¼ sec. 20, T. 30 S., R. 25 E. Drilled auxiliary industrial well, diameter 8 inches, depth 901 feet below land-surface datum. Water obtained from Roubidoux and other Ordovician formations. Measuring point, top of casing beneath metal shield, 4.8 feet above land-surface datum, 943.6 feet above sea level. Water level affected by pumping in nearby industrial well.

Water level, in feet below land-surface datum, 1943-44

Date	Water level	Date	Water level	Date	Water level
Dec. 24, 1943	219.74	May 30, 1944	223.60	Sept.30, 1944	226.11
Jan. 24, 1944	219.56	June 25	223.38	Oct. 30	226.22
Feb. 29	222.66	July 24	225.92	Nov. 25	226.36
Mar. 30	222.62	Aug. 24	226.04	Dec. 23	226.25
Apr. 29	224.92				

Dickinson County

By B. F. Latta

City of Enterprise (*988, p. 70). SW¼SW¼NE¼ sec. 20, T. 13 S., R. 3 E. Water levels, in feet below land-surface datum, 1944: May 1, 13.5; June 1, 16.5.

Edwards County

By Thad G. McLaughlin

Measurements were begun on three observation wells in Edwards County in 1944. Descriptions and records of water level for these wells will follow.

1. Owner not known. NW¼SW¼ sec. 35, T. 24 S., R. 19 W., north well of a battery of 3 wells. Dug and drilled irrigation well, diameter 16 inches, depth 28 feet. Measuring point, top of concrete curb at north side, 0.1 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: July 7, 6.28; Oct. 24, 6.58; Nov. 15, 6.78; Dec. 8, 6.84.

2. Owner not known. NW¼NW¼ sec. 7, T. 24 S., R. 18 W. Unused driven domestic well, diameter 1.5 inches, depth 14 feet. Measuring point, top of 1.5 inch pipe at north side, 2.5 feet above land-surface datum. Water levels, in feet below land-surface datum, 1944: July 7, 3.17; Oct. 24, 2.99; Nov. 15, 2.87; Dec. 8, 2.97.

10. Owner not known. SW¼SW¼ sec. 22, T. 23 S., R. 19 W. Unused dug domestic and stock well, diameter 4.5 feet, depth 69.6 feet. Measuring point, top of iron rim at west edge of 24-inch hole in concrete well cover, 0.6 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: July 11, 64.93; Oct. 24, 64.60; Nov. 15, 64.95; Dec. 7, 64.11.

Ellis County

By Betty Ball

Highest and lowest recorded water levels in 3 wells in Ellis County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
190	3	12.19	Sept. 7, 1944	15.16	Dec. 22, 1943
215	3	13.25	Apr. 15, 1942	16.19	Dec. 20, 1944
218	3	13.00	Sept. 7, 1944	54.67	Dec. 22, 1943

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 3 wells in Ellis County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 a/	Net rise (+) or net decline (-) for period of record
190	2.97	+2.17	+0.81
215	2.94	-1.33	-1.87
218	41.67	+18.45	+17.72

a Between last measurement in 1943 and last measurement in 1944.

190 (*938, p.60; 946, p. 79; *988, p. 71). Ben Schulte. NE¼NE¼ sec. 8, T. 14 S., R. 16 W. Water levels, in feet below land-surface datum, 1944: Mar. 16, 15.08; June 10, 12.22; Sept. 7, 12.19; Dec. 20, 12.99.

215 (*938, p. 60; 946, p. 79; *988, p. 71). A. H. Romine. NE¼NW¼ sec. 7, T. 11 S., R. 16 W. Water levels, in feet below land-surface datum, 1944: Sept. 7, 14.19; Dec. 20, 16.19.

218 (*938, p. 60; 946, p. 80; *988, p. 71). W. W. Bemis. NE¼NE¼ sec. 16, T. 12 S., R. 17 W. Water levels, in feet below land-surface datum, 1944: Mar. 16, 54.52; June 10, 29.80; Sept. 7, 13.00; Dec. 20, 36.22.

225 (*938, p. 60; 946, p. 80; 988, p. 71). Ray Smith. NW¼NW¼ sec. 30, T. 12 S., R. 17 W. Measurements discontinued after June 28, 1944.

Finney County

By B. F. Latta and Betty Ball

Highest and lowest water levels for the period of record, in feet below land surface datum, in 14 wells in Finney County

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	8.5	5.43	June 9, 1943	11.46	Mar. 8, 1941
2	5	105.33	June 27, 1944	109.82	Oct. 25, 1943
5	5	20.65	Oct. 19, 1944	22.54	Jan. 28, 1940
6	5	15.25	June 21, 1940	19.40	Apr. 4, 1944
7	5	77.49	Oct. 25, 1943	78.79	Sept.13, 1944
8	5	74.42	Sept.20, 1940	75.25	June 21, 1940
13	5	a .76	May 5, 1942	4.63	Sept.23, 1939
15	5	9.34	June 25, 1943	14.40	Sept.20, 1940
16	5	32.22	Nov. 22, 1944	42.20	May 19, 1941
17	5	.71	May 5, 1942	7.81	Oct. 26, 1939
23	5	42.48	Sept. 5, 1944	45.30	Feb. 17, 1940
26	5	68.65	Dec. 11, 1944	71.60	Apr. 24, 1941
1002	2	112.22	Dec. 29, 1942	b116.67	Nov. 30, 1943
1005	2	115.04	Nov. 30, 1942	116.22	Oct. 27, 1943

a Above land-surface datum. High water in nearby Arkansas River caused water level to rise in casing to point above land-surface.
b Does not include measurements affected by pumping.

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 14 wells in Finney County

Well	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944 a/	Net rise (+) or net decline (-) for period of record
1	6.03	+1.20	+1.77
2	4.49	+3.57	+2.91
5	1.89	+1.36	+1.66
6	4.15	+.10	-2.64
7	1.30	+.13	+.54
8	.83	+.28	+.76

a Between last measurement in 1943 and last measurement in 1944.

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 14 wells in Finney County

Well	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944 a/	Net rise (+) or net decline (-) for period of record
13	5.39	-.31	+1.16
15	5.06	+.63	+3.56
16	9.98	+2.36	+5.27
17	7.10	+2.13	+4.22
23	2.82	+1.21	+2.63
26	2.95	+.80	+3.70
1002	4.45	+.69	-1.37
1005	1.18	-.05	-.82

a Between last measurement in 1943 and last measurement in 1944.

1 (*886, p. 139; 908, p. 49; 938, p. 62; 946, p. 82; *988, p. 72). Mrs. A. M. Reid. NE¼NE¼ sec. 9, T. 24S., R. 33W.

Mean daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.68	8.62	8.52	8.45	7.72	6.65	6.62	6.80	7.18	7.12	7.44	7.55
2	8.68	8.62	8.51	8.46	7.65	6.62	6.64	6.80	7.20	7.14	7.45	7.54
3	8.68	8.62	8.51	8.46	7.61	6.61	6.68	6.80	7.22	7.16	7.46	7.53
4	8.69	8.61	8.51	8.45	7.58	6.62	6.72	6.83	7.23	7.17	7.46	7.54
5	8.70	8.62	8.49	8.45	7.54	6.64	6.73	6.84	7.25	7.19	7.45	7.55
6	8.68	8.60	8.51	8.45	7.50	6.63	6.75	6.84	7.25	7.22	7.46	7.53
7	8.71	8.59	8.52	8.44	7.46	6.60	6.77	6.85	7.24	7.22	7.46	7.54
8	8.70	8.59	8.51	8.43	7.45	6.62	6.81	6.85	7.23	7.22	7.48	7.53
9	8.69	8.58	8.50	8.43	7.42	6.63	6.82	6.85	7.23	7.22	7.48	7.55
10	8.69	8.58	8.48	8.42	7.41	6.62	6.84	6.86	7.25	7.25	7.47	7.55
11	8.70	8.60	8.48	8.37	7.41	6.61	6.85	6.88	7.25	7.25	7.47	7.55
12	8.71	8.59	8.49	8.34	7.38	6.61	6.88	6.89	7.25	7.25	7.47	7.54
13	8.71	8.57	8.47	8.30	7.37	6.63	6.88	6.89	7.24	7.26	7.47	7.54
14	8.69	8.57	8.48	8.29	7.35	6.62	6.89	6.91	7.23	7.27	7.50	7.53
15	8.69	8.56	8.48	8.28	7.33	6.62	6.90	6.92	7.23	7.29	7.51	7.53
16	8.70	8.56	8.47	8.26	7.32	6.62	6.91	6.94	7.25	7.30	7.51	7.51
17	8.69	8.56	8.46	8.25	7.31	6.63	6.93	6.97	7.24	7.31	7.51	7.51
18	8.69	8.57	8.47	8.24	7.31	6.66	6.94	6.99	7.25	7.33	7.50	7.51
19	8.69	8.57	8.47	8.23	7.31	6.65	6.95	7.00	7.24	7.34	7.51	7.51
20	8.67	8.55	8.46	8.20	7.30	6.64	6.95	7.02	7.23	7.35	7.52	7.49
21	8.68	8.53	8.45	8.19	7.29	6.64	6.95	7.04	7.24	7.37	7.52	7.51
22	8.69	8.54	8.46	8.18	7.29	6.66	6.95	7.05	7.15	7.37	7.52	7.48
23	8.66	8.53	8.46	8.17	7.29	6.69	6.95	7.06	7.09	7.38	7.52	7.50
24	8.65	8.53	8.44	8.14	7.28	6.69	6.95	7.07	7.08	7.39	7.48	7.48
25	8.66	8.52	8.44	8.09	7.30	6.70	6.79	7.08	7.05	7.40	7.50	7.50
26	8.66	8.53	8.43	8.04	7.31	6.70	6.76	7.10	7.04	7.41	7.53	7.49
27	8.66	8.54	8.43	8.01	7.18	6.72	6.77	7.12	7.02	7.42	7.52	7.49
28	8.66	8.54	8.45	7.96	6.92	6.75	6.78	7.14	7.01	7.42	7.53	7.48
29	8.65	8.54	8.44	7.89	6.76	6.74	6.78	7.15	7.01	7.43	7.54	7.46
30	8.65	....	8.44	7.80	6.70	6.65	6.78	7.18	7.05	7.43	7.55	7.46
31	8.64	....	8.44	....	6.67	....	6.79	7.18	....	7.44	....	7.48

2 (*886, p. 141; 908, p. 49; 938, p. 62; 946, p. 82; *988, p. 73). Maggie B. Smith. NE. corner NW¼NE¼ sec. 30, T. 26 S., R. 32 W. Water levels, in feet below land-surface datum, 1944: Mar. 1, 108.17; June 27, 105.33; Sept. 13, 106.25.

5 (*886, p. 142; 908, p. 49; 938, p. 63; 946, p. 82; *988, p. 73). E. Alberta Reeves. SE¼NW¼NW¼ sec. 19, T. 21 S., R. 32 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	22.20	Apr. 24	22.02	July 19	20.95	Oct. 19	20.65
Feb. 23	22.14	May 24	21.64	Aug. 10	20.70	Nov. 28	20.79
Mar. 19	22.10	June 13	21.14	Sept. 5	20.77	Dec. 11	20.79

6 (*886, p. 142; 908, p. 50; 938, p. 63; 946, p. 82; *988, p. 73). T. A. Meakel. NW¼SW¼SW¼ sec. 36, T. 21 S., R. 29 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	18.96	Apr. 4	19.40	July 31	17.82	Oct. 20	18.72
Feb. 2	19.05	May 9	18.40	Aug. 15	18.09	Nov. 17	18.78
Mar. 15	18.52	June 3	17.62	Sept. 8	18.45		

7 (*886, p. 142; 908, p. 50; 938, p. 63; 946, p. 83; *988, p. 73). Marion Russell. NE¼NW¼ sec. 2, T. 26 S., R. 33 W. Water levels, in feet below land-surface datum, 1944: Mar. 6, 77.70; June 27, 77.55; Sept. 13, 78.79; Dec. 5, 77.55.

8 (*886, p. 142; 908, p. 50; 938, p. 63; 946, p. 83; *988, p. 73). O. G. Reeve. SW¼NE¼SE¼ sec. 13, T. 25 S., R. 33 W. Water levels, in feet below land-surface datum, 1944: Mar. 6, 74.59; June 27, 74.58; Sept. 13, 74.55; Dec. 5, 74.28.

13 (*886, p. 143; 908, p. 50; 938, p. 64; 946, p. 83; *988, p. 73). Edwin Wehrley. NE¼SE¼SW¼ sec. 13, T. 25 S., R. 31 W.

Water level, in feet below land-surface datum, 1944

Jan. 18,	2.96	Apr. 27	1.90	July 26	1.23	Oct. 9	2.50
Feb. 21	2.83	May 12	1.82	Aug. 17	2.14	Nov. 14	2.45
Mar. 1	2.81	June 7	.42	30	2.37	Dec. 6	3.47

15 (*886, p. 143; 908, p. 51; 938, p. 64; 946, p. 84; *988, p. 74). Floyd A. Edwards. SW¼SW¼ sec. 2, T. 24 S., R. 33 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	11.22	Apr. 25	10.88	July 25	9.88	Oct. 25	10.59
Feb. 25	11.19	May 25	10.19	Aug. 25	10.09	Nov. 25	10.39
Mar. 23	11.13	June 25	9.42	Sept. 25	10.59	Dec. 25	10.30

16 (*886, p. 143; 908, p. 51; 938, p. 64; 946, p. 84; *988, p. 74). George L. Meeker. NW¼NE¼NE¼ sec. 6, T. 24 S., R. 34 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	36.31	Apr. 13	37.76	July 8	35.98	Oct. 28	34.69
Feb. 18	36.88	May 19	38.09	Aug. 4	34.98	Nov. 22	32.22
Mar. 10	37.27	June 23	37.23	Sept. 1	34.09	Dec. 14	32.78

17 (*886, p. 144; 908, p. 51; 938, p. 64; 946, p. 84; *988, p. 74). SE¼SW¼NW¼ sec. 7, T. 24 S., R. 33 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	4.06	Apr. 15	3.14	July 8	2.66	Oct. 28	4.04
Feb. 18	3.86	May 19	2.69	Aug. 4	3.25	Nov. 22	3.86
Mar. 10	3.73	June 23	2.61	Sept. 1	3.89	Dec. 13	3.51

23 (886, p. 144; 908, p. 51; 938, p. 65; 946, p. 84; *988, p. 74). J. E. Ely. SE¼SW¼SE¼ sec. 4, T. 23 S., R. 32 W. Water levels, in feet below land-surface datum, 1944: July 6, 42.92; Sept. 5, 42.48; Dec. 11, 42.56.

26 (*886, p. 145; *908, p. 52; 938, p. 65; 946, p. 85; *988, p. 74). Garden City Experiment Station. SW¼NE¼SE¼ sec. 3, T. 24 S., R. 32 W. Water levels, in feet below land-surface datum, 1944: Mar. 15, 69.45; July 6, 69.03; Sept. 5, 69.18; Dec. 11, 68.65.

1002 (*946, p. 85; *988, p. 74). United States Army. SW¼ sec. 27, T. 24 S., R. 31 W.

Water level, in feet below land-surface datum, 1944

Jan. 18	115.49	July 26	b118.7	Sept. 2	114.35	Nov. 20	114.53
Mar. 1	115.34	Aug. 21	114.95	Oct. 18	114.70	Dec. 6	114.37
June 7	a133.2						

a Well pumping.
b Well pumped recently.

Correction: Measurements published in Water-Supply Paper 988 are give in feet below measuring point and not below land-surface datum as indicated

1005 (*946, p. 85; *988, p. 74). United States Army. SW¼ sec. 27, T. 24 S., R. 31 W. Correction: Measurements published in Water-Supply Paper 988 are given in feet below measuring point and not below land-surface datum as indicated. Water levels, in feet below land-surface datum, 1944: June 7, 115.91; Sept. 2, 116.20; Dec. 6, 115.86.

Ford County

By Betty Ball

Highest and lowest recorded water levels in 15 wells in Ford County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
2	6	26.03	Sept. 1, 1944	27.78	Sept. 5, 1939
8	6	.86	May 13, 1942	8.17	Nov. 7, 1939
11	6	7.69	June 3, 1942	12.31	Jan. 24, 1940
38	6	36.73	Sept. 1, 1944	42.08	May 16, 1940
41	6	44.30	Dec. 7, 1944	46.53	July 1, 1939
57	6	4.74	May 15, 1942	9.93	Oct. 2, 1939
59	6	14.49	May 15, 1942	17.21	Sept. 5, 1939
65	6	14.61	May 13, 1942	17.70	Oct. 2, 1939
79C	6	13.25	Jan. 2, 1942	19.69	Oct. 2, 1939
96	6	6.39	Dec. 17, 1944	10.22	Sept. 5, 1939
237	6	83.72	May 25, 1943	86.42	Nov. 8, 1939
343	6	75.64	Dec. 4, 1941	76.36	Aug. 19, 1943
1002	2	104.10	Oct. 24, 1942	a184.09	Nov. 26, 1942
1003	2	94.35	July 4, 1944	109.52	Aug. 19, 1943
1004	2	98.54	Nov. 26, 1942	a120.81	May 25, 1943

a Well pumping.

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record in 15 wells in Ford County

Well	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944[a]	Net rise (+) or net decline (-) for period of record
2	1.75	+1.37	+1.11
8	7.31	+1.17	+1.14
11	4.62	+1.63	+2.35
38	5.35	+3.66	+4.20
41	2.23	+2.10	+1.75
57	5.19	+.27	+.07
59	2.72	+.01	+.75
65	3.09	+.93	+.87
79C	6.44	+1.00	+1.31
96	3.83	+2.35	+3.27
237	2.70	+2.52	+2.27
343	.72	(b)	+.06
1002	79.99	-1.28	-1.62
1003	5.17	+1.00	-1.30
1004	22.27	+.64	+1.73

a Between last measurement in 1943 and last measurement in 1944.
b Measurements for 1944 incomplete.

2 (*845, p. 96; 886, p. 151; 908, p. 57; 938, p. 66; 946, p. 86; *988, p. 75). L. A. Lamb. SW¼SW¼ sec. 4, T. 28 S., R. 22 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	27.04	June 19	26.56	Sept. 1	26.03	Nov. 14	26.18
Mar. 4	27.17	July 26	26.28	Oct. 23	26.22	Dec. 17	26.38
May 12	26.57	Aug. 17	26.22				

8 (*845, p. 96; 886, p. 151; 908, p. 57; 938, p. 67; 946, p. 86, *988, p. 75). F. H. Diehl. NW¼NW¼ sec. 34, T. 26 S., R. 25 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Mar. 4	6.14	June 8	4.67	Dec. 7	5.25
Apr. 27	5.72	Sept. 1	4.92		

11 (*845, p. 96; 886, p. 151; 908, p. 58; 938, p. 67; 946, p. 86; *988, p. 76). Geo. W. Molitor. SW¼NW¼ sec. 36, T. 21 S., R. 21 W. Water levels, in feet below land-surface datum, 1944: Mar. 4, 11.03; June 8, 8.84; Sept. 1, 9.10; Dec. 17, 9.43.

38 (*845, p. 95; 886, p. 159; 908, p. 56; 936, p. 67; 946, p. 86; *988, p. 76). F. Buns. SE¼NE¼ sec. 1, T. 26 S., R. 24 W. Water levels, in feet below land-surface datum, 1944: June 8, 37.74; Sept. 1, 36.73; Dec. 7, 37.23.

41 (*845, p. 96, 886, p. 150; 908, p. 57; 938, p. 67; 946, p. 87; *988, p. 76). J. J. Burghardt. NW¼SW¼ sec. 11, T. 25 S., R. 21 W. Water levels, in feet below land-surface datum, 1944: June 8, 44.75; Sept. 1, 44.63; Dec. 7, 44.30.

57 (*845, p. 98; 886, p. 153; 908, p. 58, 938, p. 67; 946, p. 87; *988, p. 76). Andrew Bogner. NW¼SE¼ sec. 22, T. 26 S., R. 26 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	8.03	Apr. 27	7.53	July 21	7.23	Oct. 9	7.46
Feb. 21	7.75	May 12	7.17	Aug. 17	6.99	Nov. 14	7.59
Mar. 4	7.76	June 8	6.80	Sept. 2	7.17	Dec. 7	7.69

59 (*945, p. 98; 886, p. 153; 906, p. 58; 938, p. 67; 946, p. 87; *988, p. 76). Ward Byers Estate. NE¼NE¼ sec. 21, T. 25 S., R. 26 W.

Water level, in feet below land-surface datum, 1944

Jan. 18	16.08	Apr. 27	16.16	July 21	15.77	Oct. 9	15.84
Feb. 21	15.98	May 2	15.33	Aug. 17	15.73	Nov. 14	15.96
Mar. 4	15.99	June 8	15.11	Sept. 2	15.83	Dec. 7	15.91

65 (*845, p. 98; 886, p. 154; 908, p. 59; 938, p. 67; 946, p. 87; *988, p. 76). John N. Clark. SW¼SW¼ sec. 33, T. 26 S., R. 25 W.

Water level, in feet below land-surface datum, 1944

Jan. 18	15.13	Apr. 27	16.38	July 21	16.35	Oct. 9	16.13
Feb. 21	15.99	May 12	15.83	Aug. 17	16.02	Nov. 14	16.26
Mar. 4	15.91	June 8	14.95	Sept. 1	15.90	Dec. 7	16.21

79C (*845, p. 99; 886, p. 155; 908, p. 59; 938, p. 68; 946, p. 87; *988, p. 77). O. N. Nevins. SW¼SW¼ sec. 23, T. 26 S., R. 24 W.

Water level, in feet below land-surface datum, 1944

Jan. 18	18.43	Apr. 27	18.42	July 21	17.28	Oct. 9	17.26
Feb. 21	18.26	May 12	18.17	Aug. 17	16.71	Nov. 14	17.58
Mar. 4	18.22	June 8	17.51	Sept. 1	16.85	Dec. 7	17.21

96 (*845, p. 99; 886, p. 155; 908, p. 60; 938, p. 68; 946, p. 87; *988, p. 77). Henry Hattrup. SE¼NE¼ sec. 23, T. 26 S., R. 21 W. Water levels, in feet below land-surface datum, 1944: Mar. 4, 8.56; June 8, 6.52; Sept. 1, 6.68; Dec. 17, 6.39.

237 (*886, p. 150; 908, p. 57; 938, p. 68; 946, p. 88; *988, p. 77). Atchison, Topeka & Santa Fe Railway. NW¼NW¼ sec. 28, T. 25 S., R. 22 W. Water levels, in feet below land-surface datum, 1944: Mar. 4, 86.12; Sept. 1, 85.38; Dec. 17, 83.72.

343 (*886, p. 150; 908, p. 57; 938, p. 68; 946, p. 88; *988, p. 77). B. A. Schuette. NE¼NE¼ sec. 1, T. 26 S., R. 26 W. Water levels, in feet below land-surface datum, 1944: Mar. 4, 76.01; June 8, 76.20; Sept. 2, 76.14.

1002 (*946, p. 88; *998, p. 77). United States Army. Center SE¼ sec. 12, T. 26 S., R. 25 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	a120.41	Apr. 27	105.88	July 26	a164.91	Oct. 9	109.48
Feb. 21	107.63	June 8	105.41	Aug. 17	109.70	Dec. 7	106.30
Mar. 4	108.31	July 4	105.91				

a Pumping.

1003 (*946, p. 88; *988, p. 77). United States Army. NE¼NE¼ sec. 13, T. 26 S., R. 26 W.

Water level, in feet below land-surface datum, 1944

Jan. 18	105.42	Apr. 27	103.12	July 4	94.35	Oct. 9	105.48
Feb. 21	104.46	June 8	102.89	Aug. 17	106.01	Dec. 7	103.65
Mar. 4	105.79						

1004 (*946, p. 88; *988, p. 77). United States Army. Center NE¼ sec. 13, T. 26 S., R. 26 E.

Water level, in feet below land-surface datum, 1944

Jan. 18	100.68	Apr. 27	99.97	July 4	103.31	Oct. 9	101.51
Feb. 21	100.66	June 3	99.52	Aug. 17	101.69	Dec. 7	100.33
Mar. 4	101.34						

Grant County

By Thad G. McLaughlin

Highest and lowest recorded water levels in 8 wells in Grant County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	4	41.95	Sept. 1, 1944	45.06	Sept.16, 1941
4	4	84.42	Nov. 22, 1944	87.52	May 14, 1941
5	4	66.10	Aug. 3, 1944	67.00	Dec. 28, 1943
7	4	82.06	Jan. 8, 1942	82.76	May 14, 1941
8	4	58.36	July 14, 1944	59.56	Apr. 21, 1944
11	4	46.06	Oct. 6, 1944	47.32	July 12, 1943
13	4	105.22	July 14, 1944	106.58	July 14, 1941
14	4	129.22	Apr. 21, 1944	130.47	May 30, 1941

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record in 8 wells in Grant County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 a/	Net rise for period of record
1	3.11	+0.47	2.12
4	3.10	+.29	3.10
5	.90	+.21	.59
7	.70	+.26	.01
8	1.20	+.57	.30
11	1.26	-.01	1.16
13	1.36	+.32	.93
14	1.25	+.16	.98

a Between last measurement in 1943 and last measurement in 1944.

1 (*938, p. 69; 946, p. 89; *988, p. 78). F. C. Williams. SE¼SE¼ sec. 30, T. 27 S., R. 37 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 18	42.63	June 28	42.50	Sept. 1	41.95	Nov. 22	42.37
Apr. 21	42.53	July 7	42.53	Oct. 6	42.33	Dec. 15	42.31
May 5	42.83	Aug. 3	42.16				

4 (*938, p. 70; 946, p. 89; *988, p. 78). F. J. Andes. SE¼SE¼ sec. 9, T. 27 S., R. 38 W.

Water level, in feet below land-surface datum, 1944

Feb. 18	84.73	May 5	84.65	Aug. 3	84.58	Nov. 22	84.42
Mar. 7	84.84	June 28	84.79	Sept. 1	84.47	Dec. 15	84.42
Apr. 21	84.65	July 7	84.65	Oct. 6	84.99		

5 (*938, p. 70; 946, p. 89; *988, p. 79). C. L. Jury. NE¼SE¼ sec. 4, T. 27 S., R. 37 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	66.50	Apr. 21	66.63	July 7	66.62	Oct. 2	66.79
Feb. 18	66.64	May 5	66.58	Aug. 3	66.10	Nov. 22	66.44
Mar. 7	66.62	June 28	66.58	Sept. 1	66.53	Dec. 15	66.41

7 (*938, p. 70; 946, p. 90; *988, p. 79). Ethel W. Hoffman. SE¼SW¼ sec. 36, T. 28 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	82.24	Mar. 7	82.43	June 28	82.44	Dec. 15	82.12
Feb. 18	82.35	May 5	82.39	Nov. 21	82.18		

8 (*938, p. 70; 946, p. 90; *988, p. 79). E. O. Stuart. NW¼NW¼ sec. 33, T. 29 S., R. 35 W.

Water level, in feet below land-surface datum, 1944

Feb. 18	59.38	May 5	59.23	Aug. 2	58.39	Nov. 21	58.66
Mar. 7	59.43	June 28	58.44	Sept.13	58.49	Dec. 15	58.73
Apr. 21	59.56	July 14	58.36	Oct. 2	58.56		

9 (*938, p. 70; 946, p. 90; *988, p. 79). William Robinson. NE¼SW¼ sec. 27, T. 28 S., R. 37 W. Measurements discontinued after December 1943.

11 (*938, p. 71; 946, p. 90; *988, p. 79). J. A. Hoffman. SE¼SW¼ sec. 26, T. 28 S., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	47.04	Apr. 20	46.98	July 7	46.37	Oct. 6	46.06
Feb. 18	47.06	May 5	46.94	Aug. 3	46.32	Nov. 22	46.08
Mar. 7	47.02	June 28	46.97	Sept.14	46.07	Dec. 14	46.07

13 (*938, p. 71; 946, p. 90; *988, p. 79). Fred Powell. NW¼NE¼ sec. 5, T. 29 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	105.82	Apr. 21	105.76	July 14	105.22	Oct. 8	105.66
Feb. 18	105.75	May 5	105.32	Aug. 2	105.32	Nov. 21	105.55
Mar. 7	105.68	June 28	105.26	Sept.14	105.53	Dec. 15	105.53

14 (*938, p. 71; 946, p. 90; *988, p. 79). Mr. Hall. NE¼SW¼ sec. 31, T. 28 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Feb. 18	129.46	May 5	129.54	Aug. 2	129.46	Nov. 21	129.46
Mar. 7	129.64	June 28	129.90	Sept.13	129.40	Dec. 15	129.49
Apr. 21	129.22	July 14	129.47	Oct. 6	129.53		

400. Kansas State Board of Agriculture, Division of Water Resources. SE¼NE¼ sec. 6, T. 28 S., R. 38 W. Drilled observation well, diameter 12 inches, depth 100 feet. Measuring point, top of casing at south side, 0.2 foot above concrete foundation which is at land-surface datum. Automatic water-stage recorder maintained on well since August 1944.

Mean daily water level, in feet below land-surface datum, 1944

Day	Aug.	Sept.	Oct.	Nov.	Dec.	Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	53.33	53.33	53.06	52.99	52.91	17	.....	53.14	53.01	52.97	52.85
2	.....	.....	53.06	52.98	52.91	18	.....	53.14	53.01	52.96	52.85
3	53.03	.....	53.05	52.98	52.90	19	.....	53.15	53.01	52.96	52.85
4	.....	.....	53.05	52.99	52.90	20	.....	53.16	53.01	52.96	52.84
5	.....	.....	53.04	52.98	52.90	21	.....	53.16	53.01	52.96	52.84
6	.....	.....	53.04	52.98	52.89	22	.....	53.15	53.01	52.95	52.83
7	.....	.....	53.04	52.98	52.89	23	.....	53.14	53.01	52.95	52.83
8	.....	.....	53.04	52.98	52.89	24	.....	53.13	53.02	52.94	52.83
9	.....	.....	53.03	52.98	52.88	25	.....	53.10	53.02	52.94	52.83
10	.....	.....	53.03	52.98	52.88	26	.....	53.09	53.02	52.94	52.83
11	.....	.....	53.03	52.98	52.88	27	.....	53.09	53.01	52.92	52.83
12	.....	.....	53.04	52.97	52.87	28	.....	53.08	53.00	52.92	52.82
13	.....	.....	53.03	52.96	52.87	29	53.23	53.07	52.99	52.92	52.82
14	.....	53.12	53.03	52.96	52.86	30	.....	53.06	52.99	52.92	52.82
15	.....	53.12	53.03	52.96	52.86	31	.....	.....	52.99	.....	52.82
16	.....	53.12	53.02	52.97	52.85						

Gray County

By B. F. Latta

Highest and lowest recorded water levels in 9 wells in Gray County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	5	3.48	June 13, 1941	7.56	Oct. 8, 1940
3	5	164.50	June 17, 1944	165.98	Aug. 18, 1943
7	5	75.38	Aug. 30, 1944	77.70	May 22, 1940
8	5	a+.60	Oct. 9, 1944	8.20	Oct. 7, 1939
11	5	57.76	Aug. 30, 1944	59.74	Aug. 18, 1943
17	5	81.03	Dec. 6, 1944	84.95	May 24, 1941
20	5	17.55	May 15, 1942	21.53	Nov. 4, 1940
23	5	111.31	Mar. 22, 1940	114.76	July 19, 1943
28	5	76.18	Dec. 6, 1944	80.10	Dec. 14, 1939
					Jan. 26, July 23, 1940

a Above land-surface datum.

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record in 9 wells in Gray County

Well	Difference between highest and lowest levels	Net rise in 1944[a]	Net rise for period of record
1	4.08	1.79	2.75
3	1.48	.21	.42
7	2.32	1.44	2.01
8	8.80	1.72	6.54
11	198	.60	.81
17	3.92	3.22	3.59
20	3.98	2.03	2.07
23	3.45	.80	.60
28	3.92	2.95	3.88

a Between last measurement in 1943 and last measurement in 1944.

1 (*886, p. 158; 908, p. 63; 938, p. 73; 946, p. 92; *988, p. 80). G. A. Hard. NW¼SE¼SW¼ sec. 20, T. 25 S., R. 29 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	5.98	Apr. 27	4.71	July 26	4.93	Oct. 9	6.16
Feb. 21	5.40	May 12	4.83	Aug. 17	4.79	Nov. 14	5.97
Mar. 1	5.31	June 7	4.24	Aug. 30	6.27	Dec. 6	4.59

3 (*886, p. 159; 908, p. 63; 938, p. 73; 946, p. 92; *988, p. 80). N. A. Mans. NE¼SW¼NW¼ sec. 7, T. 28 S., R. 27 W. Water levels, in feet below land-surface datum, 1944: Mar. 1, 164.54; June 17, 164.50; Dec. 6, 164.61.

7 (*886, p. 159; 908, p. 64; 938, p. 73; 946, p. 92; *988, p. 81). P. Brietenbach and others. SE¼SW¼SE¼ sec. 36, T. 26 S., R. 29 W. Water levels, in feet below land-surface datum, 1944: June 17, 76.11; Aug. 30, 75.38; Dec. 6, 75.47.

8 (*886, p. 159; 908, p. 64; 938, p. 73; 946, p. 92; *988, p. 81). NW¼NE¼SE¼ sec. 11, T. 26 S., R. 28 W.

Water level, in feet below land-surface datum, 1944

Jan. 28	3.61	Apr. 27	3.43	July 26	1.73	Oct. 9	a0.60
Feb. 21	3.68	May 12	3.14	Aug. 17	1.81	Nov. 14	.91
Mar. 4	3.67	June 7	3.14	Sept. 2	1.68	Dec. 6	1.66

a Above land-surface datum.

11 (*886, p. 159; 908, p. 64; 938, p. 74; 946, p. 92; *988, p. 81). J. D. Wetmore. NE¼NE¼ sec. 35, T. 29 S., R. 28 W. Water levels, in feet below land-surface datum, 1944: Mar. 1, 58.40; June 17, 57.92; Aug. 30, 57.76; Dec. 6, 57.83.

17 (*886, p. 160; 908, p. 65; 938, p. 74; 946, p. 93; *988, p. 81). V. E. Yeager. NE. corner NW¼NE¼ sec. 31, T. 28 S., R. 29 W. Water levels, in feet below land-surface datum, 1944: June 17, 82.21; Aug. 30, 82.58; Dec. 6, 81.03.

18 (*886, p. 160; 908, p. 65; 938, p. 74; 946, p. 93; *988, p. 81). W. H. Mace. SE¼NE¼ sec. 25, T. 29 S., R. 29 W. Measurements discontinued after Dec. 6, 1943.

20 (*886, p. 160; 908, p. 65; 938, p. 74; 946, p. 93; *988, p. 82). H. and E. Fischer. SE¼SW¼NE¼ sec. 23, T. 25 S., R. 30 W. Measuring point beginning Apr. 27, 1944, top of well curb of southernmost well of battery of 6, east side, 0.5 foot above land-surface datum, level with old measuring point.

Water level, in feet below land-surface datum, 1944

Apr. 27	19.83	June 17	18.65	Oct. 9	19.32	Dec. 6	19.33
May 12	19.44	Aug. 30	19.74	Nov. 14	19.34		

23 (*886, p. 160; 908, p. 65; 938, p. 75; 946, p. 93; *988, p. 82). Fry. NW¼SE¼ sec. 24, T. 28 S., R. 29 W., in Montezuma. Water levels, in feet below land-surface datum, 1944: Mar. 1, 113.10; June 17, 113.04; Aug. 30, 112.91; Dec. 6, 111.39.

28 (*886, p. 161; 908, p. 66; 938, p. 75; 946, p. 94; *988, p. 82). W. H. McLaughton. SE¼SE¼ sec. 14, T. 27 S., R. 29 W. Water levels, in feet below land-surface datum, 1944: Mar. 1, 78.82; June 17, 77.29; Aug. 30, 76.68; Dec. 6, 76.18.

Hamilton County

By Thad G. McLaughlin

Highest and lowest recorded water levels in 5 wells in Hamilton County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
3	5	11.57	July 7, 1942	14.67	Nov. 16, 1939
6	5	49.74	May 20, 1942	53.73	Nov. 16, 1939
7	5	42.25	Dec. 2, 1944	46.00	Nov. 27, 1940
16	5	84.48	Dec. 2, 1944	a 80.09	June 24, 1944
17	5	39.47	Aug. 12, 1943	43.48	May 15, July 18, 1940

a May have been affected by pumping.

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record in 5 wells in Hamilton County

Well	Difference between highest and lowest levels	Net rise in 1944 a/	Net rise for period of record
3	3.10	0.04	0.90
6	4.00	.87	1.52
7	3.75	1.61	3.52
16	3.57	1.10	1.24
17	4.01	.36	2.83

a Between last measurement in 1943 and last measurement in 1944.

3 (*886, p. 162; 908, p. 69; 938, p. 77; 946, p. 95; *988, p. 83). B. Rees. SW¼NW¼ sec. 8, T. 24 S., R. 40 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	13.32	Apr. 15	13.27	July 8	12.07	Oct. 21	13.02
Feb. 18	13.30	May 19	12.66	Aug. 4	12.23	Nov. 25	12.20
Mar. 10	13.29	June 24	11.92	Sept. 2	12.38	Dec. 2	13.23

6 (*886, p. 163; 908, p. 69; 938, p. 77; 946, p. 95; *988, p. 83). Belle Heinlein. SW¼SW¼ sec. 24, T. 24 S., R. 39 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	52.19	Apr. 15	51.88	July 8	51.27	Oct. 21	52.03
Feb. 18	52.13	May 19	51.49	Aug. 4	51.44	Nov. 25	51.97
Mar. 11	52.05	June 24	50.56	Sept. 1	51.70	Dec. 2	51.92

7 (*886, p. 163; 908, p. 69; 938, p. 77; 946, p. 95; *988, p. 83). I. E. Martin. NW¼SW¼ sec. 16, T. 23 S., R. 40 W. Water levels, in feet below land-surface datum, 1944: Mar. 10, 43.82; June 24, 43.79; Sept. 2, 42.70; Dec. 2, 42.25.

8 (*886, p. 163; 908, p. 69; 938, p. 77; 946, p. 95; *988, p. 83). R. D. Woodman. Measurements discontinued after December 1943.

16 (*886, p. 163; 908, p. 70; 938, p. 78; 946, p. 96; *988, p. 83). Charles H. Miller. SE¼SW¼ sec. 22, T. 25 S., R. 39 W. Water levels, in feet below land-surface datum, 1944: Mar. 11, 87.98; June 24, 88.09; Dec. 2, 84.48.

17 (*886, p. 163; 908, p. 70; 938, p. 78; 946, p. 96; *988, p. 83). Thomas A. Wells. NW¼NW¼ sec. 11, T. 25 S., R. 39 W. Water levels, in feet below land-surface datum, 1944: Mar. 11, 40.71; June 24, 40.62; Sept. 1, 40.33; Dec. 2, 40.43.

Harvey County

By Orville Van Meter

Highest and lowest recorded water levels in 25 wells in Harvey County that are not affected by pumping, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
72	7	17.88	July 3, 1944	25.35	Oct. 7, 1937
294	7	33.09	May 8, 1944	40.92	Apr.3,4,5,1938
325	7	7.94	Sept. 1, 1944	13.01	June 4, 1939
701	7	34.18	Nov. 6, 1944	44.23	Nov. 2, 1938
817	6	6.67	Apr. 28, 1944	17.12	Oct. 25, 1940
824	6	8.29	Apr. 29, 1944	18.16	Nov. 5, 1940
831	6	12.95	May 19, 1944	20.54	Nov. 5, 1940
832	6	14.15	May 19, 1944	20.35	Nov. 5, 1940
833	6	5.60	May 6, 1944	11.49	Mar. 1, 1944
852	6	9.27	May 6, 1944	16.66	Nov. 5, 1940
853	6	6.23	May 6, 1944	11.69	Jan. 14, 1944
854	6	5.57	Apr. 28, 1944	14.87	Nov. 1, 1940
875	6	a +.59	Apr. 28, 1944	6.04	Oct. 25, 1940
876	6	21.79	Dec. 22, 1944	27.83	Nov. 8, 1940
877	6	10.94	Dec. 22, 1944	14.95	Jan. 27, 1941
880	6	2.76	July 5, 1941	7.00	Jan. 14, 1944
881	6	3.24	July 5, 1941	7.09	Jan. 7, 1944
888	6	a +.21	July 5, 1941	8.95	Oct. 27, 1939
889	6	.89	May 6, 1944	8.13	Dec. 10, 1943
890	6	1.12	Apr 28, 1944	7.07	Nov. 5, 1940
891	6	a +.46	May 11, 1942	4.27	June 4, 1941
892	6	a 1.15	May 12, 1944	3.92	Oct. 3, 1940
893	6	a +.87	May 4, 1942	3.77	Jan. 27, 1941
1,174	4	3.20	May 9, 1944	9.04	July 8, 1943
1,187	4	6.59	July 7, 1942	10.31	Mar. 1, 1944

a Above land-surface datum.

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 25 wells in Harvey County that are not affected by pumping

Well	Difference between highest and lowest levels	Net rise in 1944 [a]	Net rise (+) or net decline (-) for period of record
72	7.47	1.32	+6.39
294	7.83	1.02	+2.57
325	5.07	2.64	+5.40
701	10.05	.75	+5.73
817	10.45	2.62	+2.01
824	9.87	2.32	+2.51
831	7.59	2.66	+2.21
832	6.20	1.73	+1.19
833	5.89	1.53	-.84
852	7.39	2.18	+1.34
853	5.46	.60	+.40
854	9.30	3.93	+3.85
875	6.63	3.71	+6.32
876	6.04	2.75	+3.12
877	4.01	4.90	+3.75
880	4.24	1.75	+.82
881	3.85	1.59	+.33
888	9.16	6.06	+4.91
889	7.24	2.85	+.86
890	5.95	2.83	+3.09
891	4.73	2.78	+3.06
892	5.07	2.93	+3.71
893	4.64	1.26	+1.68
1,174	5.84	1.72	+2.10
1,187	3.72	1.89	-1.65

a Between last measurement in 1943 and last measurement in 1944.

Highest and lowest recorded water levels in 104 wells in Harvey County that are pumped or affected by pumping, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest recorded water level (feet)	Date
2	7	2.40	Apr. 26, 1942	9.55	Mar. 10, 1944
3	6	7.09	June 12, 1940	20.94	Oct. 5, 1944
66d	6	46.17	Oct. 5, 1938 Dec. 21, 1943	53.45	Mar. 31, 1944
86	4	10.69	Apr. 28, 1944	18.96	Sept.30, 1943
87	4	8.86	Apr. 28, 1944	18.54	May 16, 1941
87a	4	9.62	Apr. 28, 1944	19.74	June 30, 1944
506	6	3.61	Apr. 28, 1944	16.36	Aug. 11, 1941
507	6	3.23	May 6, 1944	14.56	Dec. 10, 1943
821	6	12.03	Aug. 21, 1939	19.19	Dec. 29, 1944
839	6	9.62	Aug. 21, 1939	17.94	Mar. 7, 1944
872	6	17.65	Mar. 11, 1939	31.03	Dec. 29, 1944
873	6	17.61	Mar. 11, 1939	31.13	Dec. 1, 1944
874	6	20.04	May 27, 1940	41.14	Dec. 1, 1943
878	6	16.25	June 3, 1940	24.51	Dec. 8, 1944
879	6	17.52	May 27, June 3, 1940	27.52	Nov. 17, 1944
883	6	13.35	Aug. 21, 1939	22.46	Nov. 2, 1944
884	6	13.34	Aug. 21, 1939	22.20	Mar. 7, 1944
885	6	13.22	Aug. 21, 1939	23.05	Mar. 7, 1944
886	6	2.34	Aug. 21, 1939	15.35	June 30, 1944
887	6	2.72	May 27, 1940	16.00	Nov. 1, 1944
894	6	9.56	May 27, 1940	20.56	Nov. 2, 1944
895	6	10.04	May 27, 1940	23.28	Oct. 5, 1944
1,112	5	15.98	May 9, 1944	17.89	Nov. 4, 1940
1,186	4	9.15	Apr. 28, 1944	12.85	Feb. 25, 1944
1,188	4	3.69	June 26, 1942	9.19	Jan. 28, 1944
1,189	4	6.50	Apr. 26, 1942	11.66	Mar. 3, 1944
1,192	4	15.20	June 1, 1944	16.45	Mar. 8, 1944
2,072	3	32.96	Oct. 25, 1941	34.97	Dec. 8, 15, 1944
2,088	1	3.90	Apr. 28, 1944	8.69	Mar. 3, 1944
M-1	6	18.56	Apr. 13, 1939	34.36	Apr. 19, 1943
M-1a	6	17.47	June 3, 1940	30.99	Apr. 19, 1943
M-1b	6	15.94	June 3, 1940	29.51	Apr. 19, 1943
M-2	6	18.33	May 4, 1939	45.00	Oct. 5, 1943 Mar. 8, 1944
M-2a	6	17.84	June 3, 1940	40.90	Sept. 9, 1940
M-2b	6	20.25	May 27, 1940	40.96	Mar. 8, 1944
M-3	6	23.20	May 8, 1939	40.57	Aug. 25, 1941
M-3a	6	19.93	May 27, 1940	37.72	Aug. 25, 1941
M-3b	6	23.13	May 27, 1940	42.90	Aug. 25, 1941
M-4	6	23.12	May 27, 1940	43.66	Apr. 1, 1944
M-4a	6	22.87	May 27, 1940	41.96	Oct. 5, 1943
M-4b	6	23.91	May 27, 1940	41.67	Apr. 1, 1944
M-5	6	20.33	May 16, 1939	38.46	Oct. 8, 1940
M-5a	6	17.79	June 3, 1940	30.17	Feb. 1, 1944
M-5b	6	17.82	May 27, 1940	29.76	Feb. 1, 1944
M-6	6	19.05	May 27, 1940	31.18	Aug. 3, 1944
M-6a	6	18.63	June 3, 1940	30.21	Apr. 1, 1944
M-6b	6	18.46	June 3, 1940	30.29	Aug. 31, 1944
M-7	6	11.03	June 13, 1939	21.61	Nov. 2, 1944
M-7a	6	11.20	Aug. 21, 1939	20.98	Nov. 2, 1944
M-7b	6	11.24	Aug. 21, 1939	21.39	Dec. 6, 1944
M-8	6	15.93	May 27, 1940	30.67	Dec. 6, 1944
M-8a	6	14.72	June 3, 1940	27.46	Dec. 6, 1944
M-8b	6	13.30	June 3, 1940	26.06	Dec. 6, 1944
M-9	6	10.82	May 27, 1940	26.47	Aug. 31, 1944
M-9a	6	10.40	May 27, 1940	24.65	Aug. 31, 1944
M-9b	6	9.12	May 27, 1940	23.41	Aug. 31, 1944
M-10	6	12.05	May 27, 1940	29.59	Oct. 5, 1944
M-10a	6	11.24	May 27, 1940	27.00	Oct. 5, 1944
M-10b	6	10.44	May 27, 1940	25.70	Oct. 5, 1944
M-11	6	7.11	May 27, 1940	22.24	Dec. 6, 1944

Highest and lowest recorded water levels in 104 wells in Harvey County that are pumped or affected by pumping, in feet below land-surface datum--Cont.

Well	Length of record (years)	Highest level (feet)	Date	Lowest recorded water level (feet)	Date
M-11a	6	6.38	May 27, 1940	20.86	Dec. 6, 1944
M-11b	6	7.67	May 27, 1940	22.20	Dec. 6, 1944
M-12	6	11.41	Aug. 21, 1939	28.94	July 3, 1943
M-12a	6	10.73	May 27, 1940	27.21	July 3, 1943
M-12b	6	11.70	Aug. 21, 1939 Nov. 27, 1940	28.17	July 3, 1943
M-13	6	8.27	Aug. 21, 1939	22.83	Nov. 2, 1944
M-13a	6	7.89	May 27, 1940	21.26	Dec. 6, 1944
M-13b	6	7.63	May 27, 1940	22.20	Dec. 6, 1944
M-14	6	9.07	May 27, 1940	24.30	Nov. 9, 1943
M-14a	6	8.31	Apr. 4, 1939	24.35	Nov. 9, 1943
M-14b	6	8.16	May 13, 27; June 3, 1940	24.15	Nov. 9, 1943
M-15	6	13.92	Apr. 17, 1939	25.61	Nov. 2, 1944
M-15a	6	12.49	May 27, 1940	24.54	Nov. 2, 1944
M-15b	6	13.45	May 27, 1940	25.53	Nov. 2, 1944
M-16	6	10.71	Aug. 21, 1939	22.56	Oct. 5, 1944
M-16a	6	10.93	Aug. 21, 1939	21.85	Oct. 5, 1944
M-16b	6	11.02	May 27, 1940	20.34	Oct. 5, 1944
M-17	6	6.58	Aug. 21, 1939	16.09	Dec. 1, 1943
M-17a	6	5.66	Aug. 21, 1939	14.54	Dec. 1, 1943
M-17b	6	4.01	Aug. 21, 1939	13.02	Dec. 1, 1943
M-18	6	10.00	Aug. 21, 1939	20.76	Aug. 31, 1944
M-18a	6	9.62	Aug. 21, 1939	16.88	Dec. 1, 1943
M-18b	6	9.38	Aug. 21, 1939	16.55	Dec. 1, 1943
M-19	6	10.82	Aug. 21, 1939	18.06	Apr. 1, 1944
M-19a	6	13.11	Aug. 21, 1939	20.33	Apr. 1, 1944
M-19b	6	11.47	Aug. 21, 1939	19.45	Apr. 1, 1944
M-20	6	9.74	May 27, 1940	23.85	May 9, 1944
M-20a	6	9.28	May 27, 1940	23.36	Jan. 12, 1944
M-20b	6	8.49	May 27, 1940	23.94	Jan. 12, 1944
M-21	6	8.32	Aug. 21, 1939	16.73	Dec. 1, 1943
M-21a	6	8.50	Aug. 21, 1939	17.09	Mar. 7, 1944
M-21b	6	8.08	Aug. 21, 1939	16.71	Mar. 7, 1944
M-22	6	9.20	Aug. 21, 1939	19.03	Feb. 11, 1944
M-22a	6	8.49	Aug. 21, 1939	18.53	Feb. 1, 1944
M-22b	6	9.28	Aug. 21, 1939	19.47	Feb. 1, 1944
M-23	6	7.85	Aug. 21, 1939	17.03	Dec. 23, 1940
M-23a	6	8.27	Aug. 21, 1939	16.31	Jan. 11, 1944
M-23b	6	7.50	Aug. 21, 1939	15.44	Feb. 1, 1944
M-24	6	8.71	Aug. 21, 1939	15.35	Nov. 9, 1943
M-24a	6	8.88	Aug. 21, 1939	15.66	Nov. 9, 1943
M-24b	6	11.17	Aug. 28, 1939	17.50	Nov. 9, 1943
M-25	6	5.54	Aug. 21, 1939	11.97	Mar. 7, 1944
M-25a	6	5.31	Aug. 21, 1939	12.37	Mar. 7, 1944
M-25b	6	6.89	Aug. 21, 1939	13.84	Mar. 7, 1944

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 103 wells in Harvey County that are pumped or are affected by pumping

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 a/	Net rise (+) or net decline (-) for period of record b/
2	7.15	+2.31	-0.79
3	13.85	-1.78	-11.71
66d	7.28	+3.30	-3.94
86	8.27	+.78	+.70
87	9.68	+1.13	+.54
87a	10.12	+.13	-.72
506	12.75	+2.69	-7.73
507	11.33	+1.38	-2.00
821	7.16	-.64	-6.93
839	8.32	+1.33	-4.16

a Calculated from last measurements of 1943 and 1944 made when wells or nearby wells were not pumping.

b Calculated from measurements made when wells or nearby wells were not pumping.

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 103 wells in Harvey County that are pumped or are affected by pumping--Continued

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 [a]	Net rise (+) or net decline (-) for period of record [b]
872	13.38	+.96	-13.33
873	13.52	-.74	-13.49
874	21.10	+2.32	-17.64
878	8.26	-1.01	-8.00
879	10.00	-.47	-9.28
883	9.11	-.94	-6.93
884	8.86	-.53	-5.96
885	9.83	-2.40	-6.55
886	13.01	+.94	-9.30
887	13.28	+1.34	-9.44
894	11.00	-.44	-8.45
895	13.24	-2.15	-11.05
1,112	1.91	+.93	+.56
1,186	3.70	+1.31	-.85
1,188	5.50	-.18	-3.31
1,189	5.16	+.15	-3.70
1,192	1.25	+.74	+.79
2,072	2.01	-.54	-2.01
M-1	15.80	+2.53	-6.42
M-1a	13.52	+2.49	-4.77
M-1b	13.57	+2.50	-5.22
M-2	26.67	+13.31	-11.99
M-2a	23.06	+11.26	-6.89
M-2b	20.71	+7.38	-9.55
M-3	17.27	-.19	-15.09
M-3a	17.79	+.71	-16.43
M-3b	19.77	-.16	-15.46
M-4	20.54	+4.21	-16.11
M-4a	19.09	+5.63	-12.15
M-4b	17.76	+4.75	-11.81
M-5	18.13	+2.82	-13.50
M-5a	12.38	+.11	-11.51
M-5b	11.94	+.18	-11.60
M-6	12.13	-2.94	-8.86
M-6a	11.58	-1.70	-10.43
M-6b	11.83	-.10	-8.71
M-7	10.58	-1.34	-9.11
M-7a	9.78	-.84	-8.90
M-7b	10.15	-1.15	-9.24
M-8	14.74	-3.89	-12.55
M-8a	12.74	-2.65	-12.16
M-8b	12.76	-2.75	-12.25
M-9	15.65	-3.18	-14.97
M-9a	14.25	-2.08	-13.67
M-9b	14.29	-2.23	-13.67
M-10	17.54	-3.80	-15.77
M-10a	15.76	-2.70	-15.04
M-10b	15.26	-2.55	-14.55
M-11	15.13	-3.41	-14.57
M-11a	14.48	-2.55	-13.78
M-11b	14.53	-2.55	-13.78
M-12	17.53	-1.26	-10.13
M-12a	16.48	+1.19	-10.77
M-12b	16.47	+1.12	-10.93
M-13	14.56	-3.26	-13.03
M-13a	13.37	-1.68	-12.32
M-13b	14.57	-1.72	-13.40
M-14	15.23	+.10	-15.52
M-14a	16.04	+2.05	-13.99
M-14b	15.99	+1.75	-14.22
M-15	11.69	-3.48	-12.69
M-15a	12.06	-1.80	-11.36
M-15b	12.08	-1.74	-11.38

a Calculated from last measurements of 1943 and 1944 made when wells or nearby wells were not pumping.

b Calculated from measurements made when wells or nearby wells were not pumping.

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 103 wells in Harvey County that are pumped or are affected by pumping--Continued

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 [a]	Net rise (+) or net decline (-) for period of record [b]
M-16	11.85	-1.77	-11.01
M-16a	10.92	-.73	-9.99
M-16b	9.32	-1.04	-8.56
M-17	9.51	+.69	-8.10
M-17a	8.88	+1.00	-6.37
M-17b	9.01	+.73	-6.91
M-18	10.76	+.43	-6.05
M-18a	7.26	+1.22	-5.02
M-18b	7.17	+1.25	-4.77
M-19	7.24	-.36	-5.99
M-19a	7.22	-.27	-4.93
M-19b	7.98	-.85	-5.61
M-20	14.11	-.89	-12.62
M-20a	14.08	-.19	-12.34
M-20b	15.45	-.17	-12.21
M-21	8.41	+1.68	-4.50
M-21a	8.59	+2.61	-.77
M-21b	8.63	+2.55	-3.74
M-22	9.83	+1.41	-4.23
M-22a	10.04	+1.91	-3.94
M-22b	10.19	+2.15	-3.95
M-23	9.18	+3.45	-.06
M-23a	8.14	+3.29	-.49
M-23b	7.94	+3.26	-.58
M-24	6.64	+1.09	-3.32
M-24a	6.78	+1.72	-3.85
M-25b	6.33	+1.66	-3.55
M-25	6.43	+.23	-2.22
M-25a	7.06	+1.28	-.40
M-25b	6.95	+1.03	-3.54

a Calculated from last measurements of 1943 and 1944 made when wells or nearby wells were not pumping.

b Calculated from measurements made when wells or nearby wells were not pumping.

Pumpage from city of Wichita wells M-1 to M-25 in millions of gallons, in 1944 and since beginning of pumping on Sept. 1, 1940

Well	1944	Total 1940-44
M-1	426.8	1,257.2
M-2	17.9	441.0
M-3	369.0	1,142.7
M-4	155.6	439.8
M-5	120.5	554.0
M-6	152.3	729.2
M-7	430.7	1,154.2
M-8	348.6	1,079.5
M-9	284.0	993.5
M-10	234.5	919.9
M-11	343.0	1,075.3
M-12	326.5	960.7
M-13	185.5	905.2
M-14	242.4	946.4
M-15	195.3	895.1
M-16	301.4	1,041.5
M-17	368.8	1,163.9
M-18	363.3	1,231.7
M-19	193.0	577.6
M-20	291.6	908.3
M-21	231.5	1,219.4
M-22	180.8	501.9

Pumpage from city of Wichita wells M-1 to M-25 in millions of gallons, in 1944 and since beginning of pumping on Sept. 1, 1940--Cont.

Well	1944	Total 1940-44
M-23	326.1	1,040.7
M-24	195.9	1,020.2
M-25	329.5	1,074.0
	6,641.5	23,273.7

72 (*840, p. 102; 845, p. 118, 886, p. 202; 908, p. 77; 938, p. 83; 946, p. 102; *988, p. 89). Anna Hertzler. SW¼NE¼SE¼ sec. 16, T. 22 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	21.07	June 3	17.88	Sept. 2	19.72	Nov. 6	19.47
Mar. 30	20.10	July 6	19.61	Oct. 3	19.76	Dec. 7	18.96
May 8	18.03	Aug. 7	19.83				

294 (*840, p. 103; 845, p. 119; 886, p. 202; 908, p. 77; 938, p. 84; 946, p. 102; 988, p. 89). Owner of well, J. B. Schmidt; lessee, Hollow Oil Co. SE¼NW¼ sec. 17, T. 22 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	37.05	Mar. 30	35.85	July 6	34.57	Oct. 3	35.18
31	36.92	May 8	33.09	Aug. 7	34.63	Nov. 6	35.82
Feb. 29	36.99	June 2	33.60	Sept. 2	34.83	Dec. 4	35.88

325 (*840, p. 103; 845, p. 120; 886, p. 203; 908, p. 78; 938, p. 84; 946, p. 102; *988, p. 89). A. L. Gouldner. SW. corner SE¼ sec. 19, T. 23 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Jan. 28	10.16	June 2	8.08	Sept. 1	7.94	Dec. 1	8.22
Mar. 31	9.72	July 1	8.48	29	8.06	29	7.37
Apr. 28	8.29	Aug. 2	8.29	Nov. 3	8.03		

701 (*845, p. 121; 886, p. 204; 908, p. 79; 938, p. 85; 946, p. 102; *988, p. 89). Dr. V. E. Cheskey. NE. corner NW¼ sec. 3, T. 23 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	34.96	Mar. 31	34.95	July 8	34.62	Oct. 3	34.27
31	35.01	Apr. 29	34.91	Aug. 7	34.42	Mar. 6	34.18
Mar. 1	35.01	June 3	34.80	Sept. 2	34.35	Dec. 4	34.26

817 (*845, p. 121; 886, p. 204; 908, p. 79; 938, p. 85; 946, p. 102; 103; *988, p. 89). City of Wichita. NW. corner sec. 1, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	15.86	Apr. 7	14.19	July 21	12.37	Oct. 13	13.66
14	15.82	14	9.83	Aug. 2	13.45	20	13.98
21	15.49	21	10.89	4	13.62	27	14.29
28	15.48	28	6.67	11	14.07	Nov. 3	14.39
Feb. 4	15.46	May 6	6.92	18	14.49	10	14.24
11	15.72	12	8.34	25	14.46	17	14.48
18	15.72	19	9.32	Sept. 1	14.08	24	14.55
25	15.62	26	10.46	8	14.48	Dec. 1	14.47
Mar. 3	15.57	June 2	10.74	15	14.74	8	12.68
10	15.39	July 1	13.37	22	15.01	15	12.71
17	14.46	7	13.82	29	14.72	22	12.94
24	13.49	14	11.37	Oct. 6	13.44	29	13.23

824 (*845, p. 122; 886, p. 205; 908, p. 80; 938, p. 86; 946, p. 103; *988, p. 89). City of Wichita. SE. corner sec. 22, T. 24 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	13.79	Mar. 31	11.63	July 6	10.81	Oct. 3	12.37
31	13.55	Apr. 29	8.29	Aug. 7	11.34	Nov. 6	11.53
Mar. 1	13.31	June 3	9.29	30	11.51	Dec. 4	11.68

831 (*886, p. 205; 908, p. 80; 938, p. 86; 946, p. 103; *988, p. 89). City of Wichita. NE. corner sec. 19, T. 24 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	19.49	Mar. 31	17.60	July 6	16.72	Oct. 3	16.02
31	19.20	May 19	12.95	Aug. 7	16.08	Nov. 6	16.58
Mar. 1	19.54	June 3	14.27	Sept. 2	16.37	Dec. 4	16.64

832 (*886, p. 205; 908, p. 80; 938, p. 86; 946, p. 103; *988, p. 90). City of Wichita. NE. corner sec. 19, T. 24 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	19.36	Mar. 31	17.50	July 6	16.69	Oct. 3	16.81
31	19.05	May 19	13.65	Aug. 7	16.68	Nov. 6	17.32
Mar. 1	19.49	June 3	13.83	Sept. 2	17.19	Dec. 4	17.49

833 (*886, p. 205; 908, p. 80; 938, p. 86; 946, p. 103; *988, p. 90). City of Wichita. SW. corner sec. 19, T. 24 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	11.27	Mar. 31	9.68	July 6	8.62	Oct. 3	8.77
31	11.37	May 6	5.60	Aug. 7	8.99	Nov. 6	9.43
Mar. 1	11.49	June 3	7.14	30	9.39	Dec. 4	9.60

852 (*886, p. 206; 908, p. 80; 938, p. 86; 946, p. 103; *988, p. 90). City of Wichita. NE. corner sec. 29, T. 24 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.14	Mar. 31	13.32	July 6	12.77	Oct. 3	13.17
31	16.15	May 6	9.27	Aug. 7	12.95	Nov. 6	13.65
Mar. 1	16.37	June 3	11.39	30	13.30	Dec. 4	13.81

853 (*845, p. 122; 886, p. 206, 908, p. 80; 938, p. 87; 946, p. 103; *988, p. 90). City of Wichita. NW. corner sec. 13, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	11.14	Mar. 31	9.44	July 21	8.33	Oct. 13	8.63
14	11.69	Apr. 7	9.71	Aug. 2	8.72	20	9.01
21	11.07	14	7.93	4	9.09	27	9.37
28	11.07	21	8.29	11	9.31	Nov. 3	9.50
Feb. 4	11.10	28	6.65	18	9.60	10	9.44
11	11.19	May 6	6.23	25	9.50	17	9.76
18	11.25	12	7.08	Sept. 1	9.38	24	9.79
25	11.23	19	7.52	8	9.71	Dec. 1	9.84
29	11.24	26	8.03	15	9.91	8	8.31
Mar. 3	11.11	June 2	7.99	22	10.09	15	8.37
10	11.02	July 1	9.10	29	9.22	22	8.53
17	11.18	7	9.30	Oct. 6	8.22	29	8.74
24	9.20	14	7.74				

854 (*845, p. 122; 886, p. 206; 908, p. 81; 938, p. 87; 946, p. 104; *988, p. 90). City of Wichita. SW. corner sec. 23, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	12.79	Apr. 7	10.80	July 21	8.43	Oct. 13	8.80
14	12.64	14	7.67	Aug. 2	9.22	20	9.26
21	12.53	21	9.05	4	9.37	24	10.01
28	12.55	28	5.57	11	9.73	27	9.70
Feb. 4	12.50	May 6	5.77	18	10.16	Nov. 3	9.85
11	12.69	12	6.92	25	9.68	10	9.82
18	12.71	19	7.43	Sept. 1	9.54	17	10.10
25	12.49	26	8.14	8	10.03	Dec. 1	10.20
Mar. 3	12.37	June 2	8.07	15	10.21	8	7.66
10	12.36	July 1	9.75	22	10.52	15	8.18
17	11.08	7	10.04	29	9.79	22	8.45
24	9.94	14	7.49	Oct. 6	8.24	29	8.79
31	10.48						

875 (*886, p. 208; 908, p. 82; 938, p. 86; 946, p. 104; *988, p. 91). Owner of well, city of Wichita; owner of property, A. B. Havely. SE. corner sec. 17, T. 23 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	3.74	Apr. 7	0.86	July 21	0.71	Oct. 13	0.32
14	3.42	14	a +.50	Aug. 2	1.35	20	.65
21	3.34	21	a +.31	4	1.52	27	1.10
28	3.21	28	a +.59	11	1.84	Nov. 3	1.10
Feb. 4	2.96	Mar. 6	a +.34	18	.75	10	.66
11	3.30	12	.15	25	.23	17	1.04
18	3.29	19	.20	Sept. 1	.39	24	.67
25	2.77	26	.71	8	1.02	Dec. 1	.81
Mar. 3	2.62	June 2	.45	15	1.37	8	a +.53
10	2.41	30	2.09	22	1.83	15	a +.40
17	1.06	July 7	2.48	29	.33	22	a +.12
24	.11	14	.51	Oct. 6	a +.12	29	.00
31	.51						

a Above land-surface datum.

876 (*886, p. 208; 908, p. 82; 938, p. 88; 946, p. 104; *988, p. 91). Owner of well, city of Wichita; owner of property, H. B. Havely. SE. corner sec. 17, T. 23 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	24.57	Apr. 7	23.77	July 21	22.58	Oct. 13	22.56
14	24.70	14	23.41	Aug. 2	22.45	20	22.30
21	24.81	21	23.05	4	22.46	26	22.41
28	24.85	28	22.57	11	22.64	Nov. 3	22.44
Feb. 4	24.83	May 6	22.19	18	22.81	10	22.45
11	24.82	12	22.10	25	22.79	17	22.63
18	24.83	19	21.99	Sept. 1	22.67	24	22.55
25	24.81	26	21.97	8	22.69	Dec. 1	21.38
Mar. 3	24.78	June 2	21.97	15	22.71	8	22.10
10	24.77	30	22.75	22	22.91	15	21.83
17	24.58	July 7	22.96	29	22.90	22	21.79
24	23.25	14	22.93	Oct. 6	22.75	29	21.83
31	23.94						

877 (*886, p. 208; 908, p. 82; 938, p. 88; 946, p. 104; *988, p. 91). Owner of well, city of Wichita; owner of property, A. B. Havely. SE. corner sec. 17, T. 23 S., R. 3 W.

Lowest daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.21	13.41	13.50	12.96	11.76	11.52	11.96	.....	11.47	11.57	11.32	11.53
2	13.19	13.38	13.48	12.99	11.72	11.51	11.93	11.55	11.47	11.57	11.35	11.53
3	13.19	13.40	13.45	12.99	11.67	11.50	11.96	11.55	11.49	11.52	11.36	11.51
4	13.21	13.38	13.48	12.97	11.67	11.54	11.98	11.55	11.52	11.44	11.40	11.44
5	13.24	13.40	13.48	12.95	11.66	11.63	11.99	11.60	11.52	11.36	11.40	11.30
6	13.23	13.40	13.49	12.94	11.60	11.67	12.00	11.61	11.54	11.34	11.38	11.24
7	13.25	13.39	13.52	12.90	11.58	11.67	12.00	11.61	11.50	11.36	11.36	11.15
8	13.28	13.40	13.52	12.90	11.57	11.61	12.03	11.63	11.49	11.36	11.34	11.07
9	13.27	13.40	13.52	12.87	11.59	11.66	11.89	11.65	11.53	11.33	11.36	11.06
10	13.25	13.45	13.47	12.80	11.59	....	11.89	11.65	11.53	11.32	11.38	11.06
11	13.32	13.47	13.46	12.72	11.60	.....	11.84	11.66	11.54	11.31	11.37	11.05
12	13.33	13.47	13.49	12.70	11.61	.....	11.70	11.68	11.55	11.31	11.35	11.04
13	13.34	13.46	13.48	12.64	11.60	.....	11.63	11.68	11.56	11.27	11.35	11.01
14	13.30	13.43	13.46	12.48	11.54	.....	11.53	11.70	11.56	11.27	11.39	11.01
15	13.30	13.44	13.39	12.51	11.52	.....	11.52	11.73	11.58	11.30	11.45	10.95
16	13.32	13.44	13.39	12.53	11.50	.....	11.51	11.74	11.63	11.32	11.48	10.95
17	13.33	13.46	13.32	13.51	11.48	.....	11.50	11.74	11.65	11.32	11.50	10.94
18	13.33	13.49	13.31	12.49	11.49	.....	11.50	11.78	11.65	11.28	11.50	10.95
19	13.33	13.49	13.31	12.48	11.50	.....	11.51	11.78	11.66	11.27	11.43	10.96
20	13.34	13.48	13.27	12.41	11.50	.....	11.51	11.77	11.68	11.27	11.44	10.93
21	13.35	13.47	13.25	12.36	11.50	.....	11.52	11.73	11.73	11.31	11.47	11.00

877. Owner of well, city of Wichita--Continued.

Lowest daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
22	13.36	13.47	13.18	12.28	11.50	.....	11.52	11.73	11.74	11.32	11.47	10.94
23	13.36	13.47	13.17	12.20	11.51	.....	11.50	11.70	11.76	11.32	11.43	10.99
24	13.33	13.45	13.03	12.15	11.51	.....	11.50	11.67	11.77	11.30	11.43	10.99
25	13.34	13.42	13.05	12.10	11.53	.....	11.49	11.56	11.77	11.31	11.38	11.03
26	13.35	13.47	13.04	11.99	11.56	.....	11.50	11.56	11.76	11.35	11.44	11.05
27	13.38	13.51	13.02	11.99	11.55	.....	11.50	11.56	11.74	11.38	11.45	11.05
28	13.40	13.47	13.02	11.92	11.53	.....	11.51	11.56	11.61	11.38	11.45	11.05
29	13.40	13.50	13.01	11.90	11.53	.....	.....	11.54	11.58	11.36	11.48	11.01
30	13.39	.....	13.00	11.79	11.53	11.96	.....	11.48	11.57	11.34	11.51	11.02
31	13.41	.....	12.90	.....	11.52	.....	.....	11.49	.....	11.32	.....	11.04

880 (*886, p. 210; 908, p. 83; 938, p. 90; 946, p. 105; *988, p. 92). Owner of well, city of Wichita; owner of property, Peter Miller. SE. corner sec. 11, T. 24 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	6.99	Apr. 7	5.78	July 21	4.79	Oct. 13	5.59
14	7.00	14	4.77	Aug. 2	5.49	20	5.71
21	6.83	21	5.03	4	5.54	27	5.85
28	6.75	28	3.65	11	5.81	Nov. 3	6.00
Feb. 4	6.75	May 6	3.85	18	6.06	10	6.02
11	7.00	12	4.33	25	6.09	17	6.12
18	6.91	19	4.62	Sept. 1	5.79	24	6.18
25	6.94	26	4.98	8	6.05	Dec. 1	6.13
29	6.90	June 2	5.08	15	6.21	8	4.95
Mar. 10	6.60	July 1	5.93	22	6.25	15	4.93
17	6.24	7	6.13	29	6.21	22	5.03
24	5.74	14	3.68	Oct. 6	5.58	29	5.23
31	5.69						

881 (*886, p. 210; 908, p. 83; 938, p. 90; 946, p. 105; *988, p. 92). Owner of well, city of Wichita; owner of property, Peter Miller. SE. corner sec. 11, T. 24 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	7.09	Apr. 7	6.05	Aug. 2	5.73	Oct. 20	5.94
14	7.09	14	5.17	4	5.82	27	6.19
21	6.98	21	5.36	11	6.11	Nov. 3	6.27
28	6.92	28	4.15	18	6.34	10	6.24
Feb. 4	6.91	May 12	4.66	25	6.38	17	6.35
11	6.84	19	4.90	Sept. 1	6.05	24	6.39
18	7.05	26	5.24	8	6.31	Dec. 1	6.34
25	7.06	June 2	5.33	15	6.46	8	5.23
Mar. 10	6.78	July 1	6.16	22	6.51	15	5.27
17	6.36	7	6.38	29	6.40	22	5.37
24	5.90	14	4.12	Oct. 6	5.59	29	5.49
31	5.95	21	5.27	13	5.89		

888 (*886, p. 212; 908, p. 85; 938, p. 91; 946, p. 105; *988, p. 92). Owner of well, city of Wichita; owner of property, C. K. Ellis. NW. corner sec. 17, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	6.23	Apr. 7	0.98	July 21	1.68	Oct. 13	1.51
14	6.17	14	.03	Aug. 2	2.87	20	1.74
21	6.05	21	a +.01	4	2.91	27	2.34
28	5.73	28	a +.18	11	3.73	Nov. 3	1.66
Feb. 4	5.55	May 6	.02	18	2.01	10	.73
11	5.62	12	.43	25	1.63	17	1.48
18	5.55	19	.87	Sept. 1	1.30	24	.80
25	5.32	26	1.38	8	2.31	Dec. 1	.57
Nov. 3	4.37	June 2	.79	15	2.99	8	a +.10
10	3.55	July 1	3.42	22	3.55	15	a +.01
17	.84	7	4.11	29	1.06	22	.21
24	.28	14	.48	Oct. 6	.53	29	.12
31	.41						

a Above land-surface datum.

889 (*886, p. 212; 908, p. 85; 938, p. 91; 946, p. 106; *988, p. 93). Owner of well, city of Wichita; owner of property, C. K. Ellis. NW. corner sec. 17, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	7.07	Mar. 31	5.46	July 14	3.70	Oct. 6	4.68
14	7.74	Apr. 7	5.58	21	4.08	13	4.23
21	7.88	14	2.76	Aug. 2	4.11	20	4.39
28	7.82	21	2.36	4	4.13	Nov. 3	4.91
Feb. 4	7.68	28	.92	11	5.18	10	4.92
11	7.71	May 6	.89	18	5.50	17	4.80
18	7.84	12	1.95	25	5.14	24	4.12
25	7.74	19	1.97	Sept. 1	4.55	Dec. 1	3.71
Mar. 3	7.65	26	2.41	8	4.98	8	2.26
10	7.50	June 2	2.74	15	5.35	15	2.56
17	6.65	July 1	5.20	22	5.53	22	3.33
24	5.45	7	5.49	29	5.44	29	3.54

890 (*886, p. 212; 908, p. 85; 938, p. 92; 946, p. 106; *988, p. 93). Owner of well, city of Wichita; owner of property, J. F. Gorgenson. NE. corner SE¼SE¼ sec. 21, T. 24 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Jan. 28	4.87	June 2	2.16	Sept. 1	3.63	Nov. 3	3.52
Feb. 29	4.67	July 1	3.28	26	4.19	Dec. 1	3.49
Mar. 31	3.57	11	2.84	29	3.79	29	2.28
Apr. 28	1.12	Aug. 2	3.37	Oct. 27	5.23		

891 (*886, p. 213; 908, p. 85; 938, p. 92; 946, p. 106; *988, p. 93). Owner of well, city of Wichita; owner of property, Arthur McMurray. SE. corner sec. 31, T. 24 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	3.22	Apr. 3	2.35	July 1	2.98	Sept.30	2.87
31	2.97	May 12	1.23	Aug. 7	3.34	Nov. 4	2.90
Mar. 1	2.78	June 3	2.12	30	3.16	Dec. 5	.82

892 (*886, p. 213; 908, p. 86; 938, p. 92; 946, p. 106; *988, p. 93). Owner of well, city of Wichita; owner of property, Arthur McMurray. SE. corner sec. 31, T. 24 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	2.52	Apr. 3	1.54	July 1	1.59	Sept.30	1.36
31	2.23	May 12	a+1.15	Aug. 7	1.88	Nov. 4	1.53
Mar. 1	2.06	June 3	1.12	30	1.62	Dec. 5	a +.07

a Above land-surface datum.

893 (*886, p. 213; 908, p. 86; 938, p. 92; 946, p. 106; *988, p. 93). Owner of well, city of Wichita; owner of property, Arthur McMurray. SE. corner sec. 31, T. 24 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	2.35	Apr. 3	1.12	July 1	1.45	Sept.30	1.52
31	2.04	May 12	a +.43	Aug. 7	1.86	Nov. 4	1.54
Mar. 1	1.96	June 3	.59	30	1.74	Dec. 5	1.37

a Above land-surface datum.

1174 (*908, p. 87; 938, p. 93; 946, p. 106; *988, p. 93). City of Wichita. SW. corner sec. 32, T. 24 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Jan. 4	8.69	Apr. 1	6.67	July 1	5.75	Oct. 5	5.77
11	8.92	May 9	3.20	Aug. 3	6.41	Nov. 2	6.80
Feb. 1	8.89	June 1	4.41	31	6.77	Dec. 6	6.68
Mar. 7	8.72						

1187 (*988, p. 94). City of Wichita. NW. corner sec. 29, T. 24 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	10.22	Mar. 31	8.43	July 6	7.78	Oct. 3	7.85
31	10.15	May 6	2.67	Aug. 7	7.72	Nov. 6	8.13
Mar. 1	10.31	June 3	6.25	30	8.12	Dec. 4	8.24

Wells pumped or affected by pumping

2 (*946, p. 112; *988, p. 94). Langwalter Estate. NW¼SW¼NW¼ sec. 23, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	9.04	Apr. 7	8.70	July 21	6.41	Oct. 13	6.77
14	9.12	14	4.76	Aug. 2	7.27	20	7.49
21	9.17	21	7.05	4	7.41	27	7.77
28	9.19	28	2.69	11	7.76	Nov. 3	7.97
Feb. 4	9.25	May 6	3.95	18	8.05	10	8.15
11	9.29	12	5.70	25	8.10	17	8.26
18	9.40	19	6.11	Sept. 1	8.12	24	8.27
25	9.50	26	6.58	8	8.22	Dec. 1	8.30
Mar. 3	9.51	June 2	6.82	Sept.15	8.34	8	2.86
10	9.55	30	7.32	22	8.50	15	5.82
17	5.88	July 7	7.96	29	8.44	22	6.25
24	6.28	14	2.86	Oct. 6	6.04	29	6.68
31	7.98						

3 (*988, p. 94). Mrs. Emma Linn Webster. SE¼SE¼SW¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	19.34	Apr. 1	a 21.00	July 4	20.22	Oct. 5	20.94
Feb. 1	19.07	May 9	19.46	Aug. 3	20.42	Nov. 2	a 20.91
Mar. 8	a 19.40	June 1	a 20.83	31	20.66	Dec. 6	21.07

a Nearby well pumping.

66d (*988, p. 94). City of Newton. SW¼SW¼NE¼ sec. 32, T. 23 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	a 54.42	June 2	a 47.95	Aug. 2	a 50.34	Oct. 3	50.83
Mar. 1	a 54.03	30	a 52.87	7	49.69	Nov. 6	50.14
31	53.45	July 7	a 49.69	Sept. 2	50.34	Dec. 7	50.11
Apr. 29	a 50.96						

a Nearby well pumping.

86 (*988, p. 95). City of Halstead. NW¼NW¼SW¼ sec. 35, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	18.58	Apr. 28	10.69	Aug. 7	17.70	Nov. 6	17.90
Feb. 29	18.20	June 2	15.09	Sept. 1	17.62	Dec. 4	18.04
Mar. 31	16.77	30	17.88	Oct. 3	16.89		

87 (*988, p. 95). City of Halstead. NW¼NW¼SW¼ sec. 35, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 31	17.46	May 28	8.86	Aug. 7	a 31.33	Nov. 6	16.49
Feb. 29	16.93	June 2	14.44	Sept. 1	16.33	Dec. 4	a 30.57
Mar. 31	15.72	30	a 22.31	Oct. 3	a 29.97		

a Well pumping.

87a (*988, p. 95). City of Halstead. NW¼NW¼SW¼ sec. 35, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	18.81	Apr. 28	9.62	Aug. 7	a 31.82	Nov. 6	18.80
Feb. 29	18.39	June 2	15.42	Sept. 1	17.92	Dec. 4	a 31.28
Mar. 31	17.04	30	19.74	Oct. 3	a 30.84		

a Well pumping.

506 (*845, p. 120; 886, p. 203; 908, p. 78; 938, p. 84; 946, p. 107, 108; *988, p. 95). Owner of well, city of Wichita, owner of property, W. G. Backhaus. NW¼NE¼ sec. 28, T. 23 S., R. 2 W.

Lowest daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.49	15.52	15.95	13.90	3.93	10.84	.....	.....	13.63	14.11	14.17	14.02
2	15.53	15.58	15.92	13.97	3.94	10.92	.....	13.01	13.74	14.11	14.21	14.03
3	15.57	15.64	15.86	13.98	3.73	11.12	.....	13.13	13.85	13.85	14.22	14.03
4	15.58	15.64	15.86	14.04	2.97	11.32	.....	13.20	13.93	13.58	14.20	14.01
5	15.64	15.71	15.83	14.09	....	11.50	.....	13.36	14.00	13.37	14.11	13.20
6	15.68	15.72	15.64	14.09	3.95	11.60	.....	13.45	14.07	13.15	14.10	11.70
7	15.73	15.75	15.61	14.17	4.85	11.62	14.27	13.51	14.12	13.13	14.10	10.06
8	15.78	15.79	15.64	14.21	5.52	11.78	14.33	13.59	14.14	13.15	14.06	10.76
9	15.79	15.80	15.67	14.14	6.05	11.90	14.11	13.66	14.19	13.36	14.10	10.80
10	15.84	15.85	15.67	13.30	6.56	.....	12.87	13.73	14.24	13.33	14.14	10.90
11	15.90	15.87	15.74	10.55	7.00	.....	12.64	13.78	14.28	13.40	14.18	11.17
12	15.92	15.89	15.78	.....	7.28	.....	10.11	13.89	14.32	13.45	14.21	11.28
13	15.92	15.88	15.79	.....	7.42	.....	9.56	13.96	14.35	13.49	14.21	11.46
14	15.90	15.89	15.81	5.11	7.17	.....	9.75	14.04	14.40	13.60	14.19	11.59
15	15.94	15.90	15.69	5.83	7.58	.....	10.33	14.11	14.43	13.69	14.21	11.65
16	15.96	15.90	15.02	6.28	7.99	.....	10.67	14.14	14.50	13.73	14.21	11.77
17	15.96	15.94	14.07	6.74	8.38	.....	11.00	14.20	14.52	13.75	14.22	11.91
18	15.92	15.96	14.16	7.13	8.75	.....	11.22	14.23	14.54	13.60	14.22	11.99
19	15.82	15.97	14.25	7.28	8.95	.....	11.46	14.26	14.56	13.84	14.17	12.05
20	15.59	15.97	14.36	7.32	9.35	.....	11.65	14.27	14.61	13.86	14.18	12.13
21	15.30	15.97	14.36	7.13	9.53	.....	11.78	14.17	14.65	13.95	14.18	12.22
22	15.31	15.98	13.96	6.94	9.73	.....	12.00	14.17	14.68	13.96	14.17	12.22
23	15.32	15.95	13.20	3.55	9.99	.....	12.13	14.20	14.73	13.96	14.14	12.31
24	15.38	15.88	12.59	1.82	10.18	.....	12.28	14.20	14.75	13.95	14.09	12.33
25	15.34	15.84	12.81	1.85	10.44	.....	12.39	14.03	14.75	14.01	14.05	12.47
26	15.49	15.93	13.00	3.05	10.60	.....	12.53	13.93	14.77	14.07	14.01	12.49
27	15.53	15.96	13.21	3.53	10.77	.....	12.57	13.82	14.78	14.10	14.00	12.56
28	15.55	15.95	13.39	3.79	10.76	.....	12.57	13.66	14.66	14.11	13.92	12.58
29	15.47	15.96	13.54	4.21	10.50	.....	.....	13.32	14.20	14.12	13.93	12.58
30	15.43	.....	13.65	4.10	10.46	.....	.....	13.48	14.15	14.14	13.99	12.68
31	15.51	.....	13.71	4.00	10.65	.....	.....	13.58	.....	14.16	.....	12.74

507 (*845, p. 120; 886, p. 203; 908, p. 79; 938, p. 85, 946, p. 108; *988, p. 96). Owner of well, city of Wichita; owner of property, W. G. Backhaus. NW¼NE¼ sec. 28, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	12.96	Apr. 7	12.22	July 21	10.85	Oct. 13	11.13
14	13.89	14	6.01	Aug. 2	10.91	20	11.33
21	13.72	21	5.76	4	11.39	27	11.38
28	13.67	28	3.67	11	13.23	Nov. 3	11.65
Feb. 4	13.66	May 6	3.23	18	12.74	10	11.81
11	13.89	12	7.00	25	12.07	17	10.37
18	14.05	19	7.33	Sept. 1	11.48	24	9.48
25	13.15	26	8.61	8	12.11	Dec. 1	9.06
Mar. 3	13.76	June 2	8.50	15	12.75	8	7.15
10	13.94	30	12.01	22	12.72	15	9.24
17	12.46	July 7	12.28	29	12.33	22	9.48
24	11.31	14	9.43	Oct. 6	11.29	29	9.13
31	12.10						

821 (*886, p. 204; 908, p. 79; 938, p. 86, 946, p. 108; *988, p. 96). City of Wichita. NW. corner sec. 6, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	18.58	Mar. 31	19.10	July 21	18.62	Oct. 13	19.06
14	18.63	Apr. 7	19.11	Aug. 2	18.55	20	18.99
21	18.68	14	19.09	4	18.57	27	18.96
28	18.75	21	19.02	11	18.69	Nov. 3	18.93
Feb. 4	18.79	28	18.85	18	18.78	10	19.06
11	18.84	May 6	18.61	25	18.84	17	19.14
18	18.88	12	18.50	Sept. 1	18.90	24	19.18
25	18.92	19	18.48	8	18.94	Dec. 1	19.14
29	18.95	26	18.52	15	18.98	8	19.21
Mar. 3	18.95	June 2	18.58	22	19.01	15	19.18
10	18.99	30	18.82	29	19.05	22	19.10
17	19.04	July 7	18.93	Oct. 6	19.12	29	19.19
24	19.07	14	18.87				

839 (*845, p. 122; 886, p. 206; 908, p. 80; 938, p. 86; 946, p. 108; *988, p. 96). City of Wichita. NE. corner sec. 35, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	17.50	Mar. 31	16.90	June 2	13.97	Sept. 21	16.88
11	a 17.52	Apr. 1	16.89	July 1	15.04	29	16.88
28	a 17.53	28	a 15.48	4	15.14	Nov. 2	16.90
Feb. 1	17.47	May 9	14.40	Aug. 2	15.76	Dec. 1	17.10
29	a 17.84	June 1	a 13.96	31	16.56	29	16.15
Mar. 7	a 17.94						

a Nearby well pumping.

872 (*886, p. 207; 908, p. 81; 938, p. 87; 946, p. 109; *988, p. 96). Owner of well, city of Wichita; owner of property, D. C. Buller. SE. corner sec. 31, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	28.46	Mar. 31	29.00	June 2	28.86	Oct. 29	28.98
28	a 30.56	Apr. 1	29.00	July 1	a 28.74	Nov. 2	a 30.63
Feb. 1	a 30.41	28	a 29.76	Aug. 2	28.80	Dec. 1	a 30.93
29	28.69	May 9	30.08	31	28.83	29	a 31.03
Mar. 8	28.87	June 1	28.86				

a Nearby well pumping.

873 (*886, p. 207; 908, p. 81; 938, p. 87; 946, p. 109; *988, p. 97). Owner of well, city of Wichita; owner of property, D. C. Buller. SE. corner sec. 31, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	28.79	Apr. 1	29.34	July 1	28.95	Oct. 29	29.14
Feb. 1	30.73	May 9	30.43	Aug. 3	29.17	Nov. 2	31.12
Mar. 8	29.14	June 1	29.11	31	28.98	Dec. 1	31.13

874 (*886, p. 207; 908, p. 81; 938, p. 88; 946, p. 109; *988, p. 97). Owner of well, city of Wichita; owner of property, D. C. Buller. SE. corner sec. 31, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	a 37.67	Apr. 1	39.96	July 1	37.62	Oct. 29	38.20
Feb. 1	a 40.07	May 9	40.80	Aug. 3	39.56	Nov. 2	37.57
Mar. 8	a 40.47	June 1	a 39.31	31	36.96	Dec. 1	38.82

a Nearby well pumping.

878 (*886, p. 209; 908, p. 83; 938, p. 89; 946, p. 109; *988, p. 97). Owner of well, city of Wichita; owner of property, C. Cadwell. SE. corner sec. 1, T. 24 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	23.51	Feb. 11	23.76	Mar. 17	23.90	Apr. 21	23.99
14	23.57	18	23.77	24	23.92	28	23.85
21	23.62	25	23.81	31	23.96	May 6	23.75
28	23.74	Mar. 3	23.83	Apr. 7	23.97	12	23.72
Feb. 4	23.70	10	23.88	14	23.98	19	23.74

878. Owner of well, city of Wichita--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 26	23.82	Aug. 11	24.17	Sept.29	24.36	Nov. 17	24.49
June 2	23.88	18	24.14	Oct. 6	24.39	24	24.49
July 1	24.06	25	24.20	13	24.37	Dec. 1	24.23
7	24.14	Sept. 1	24.24	20	24.41	8	24.51
14	24.05	8	24.10	27	24.44	15	24.50
21	24.13	15	24.32	Nov. 3	24.39	22	24.45
Aug. 2	24.16	22	24.30	10	24.44	29	24.48
4	24.18						

879 (*886, p. 209; 908, p. 83; 938, p. 89; 946, p. 109; *988, p. 97). Owner of well, city of Wichita; owner of property, C. Cadwell. SE. corner sec. 1, T. 24 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	26.42	Apr. 7	26.90	July 21	26.96	Oct. 13	27.20
14	26.37	14	26.70	Aug. 2	26.97	20	27.24
21	26.44	21	26.61	4	27.00	27	27.11
28	26.46	28	26.60	11	27.07	Nov. 3	27.32
Feb. 4	26.40	May 6	26.32	18	27.16	10	27.44
11	26.51	12	26.44	25	27.08	17	27.52
18	26.33	19	26.70	Sept. 1	27.15	24	27.49
25	26.72	26	26.78	8	27.18	Dec. 1	27.37
Mar. 3	26.70	June 2	26.81	15	27.24	8	27.29
10	26.79	July 1	26.98	22	27.28	15	27.10
17	26.84	7	27.14	29	27.44	22	27.17
24	26.83	14	27.09	Oct. 6	27.24	29	27.16
31	26.87						

Most measurements for wells 883, 884, 885, 886, 887, 894, 895, and 1,112 are affected by pumping of nearby Wichita municipal-supply wells. Because dates of measurement of pumped wells and observation wells do not coincide, footnotes designating pumping effect are omitted from the measurements recorded for the above numbered wells.

883 (*886, p. 210; 908, p. 84; 938, p. 90; 946, p. 110; *988, p. 98). Owner of well, city of Wichita; owner of property, Maggie Holle. NW. corner sec. 26, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	20.57	Mar. 7	22.30	June 1	20.69	Sept.29	20.15
12	20.27	31	20.54	30	19.99	Nov. 2	22.46
28	21.42	Apr. 1	20.50	Aug. 2	21.43	Dec. 1	21.22
Feb. 1	21.67	28	21.25	31	22.33	29	22.06
29	22.12	May 9	20.87				

884 (*886, p. 211; 908, p. 84; 938, p. 90; 946, p. 110; *988, p. 98). Owner of well, city of Wichita; owner of property, Maggie Holle. NW. corner sec. 26, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	20.75	Apr. 1	20.57	June 30	20.31	Sept.29	20.50
11	20.31	May 9	21.00	Aug. 3	20.35	Nov. 2	21.54
Feb. 1	21.55	June 1	20.63	31	21.87	Dec. 1	21.12
Mar. 7	22.20						

885 (*886, p. 211; 908, p. 84; 938, p. 91; 946, p. 110; *988, p. 98). Owner of well, city of Wichita; owner of property, Maggie Holle. NW. corner sec. 26, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	21.45	Apr. 1	20.52	June 30	19.75	Sept.29	20.58
11	20.27	May 9	21.87	Aug. 3	20.46	Nov. 2	21.53
Feb. 1	22.77	June 1	21.90	31	21.47	Dec. 1	22.62
Mar. 7	23.05						

886 (*886, p. 211; 908, p. 84; 938, p. 91; 946, p. 110; *988, p. 98). Owner of well, city of Wichita; owner of property, E. H. Haiber. NE. corner NW¼ sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	12.30	Mar. 8	13.80	June 1	13.92	Sept.29	14.32
28	13.23	31	13.73	30	15.35	Nov. 1	14.94
Feb. 1	13.28	Apr. 28	13.46	Aug. 2	15.20	Dec. 1	14.74
29	13.82	May 9	12.80	Sept. 1	14.78	29	12.75

887 (*886, p. 211; 908, p. 85; 938, p. 91; 946, p. 110; *988, p. 98). Owner of well, city of Wichita; owner of property, F. H. Haiber. NE. corner NW¼ sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	13.42	Mar. 31	14.77	June 30	14.18	Sept.29	15.64
28	13.95	Apr. 28	14.41	July 1	14.28	Nov. 1	16.00
Feb. 1	13.95	May 9	14.02	Aug. 2	14.11	Dec. 1	15.35
Mar. 8	14.75	June 1	15.25	Sept. 1	16.21	29	13.42

894 (*886, p. 213; 908, p. 86; 938, p. 92; 946, p. 110; *988, p. 98). Owner of well, city of Wichita; owner of property, H. A. Lawrence. NE. corner sec. 18, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	19.45	Apr. 1	19.54	July 4	19.77	Oct. 5	20.43
Feb. 1	19.35	May 9	19.52	Aug. 3	19.88	Nov. 2	20.56
Mar. 8	19.44	June 1	19.50	31	20.12	Dec. 6	19.65

895 (*886, p. 213; 908, p. 86; 938, p. 92; 946, p. 111; *988, p. 99). Owner of well, city of Wichita; owner of property, H. A. Lawrence. NE. corner sec. 18, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	21.05	Apr. 1	21.83	July 4	22.07	Oct. 5	23.28
Feb. 1	20.97	May 9	20.71	Aug. 3	22.37	Nov. 2	22.86
Mar. 8	20.96	June 1	22.04	31	22.01	Dec. 6	22.25

1,112 (*886, p. 214; 908, p. 87; 938, p. 93; 946, p. 111; *988, p. 99). Owner, M. H. Miller; tenant, A. C. Unruh. NW. corner NE¼ sec. 31, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	17.81	Apr. 1	17.51	July 1	16.32	Oct. 5	16.89
Feb. 1	17.81	May 9	15.98	Aug. 3	16.40	Nov. 2	16.44
Mar. 8	17.88	June 1	16.03	31	16.48	Dec. 6	16.84

1186 (*946, p. 111; *988, p. 99). City of Wichita. SW. corner sec. 13, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	12.70	Mar. 31	11.92	July 14	9.77	Oct. 13	11.28
14	12.75	Apr. 7	12.15	21	11.22	20	11.60
21	12.54	14	10.34	Aug. 2	11.64	27	11.59
28	12.73	21	11.28	4	11.63	Nov. 3	11.83
Feb. 4	12.76	28	9.15	11	11.81	10	11.72
11	12.79	May 6	9.35	18	11.95	17	11.94
18	12.81	12	10.50	25	11.81	24	11.96
25	12.85	19	10.70	Sept. 8	11.93	Dec. 1	11.93
Mar. 3	12.63	26	11.12	15	12.07	8	9.83
10	12.70	June 2	11.19	22	12.06	15	10.85
17	11.34	July 1	11.65	29	11.83	22	11.20
24	10.97	7	11.89	Oct. 6	10.43	29	11.38

1188 (*946, p. 111; *988, p. 99). City of Wichita. NE. corner sec. 21, T. 24 S., R. 2 W. Water level, in feet below land-surface datum, 1944: Jan. 28, 9.19; measurements discontinued.

1189 (*946, p. 112; *988, p. 99). City of Wichita. SW. corner sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	11.25	Mar. 17	10.65	Apr. 28	8.40	July 7	10.17
Mar. 3	11.66	31	11.02	June 2	9.54	Oct. 5	10.69

1192 (*938, p. 93; 946, p. 112; *988, p. 99). City of Wichita. SW. corner sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	16.37	Apr. 1	16.27	July 1	15.59	Oct. 5	15.70
Feb. 1	16.41	May 9	15.41	Aug. 2	15.59	Nov. 2	15.65
Mar. 8	16.45	June 1	15.20	31	15.74	Dec. 6	15.63

2072 (*988, p. 100). Owner, Peter Hoops and others; tenant, N. T. Unruh. NE¼NW¼ sec. 5, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	34.44	Apr. 14	34.72	Aug. 2	34.85	Oct. 20	34.90
14	34.46	21	34.74	4	34.89	27	34.88
21	34.50	28	34.75	11	34.82	Nov. 3	34.92
28	34.46	May 6	34.72	18	34.80	10	34.92
Feb. 4	34.50	12	34.67	25	34.83	17	34.96
11	34.54	19	34.66	Sept. 1	34.83	24	34.97
25	34.63	26	34.69	8	34.79	Dec. 1	34.94
Mar. 3	34.65	June 2	34.70	15	34.83	8	34.97
10	34.63	30	34.76	22	34.86	15	34.97
17	34.66	July 7	34.78	29	34.86	22	34.96
24	34.67	14	34.81	Oct. 6	34.89	29	34.97
Apr. 7	34.73	21	34.79	13	34.89		

2088. City of Wichita. NW. corner NW¼NW¼ sec. 22, T. 24 S., R. 2 W. Unused driven well, diameter 1¼ inches, depth 17.55 feet below land-surface datum. Measuring point, top of 1¼-inch casing, 0.8 foot above land-surface datum, 1,393.81 feet above sea level and 8.76 feet below bench mark. Bench mark is square cut on east headwall of concrete culvert, 50 feet north of well.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3	8.69	Mar. 31	7.39	June 2	5.83	Oct. 5	5.96
17	7.18	Apr. 28	3.90	July 7	7.29		

M-1 (*908, p. 88; 938, p. 93; 946, p. 112; *988, p. 100). City of Wichita. NW. corner sec. 29, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	a 73.63	Apr. 1	a 71.64	July 4	a 71.98	Oct. 5	a 72.79
Feb. 1	a 73.56	May 9	a 68.71	Aug. 3	a 71.86	Nov. 2	a 71.24
Mar. 8	a 72.15	June 1	a 65.60	31	a 74.18	Dec. 6	24.98

a Well pumping.

M-1a (*908, p. 89; 938, p. 94; 946, p. 112; *988, p. 100). City of Wichita. NW. corner sec. 29, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	a 38.40	Apr. 1	a 37.38	July 4	a 35.79	Oct. 5	a 33.46
Feb. 1	a 38.24	May 9	a 34.66	Aug. 3	a 34.39	Nov. 2	a 34.38
Mar. 8	a 38.00	June 1	a 28.91	31	a 35.27	Dec. 6	22.93

a Well M-1 pumping.

M-1b (*908, p. 89; 938, p. 94; 946, p. 112; *988, p. 100). City of Wichita. NW. corner sec. 29, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	a 35.84	Apr. 1	a 34.79	July 4	a 33.31	Oct. 5	a 33.00
Feb. 1	a 35.58	May 9	a 32.21	Aug. 3	a 32.10	Nov. 2	a 32.13
Mar. 8	a 35.50	June 1	a 26.77	31	a 32.97	Dec. 6	21.80

a Well M-1 pumping.

M-2 (*908, p. 89; 938, p. 94; 946, p. 113; *988, p. 100). City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	44.56	Apr. 1	41.26	July 4	41.10	Oct. 5	40.97
Feb. 1	43.83	May 9	38.91	Aug. 3	43.60	Nov. 2	39.30
Mar. 8	45.00	June 1	36.90	31	41.16	Dec. 6	30.32

M-2a (*908, p. 90; 938, p. 94; 946, p. 113; *988, p. 101). City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	37.30	Apr. 1	36.36	July 4	35.02	Oct. 5	34.25
Feb. 1	36.94	May 9	33.78	Aug. 3	34.54	Nov. 2	34.28
Mar. 8	37.60	June 1	29.55	31	34.13	Dec. 6	25.22

M-2b (*908, p. 90; 938, p. 94; 946, p. 113; *988, p. 101). City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	38.83	Apr. 1	38.27	July 4	34.40	Oct. 5	35.36
Feb. 1	39.45	May 9	35.75	Aug. 3	37.27	Nov. 2	34.68
Mar. 8	40.96	June 1	35.00	31	35.10	Dec. 6	30.83

M-3 (*908, p. 91; 938, p. 94; 946, p. 113; *988, p. 101). City of Wichita. SE¼SE¼SW¼ sec. 29, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 75.35	Apr. 1	a 74.19	July 4	a 72.72	Oct. 5	a 74.67
Feb. 1	a 75.17	May 9	a 68.18	Aug. 3	a 74.11	Nov. 2	a 73.35
Mar. 8	a 74.81	June 1	38.29	31	a 75.66	Dec. 6	37.10

a Well pumping.

M-3a (*908, p. 91; 938, p. 95; 946, p. 113; *988, p. 101). City of Wichita. SE¼SE¼SW¼ sec. 29, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 42.75	Apr. 1	a 42.10	July 4	a 39.53	Oct. 5	a 38.82
Feb. 1	a 42.04	May 9	a 37.68	Aug. 3	a 41.38	Nov. 2	a 37.96
Mar. 8	a 44.02	June 1	36.24	31	a 38.54	Dec. 6	32.82

a Well M-3 pumping.

M-3b (*908, p. 92; 938, p. 95; 946, p. 113; *988, p. 101). City of Wichita. SE¼SE¼SW¼ sec. 29, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 45.78	Apr. 1	a 45.59	July 4	a 42.46	Oct. 5	a 40.01
Feb. 1	a 45.33	May 9	a 45.40	Aug. 3	a 44.93	Nov. 2	a 40.98
Mar. 8	a 47.72	June 1	40.37	31	a 39.68	Dec. 6	37.50

a Well M-3 pumping.

M-4 (*908, p. 92; 938, p. 95; 946, p. 113; *988, p. 101). City of Wichita. SE. corner sec. 30, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 79.23	Apr. 1	43.66	July 4	a 79.03	Oct. 5	40.15
Feb. 1	a 79.13	May 9	40.88	Aug. 3	a 79.48	Nov. 2	39.11
Mar. 8	a 79.13	June 1	a 75.55	31	39.34	Dec. 6	39.29

a Well pumping.

M-4a (*908, p. 93; 938, p. 95; 946, p. 114; *988, p. 101). City of Wichita. SE. corner sec. 30, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 43.90	Apr. 1	41.62	July 4	a 41.90	Oct. 5	37.96
Feb. 1	a 43.42	May 9	39.01	Aug. 3	a 43.07	Nov. 2	37.56
Mar. 8	a 45.70	June 1	a 40.87	31	38.63	Dec. 6	36.33

a Well M-4 pumping.

M-4b (*908, p. 93; 938, p. 95; 946, p. 114; *988, p. 102). City of Wichita. SE. corner sec. 30, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	a 43.68	Apr. 1	41.67	July 4	a 41.93	Oct. 5	38.81
Feb. 1	a 43.26	May 9	39.33	Aug. 3	a 42.96	Nov. 2	37.69
Mar. 8	a 45.36	June 1	a 40.84	31	38.08	Dec. 6	36.83

a Well M-4 pumping.

M-5 (*908, p. 94; 938, p. 96; 946, p. 114; *988, p. 102). City of Wichita. NW¼SW¼ sec. 32, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	37.47	Apr. 1	a 90.31	July 4	33.48	Oct. 5	32.89
Feb. 1	33.73	May 9	a 92.31	Aug. 31	32.50	Nov. 2	31.86
Mar. 8	a 91.31	June 1	a 88.01				

a Well pumping.

M-5a (*908, p. 94; 938, p. 96; 946, p. 114; *988, p. 102). City of Wichita. NW¼SW¼ sec. 32, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	28.56	Apr. 1	a 29.41	July 4	28.60	Oct. 5	28.49
Feb. 1	30.17	May 9	a 29.96	Aug. 3	a 28.99	Nov. 2	29.96
Mar. 8	a 29.44	June 1	a 28.83	31	28.39	Dec. 6	a 29.87

a Well M-5 pumping.

M-5b (*908, p. 95; 938, p. 96; 946, p. 114; *988, p. 102). City of Wichita. NW¼SW¼ sec. 32, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	28.26	Apr. 1	a 28.97	July 4	28.45	Oct. 5	28.34
Feb. 1	29.76	May 9	a 29.53	Aug. 3	28.62	Nov. 2	29.54
Mar. 8	a 28.89	June 1	a 28.50	31	28.04	Dec. 6	a 30.05

a Well M-5 pumping.

M-6 (*908, p. 95; 938, p. 96; 946, p. 114; *988, p. 102). City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	29.74	Apr. 1	30.52	July 4	30.70	Oct. 5	31.05
Feb. 1	a 78.48	May 9	a 75.24	Aug. 3	31.18	Nov. 2	a 86.65
Mar. 8	30.43	June 1	30.59	31	30.95	Dec. 6	a 89.90

a Well pumping.

M-6a (*908, p. 96; 938, p. 96; 946, p. 114; *988, p. 102). City of Wichita. SW¼SW¼sec. 32, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	29.58	Apr. 1	30.21	July 4	28.85	Oct. 5	29.71
Feb. 1	a 31.76	May 9	a 31.43	Aug. 3	29.26	Nov. 2	a 29.74
Mar. 8	30.10	June 1	30.04	31	29.77	Dec. 6	a 32.12

a Well M-6 pumping.

M-6b (*908, p. 96; 938, p. 97; 946, p. 115; *988, p. 103). City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	29.29	Apr. 1	29.90	July 4	29.50	Oct. 5	27.86
Feb. 1	a 31.30	May 9	a 30.99	Aug. 3	29.70	Nov. 2	a 31.10
Mar. 8	29.89	June 1	29.66	31	30.29	Dec. 6	a 31.66

a Well M-6 pumping.

M-7 (*908, p. 97; 938, p. 97; 946, p. 115; *988, p. 103). City of Wichita. NW. corner SW¼ sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	a 28.08	Apr. 1	a 29.05	July 4	20.23	Oct. 5	a 30.07
Feb. 1	a 28.92	May 9	a 27.49	Aug. 3	a 29.03	Nov. 2	21.61
Mar. 8	a 29.11	June 1	a 26.11	31	a 29.98	Dec. 6	21.37

a Well pumping.

M-7a (*908, p. 97; 938, p. 97; 946, p. 115; *988, p. 103). City of Wichita. NW. corner SW¼ sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	a 22.57	Apr. 1	a 23.38	July 4	19.54	Oct. 5	a 23.61
Feb. 1	a 23.23	May 9	a 21.94	Aug. 3	a 22.61	Nov. 2	20.98
Mar. 8	a 23.45	June 1	a 20.47	31	a 23.25	Dec. 6	20.97

a Well M-7 pumping.

M-7b (*908, p. 98; 938, p. 97; 946, p. 115; *988, p. 103). City of Wichita. NW. corner SW¼ sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	a 21.40	Apr. 1	a 22.30	July 4	20.16	Oct. 5	a 24.35
Feb. 1	a 22.13	May 9	a 20.97	Aug. 3	a 21.50	Nov. 2	21.33
Mar. 8	a 22.27	June 1	a 19.90	31	a 22.29	Dec. 6	21.39

a Well M-7 pumping.

M-8 (*908, p. 98; 938, p. 97; 946, p. 115; *988, p. 103). City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 82.57	Apr. 1	a 82.58	July 4	a 81.31	Oct. 5	a 77.90
Feb. 1	a 84.28	May 9	a 81.69	Aug. 3	a 83.95	Nov. 2	30.23
Mar. 8	a 82.53	June 1	a 80.29	31	a 77.52	Dec. 6	30.67

a Well pumping.

M-8a (*908, p. 99; 938, p. 98; 946, p. 115; *988, p. 103). City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 26.70	Apr. 1	a 27.01	July 4	a 27.29	Oct. 5	a 27.60
Feb. 1	a 26.97	May 9	a 26.77	Aug. 3	a 27.36	Nov. 2	26.96
Mar. 8	a 26.85	June 1	a 27.25	31	a 26.42	Dec. 6	27.46

a Well M-8 pumping.

M-8b (*908, p. 99; 938, p. 98; 946, p. 116; *988, p. 103). City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 25.30	Apr. 1	a 25.74	July 4	a 25.78	Oct. 5	a 25.88
Feb. 1	a 25.73	May 9	a 25.49	Aug. 3	a 25.87	Nov. 2	24.91
Mar. 8	a 25.46	June 1	a 26.20	31	a 25.92	Dec. 6	26.06

a Well M-8 pumping.

M-9 (*908, p. 99; 938, p. 98; 946, p. 116; *988, p. 104). City of Wichita. SE¼NE¼ sec. 6, T 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	23.66	Apr. 1	a 49.56	July 4	a 55.29	Oct. 5	a 51.80
Feb. 1	22.63	May 9	25.04	Aug. 3	a 31.40	Mar. 2	a 51.84
Mar. 8	a 48.87	June 1	a 47.46	31	26.47	Dec. 6	a 55.12

a Well pumping.

M-9a (*908, p. 100; 938, p. 98; 946, p. 116; *988, p. 104). City of Wichita. NW¼NW¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	23.05	Apr. 1	a 23.75	July 4	a 24.54	Oct. 5	a 26.86
Feb. 1	22.31	May 9	23.25	Aug. 3	a 24.67	Nov. 2	a 25.80
Mar. 8	a 23.45	June 1	a 24.40	31	24.65	Dec. 6	a 24.73

a Well M-9 pumping.

M-9b (*908, p. 100; 938, p. 98; 946, p. 116; *988, p. 104). City of Wichita. NW¼NW¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	21.75	Apr. 1	a 22.05	July 4	a 23.29	Oct. 5	a 24.04
Feb. 1	20.94	May 9	22.00	Aug. 3	a 23.38	Nov. 2	a 24.40
Mar. 8	a 21.80	June 1	a 22.85	31	23.41	Dec. 6	a 23.33

a Well M-9 pumping.

M-10 (*908, p. 101; 938, p. 98; 946, p. 116; *998, p. 104). City of Wichita. NE¼NW¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	26.03	Apr. 1	27.13	July 7	28.67	Oct. 5	29.59
Feb. 1	25.00	May 9	a 62.97	Aug. 3	a 65.18	Nov. 2	a 65.61
Mar. 8	26.66	June 1	a 61.86	31	a 67.09	Dec. 6	a 68.21

a Well pumping.

M-10a (*908, p. 101; 938, p. 99; 946, p. 116; *988, p. 104). City of Wichita. NE¼NW¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	24.85	Apr. 1	25.15	July 7	26.19	Oct. 5	27.00
Feb. 1	23.75	May 9	a 27.23	Aug. 3	a 28.84	Nov. 2	a 29.64
Mar. 8	24.73	June 1	a 27.80	31	a 27.38	Dec. 6	a 29.53

a Well M-10 pumping.

M-10b (*908, p. 102; 938, p. 99; 946, p. 117; *988, p. 104). City of Wichita. NE¼NW¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	23.82	Apr. 1	23.96	July 4	25.00	Oct. 5	25.70
Feb. 1	22.87	May 9	a 24.61	Aug. 3	a 28.96	Nov. 2	a 26.71
Mar. 8	23.66	June 1	a 25.26	31	a 26.26	Dec. 6	a 26.74

a Well M-10 pumping.

M-11 (*908, p. 102; 938, p. 99; 946, p. 117; *988, p. 104). City of Wichita. SW¼NW¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	20.05	Apr. 1	19.98	July 4	a 40.08	Oct. 5	a 43.12
Feb. 1	16.42	May 9	a 37.07	Aug. 3	a 39.91	Nov. 2	a 41.38
Mar. 8	19.54	June 1	a 37.91	31	a 41.72	Dec. 6	22.24

a Well pumping.

M-11a (*908, p. 103; 938, p. 99; 946, p. 117; *988, p. 105). City of Wichita. SW¼NW¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	19.53	Apr. 1	18.93	July 4	a 21.58	Oct. 5	a 22.68
Feb. 1	18.00	May 9	a 20.77	Aug. 3	a 22.00	Nov. 2	a 23.06
Mar. 8	18.61	June 1	a 21.12	31	a 22.31	Dec. 6	20.86

a Well M-11 pumping.

M-11b (*908, p. 103; 938, p. 99; 946, p. 117; *988, p. 105). City of Wichita. SW¼NW¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	20.71	Apr. 1	20.29	July 4	a 22.04	Oct. 5	a 22.98
Feb. 1	19.36	May 9	a 21.25	Aug. 3	a 22.48	Nov. 2	a 23.46
Mar. 8	19.99	June 1	a 21.67	31	a 22.17	Dec. 6	22.20

a Well M-11 pumping.

M-12 (*908, p. 104; 938, p. 99; 946, p. 117; *988, p. 105). City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	23.68	Apr. 1	a 51.93	July 4	a 55.46	Oct. 5	a 56.53
Feb. 1	23.28	May 9	a 51.13	Aug. 3	a 54.03	Nov. 2	a 56.31
Mar. 8	52.08	June 1	a 51.20	31	a 56.82	Dec. 6	a 57.95

a Well pumping.

M-12a (*908, p. 104; 938, p. 100; 946, p. 117; *988, p. 105). City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 12	23.26	Apr. 1	a 29.35	July 4	a 30.42	Oct. 5	a 29.92
Feb. 1	22.74	May 9	a 27.82	Aug. 3	a 30.33	Nov. 2	a 30.54
Mar. 8	a 28.68	June 1	a 29.93	31	a 30.46	Dec. 6	a 30.72

a Well M-12 pumping.

M-12b (*908, p. 104; 938, p. 100; 946, p. 117; *988, p. 105). City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	24.31	Apr. 1	a 30.04	July 4	a 30.22	Oct. 5	a 30.92
Feb. 1	23.88	May 9	a 28.54	Aug. 3	a 31.02	Nov. 2	a 31.38
Mar. 8	a 29.34	June 1	a 30.71	31	a 31.29	Dec. 6	a 30.96

a Well M-12 pumping.

M-13 (*908, p. 105; 938, p. 100; 946, p. 118; *988, p. 105). City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	19.75	Apr. 1	a 42.78	July 4	21.37	Oct. 5	a 44.83
Feb. 1	19.35	May 9	19.83	Aug. 3	a 40.65	Nov. 2	22.83
Mar. 8	20.37	June 1	a 41.25	31	22.51	Dec. 6	22.76

a Well pumping.

M-13a (*908, p. 105; 938, p. 100; 946, p. 118; *988, p. 105). City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	19.42	Apr. 1	a 20.94	July 4	20.36	Oct. 5	a 21.81
Feb. 1	19.42	May 9	19.64	Aug. 3	a 20.71	Nov. 2	20.85
Mar. 8	19.45	June 1	a 20.87	31	20.72	Dec. 6	21.26

a Well M-13 pumping.

M-13b (*908, p. 106; 938, p. 100; 946, p. 118; *988, p. 106). City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	20.00	Apr. 1	a 20.67	July 4	21.29	Oct. 5	a 21.78
Feb. 1	20.23	May 9	20.39	Aug. 3	a 21.46	Nov. 2	21.53
Mar. 8	19.85	June 1	a 21.08	31	21.53	Dec. 6	22.20

a Well M-13 pumping.

M-14 (*908, p. 106; 938, p. 101; 946, p. 118; *988, p. 106). City of Wichita. NW. corner NW¼ sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	a 37.59	Apr. 1	22.39	July 4	a 45.73	Oct. 5	24.20
Feb. 1	a 40.31	May 9	21.93	Aug. 3	a 42.47	Nov. 2	a 45.46
Mar. 8	21.91	June 1	a 38.29	31	24.25	Dec. 6	a 43.85

a Well pumping.

M-14a (*908, p. 107; 938, p. 101; 946, p. 118; *988, p. 106). City of Wichita. NW¼NW¼ sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	a 24.75	Apr. 1	21.47	July 4	a 30.54	Oct. 5	22.30
Feb. 1	a 29.60	May 9	21.47	Aug. 3	a 29.68	Nov. 2	a 30.54
Mar. 8	21.03	June 1	a 29.27	31	22.96	Dec. 6	a 33.21

a Well M-14 pumping.

M-14b (*908, p. 107; 938, p. 101; 946, p. 118; *988, p. 106). City of Wichita. SW¼SW¼ sec. 9, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	a 21.87	Apr. 1	21.29	July 4	a 27.27	Oct. 5	22.40
Feb. 1	a 26.25	May 9	21.56	Aug. 3	a 26.90	Nov. 2	a 26.62
Mar. 8	20.89	June 1	a 26.42	31	22.97	Dec. 6	a 29.27

a Well M-14 pumping.

M-15 (*908, p. 108; 938, p. 101; 946, p. 118; *988, p. 106). City of Wichita. SE.corner NE¼ sec. 9, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	a 45.55	Apr. 1	22.02	July 4	a 48.28	Oct. 5	a 46.70
Feb. 1	a 46.30	May 9	a 44.29	Aug. 3	25.30	Nov. 2	25.61
Mar. 8	22.35	June 1	23.63	31	a 49.07	Dec. 6	a 46.21

a Well pumping.

M-15a (*908, p. 108; 938, p. 101; 946, p. 119; *988, p. 106). City of Wichita. SE¼NE¼ sec. 9, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	a 26.70	Apr. 1	21.79	July 4	a 28.78	Oct. 5	a 27.05
Feb. 1	a 26.91	May 9	a 26.79	Aug. 3	24.19	Nov. 2	24.54
Mar. 8	22.15	June 1	23.32	31	a 29.62	Dec. 6	a 23.92

a Well M-15 pumping.

M-15b (*908, p. 109; 938, p. 101; 946, p. 119; *988, p. 107). City of Wichita. SE¼NE¼ sec. 9, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 26.53	Apr. 1	22.82	July 4	a 28.56	Oct. 5	a 26.81
Feb. 1	a 26.72	May 9	a 26.56	Aug. 3	25.16	Nov. 2	25.53
Mar. 8	23.20	June 1	24.30	31	a 28.86	Dec. 6	a 26.35

a Well M-15 pumping.

M-16 (*908, p. 109; 938, p. 102; 946, p. 119; *988, p. 107). City of Wichita. SE. corner SE¼ sec. 9, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	20.84	Apr. 1	19.96	July 4	a 52.72	Oct. 5	22.56
Feb. 1	21.13	May 9	a 49.25	Aug. 3	a 52.81	Nov. 2	a 52.14
Mar. 8	20.32	June 1	a 49.68	31	a 53.83	Dec. 6	a 52.09

a Well pumping.

M-16a (*908, p. 110; 938, p. 102; 946, p. 119; *988, p. 107). City of Wichita. SE¼SE¼ sec. 9, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	21.24	Apr. 1	20.40	July 4	a 27.89	Oct. 5	21.85
Feb. 1	21.55	May 9	a 26.19	Aug. 3	a 26.72	Nov. 2	a 26.58
Mar. 8	20.80	June 1	a 26.41	31	a 27.86	Dec. 6	a 23.21

a Well M-16 pumping.

M-16b (*908, p. 110; 938, p. 102; 946, p. 119; *988, p. 107). City of Wichita. SE¼SE¼ sec. 9, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	19.60	Apr. 1	19.31	July 4	a 20.65	Oct. 5	20.34
Feb. 1	19.73	May 9	a 19.78	Aug. 3	a 20.35	Nov. 2	a 20.88
Mar. 8	19.53	June 1	a 19.85	31	a 21.10	Dec. 6	a 20.51

a Well M-16 pumping.

M-17 (*908, p. 111; 938, p. 102; 946, p. 119; *988, p. 107). City of Wichita. NE¼SE¼ sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 39.17	Apr. 1	15.80	July 4	a 41.70	Oct. 5	a 40.88
Feb. 1	a 40.22	May 9	a 37.14	Aug. 3	14.92	Nov. 2	15.88
Mar. 7	a 40.32	June 1	a 38.88	31	a 41.10	Dec. 6	15.40

a Well pumping.

M-17a (*908, p. 111; 938, p. 102; 946, p. 119; *988, p. 107). City of Wichita. NE¼SE¼ sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 15.14	Apr. 1	14.14	July 4	a 14.39	Oct. 5	a 14.35
Feb. 1	a 15.43	May 9	a 11.69	Aug. 3	12.53	Nov. 2	13.90
Mar. 7	a 15.45	June 1	a 13.19	31	a 12.99	Dec. 6	13.54

a Well M-17 pumping.

M-17b (*908, p. 112; 938, p. 103; 946, p. 120; *988, p. 107). City of Wichita. NE¼SE¼ sec. 16, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 11	a 13.19	Apr. 1	12.61	July 4	a 12.77	Oct. 5	a 12.77
Feb. 1	a 13.55	May 9	a 10.41	Aug. 3	11.44	Nov. 2	12.61
Mar. 7	a 13.53	June 1	a 11.57	31	a 12.46	Dec. 6	12.29

a Well M-17 pumping.

M-18 (*908, p. 112; 938, p. 103; 946, p. 120; *988, p. 108). City of Wichita. SE¼SW¼ sec. 22, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 42.07	Apr. 1	a 42.44	July 4	17.67	Oct. 5	17.68
11	a 41.74	May 9	a 38.91	Aug. 3	a 41.32	Nov. 2	16.92
Feb. 1	a 41.36	June 1	a 41.70	31	20.76	Dec. 6	a 43.61
Mar. 7	18.04						

a Well pumping.

M-18a (*908, p. 113; 938, p. 103; 946, p. 120; *988, p. 108). City of Wichita. SE¼SW¼ sec. 22, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 28.41	Apr. 1	a 30.23	July 4	16.54	Oct. 5	16.46
11	a 28.68	May 9	a 27.05	Aug. 3	a 28.47	Nov. 2	16.66
Feb. 1	a 29.40	June 1	a 28.79	31	16.59	Dec. 6	a 29.66
Mar. 7	17.56						

a Well M-18 pumping.

M-18b (*908, p. 113; 938, p. 103; 946, p. 120; *988, p. 108). City of Wichita. SE¼SW¼ sec. 22, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 22.15	Apr. 1	a 23.62	July 4	15.97	Oct. 5	15.59
11	a 22.59	May 9	a 20.30	Aug. 3	a 21.96	Nov. 2	15.30
Feb. 1	a 23.39	June 1	a 21.74	31	16.03	Dec. 6	a 22.57
Mar. 7	17.17						

a Well M-18 pumping.

M-19 (*908, p. 113; 938, p. 103; 946, p. 120; *988, p. 108). City of Wichita. NE¼NE¼ sec. 27, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	17.92	Apr. 1	18.06	July 4	a 33.59	Oct. 5	a 36.65
11	17.86	May 9	a 33.27	Aug. 3	a 34.30	Nov. 2	a 37.02
Feb. 1	a 34.65	June 1	a 35.16	31	a 36.04	Dec. 6	a 36.38
Mar. 7	a 35.23						

a Well pumping.

M-19a (*908, p. 114; 938, p. 104; 946, p. 120; *988, p. 108). City of Wichita. NE¼NE¼ sec. 27, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	20.28	Apr. 1	20.33	July 4	a 22.27	Oct. 5	a 22.49
11	20.08	May 9	a 22.25	Aug. 3	a 22.09	Nov. 2	a 22.82
Feb. 1	a 22.94	June 1	a 22.26	31	a 23.05	Dec. 6	a 22.64
Mar. 7	a 23.17						

a Well M-19 pumping.

M-19b (*908, p. 114; 938, p. 104; 946, p. 121; *988, p. 108). City of Wichita. NE¼NE¼ sec. 27, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	18.84	Apr. 1	19.45	July 4	a 17.98	Oct. 5	a 18.83
11	18.91	May 9	a 18.90	Aug. 3	a 18.91	Nov. 2	a 18.94
Feb. 1	a 19.73	June 1	a 18.78	31	a 19.10	Dec. 6	a 19.19
Mar. 7	a 20.18						

a Well M-19 pumping.

M-20 (*908, p. 115; 938, p. 104; 946, p. 121; *988, p. 109). City of Wichita. NW¼SE¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	23.67	Apr. 1	a 55.43	July 4	a 57.81	Oct. 5	a 57.92
Feb. 1	22.02	May 9	23.85	Aug. 3	a 55.05	Nov. 2	a 56.42
Mar. 8	a 55.69	June 1	a 52.71	31	a 57.28	Dec. 6	a 58.41

a Well pumping.

M-20a (*908, p. 115; 938, p. 104; 946, p. 121; *988, p. 109). City of Wichita. NW¼SE¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	23.36	Apr. 1	a 23.78	July 4	a 24.82	Oct. 5	a 25.78
Feb. 1	22.16	May 9	23.18	Aug. 3	a 25.78	Nov. 2	a 26.11
Mar. 8	a 23.25	June 1	a 23.89	31	a 25.52	Dec. 6	a 27.78

a Well M-20 pumping.

M-20b (*908, p. 116; 938, p. 104; 946, p. 121; *988, p. 109). City of Wichita. NW¼SE¼ sec. 8, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	23.94	Apr. 1	a 24.15	July 4	a 25.14	Oct. 5	a 26.13
Feb. 1	22.89	May 9	23.79	Aug. 3	a 25.55	Nov. 2	a 26.34
Mar. 8	a 23.64	June 1	a 24.24	31	a 25.83	Dec. 6	a 25.94

a Well M-20 pumping.

M-21 (*908, p. 116; 938, p. 104; 946, p. 121; *988, p. 109). City of Wichita. SW¼SW¼ sec. 26, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 31.78	Apr. 1	15.41	July 4	a 30.07	Oct. 5	16.34
11	a 31.74	May 9	14.08	Aug. 3	a 35.66	Nov. 2	16.00
Feb. 1	a 31.64	June 1	13.83	31	16.48	Dec. 6	15.05
Mar. 7	16.71						

a Well pumping.

M-21a (*908, p. 117; 938, p. 105; 946, p. 121; *988, p. 109). City of Wichita. SW¼SW¼ sec. 26, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 22.54	Apr. 1	15.82	July 4	a 20.90	Oct. 5	15.52
11	a 22.74	May 9	14.52	Aug. 3	a 21.29	Nov. 2	16.17
Feb. 1	a 22.73	June 1	14.30	31	15.71	Dec. 6	14.45
Mar. 7	17.09						

a Well M-21 pumping.

M-21b (*908, p. 117; 938, p. 105; 946, p. 122; *988, p. 109). City of Wichita. SW¼SW¼ sec. 26, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 20.05	Apr. 1	15.55	July 4	a 18.42	Oct. 5	15.16
11	a 20.26	May 9	14.24	Aug. 3	a 18.07	Nov. 2	14.76
Feb. 1	a 20.30	June 1	14.02	31	15.44	Dec. 6	14.13
Mar. 7	16.71						

a Well M-21 pumping.

M-22 (*908, p. 118, 938, p. 105; 946, p. 122; *988, p. 109). City of Wichita. SW¼SE¼ sec. 26, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 19.00	Apr. 1	16.98	July 4	17.55	Oct. 5	17.59
11	a 37.75	May 9	a 34.84	Aug. 3	a 37.06	Nov. 2	a 39.81
Feb. 1	19.03	June 1	a 36.39	31	17.50	Dec. 6	16.57
Mar. 7	a 37.12						

a Well pumping.

M-22a (*908, p. 118; 938, p. 105; 946, p. 122; *988, p. 110). City of Wichita. SW¼SE¼ sec. 26, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 18.50	Apr. 1	16.43	July 4	16.51	Oct. 5	16.14
11	a 24.55	May 9	a 21.39	Aug. 3	a 22.38	Nov. 2	a 23.17
Feb. 1	18.53	June 1	a 21.23	31	16.39	Dec. 6	15.49
Mar. 7	23.93						

a Well M-22 pumping.

M-22b (*908, p. 119; 938, p. 105; 946, p. 122; *988, p. 110). City of Wichita. SE¼SW¼ sec. 26, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 19.45	Apr. 1	17.16	July 4	17.45	Oct. 5	16.88
11	a 20.97	May 9	a 17.61	Aug. 3	a 19.04	Nov. 2	a 18.78
Feb. 1	19.47	June 1	a 16.88	31	a 17.05	Dec. 6	16.07
Mar. 7	20.21						

a Well M-22 pumping.

M-23 (*908, p. 119; 938, p. 106; 946, p. 122; *988, p. 110). City of Wichita. SE¼NE¼ sec. 35, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 44.00	Apr. 1	14.87	July 4	a 45.07	Oct. 5	a 47.40
11	15.93	May 9	13.17	Aug. 3	a 45.77	Nov. 2	a 48.31
Feb. 1	15.71	June 1	11.57	31	a 45.15	Dec. 6	a 47.54
Mar. 7	a 45.23						

a Well pumping.

M-23a (*908, p. 120; 938, p. 106; 946, p. 122; *988, p. 110). City of Wichita. SE¼NE¼ sec. 35, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 18.32	Apr. 1	15.32	July 4	a 14.58	Oct. 5	a 17.38
11	16.31	May 9	12.80	Aug. 3	a 16.84	Nov. 2	a 17.62
Feb. 1	16.08	June 1	12.38	31	a 17.50	Dec. 6	a 16.64
Mar. 7	a 18.74						

a Well M-23 pumping.

M-23b (*908, p. 120; 938, p. 106; 946, p. 123; *988, p. 110). City of Wichita. SE¼NE¼ sec. 35, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 16.70	Apr. 1	14.66	July 4	a 14.66	Oct. 5	a 15.64
11	15.30	May 9	12.10	Aug. 3	a 15.08	Nov. 2	a 16.17
Feb. 1	15.44	June 1	11.74	31	a 15.90	Dec. 6	a 15.89
Mar. 7	a 17.18						

a Well M-23 pumping.

M-24 (*908, p. 121; 938, p. 106; 946, p. 123; *988, p. 110). City of Wichita. SE¼SE¼ sec. 35, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	15.00	Apr. 1	14.53	July 4	a 25.79	Oct. 5	a 42.93
11	14.97	May 9	a 25.93	Aug. 3	a 26.14	Nov. 2	14.80
Feb. 1	14.87	June 1	a 26.47	31	a 25.81	Dec. 6	14.26
Mar. 7	a 29.24						

a Well pumping.

M-24a (*908, p. 121; 938, p. 106; 946, p. 123; *988, p. 111). City of Wichita. SE¼SE¼ sec. 35, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	15.35	Apr. 1	14.86	July 4	a 15.67	Oct. 5	a 20.29
11	15.30	May 9	a 14.75	Aug. 3	a 16.20	Nov. 2	14.23
Feb. 1	15.23	June 1	a 14.89	31	a 16.35	Dec. 6	13.94
Mar. 7	a 18.98						

a Well M-24 pumping.

M-24b (*908, p. 122; 938, p. 107; 946, p. 123; *988, p. 111). City of Wichita. SE¼SE¼ sec. 35, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	17.28	Apr. 1	17.00	July 4	a 15.87	Oct. 5	a 18.56
11	17.30	May 9	a 15.40	Aug. 3	a 16.19	Nov. 2	15.95
Feb. 1	17.23	June 1	a 14.91	31	a 16.52	Dec. 6	15.84
Mar. 7	a 18.92						

a Well M-24 pumping.

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M-25 (*908, p. 122; 938, p. 107; 946, p. 123; *988, p. 111). City of Wichita. SW¼SE¼ sec. 36, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	a 38.09	Apr. 1	a 37.64	July 4	a 36.59	Oct. 5	10.73
11	a 38.88	May 9	a 36.61	Aug. 3	a 39.27	Nov. 2	a 40.80
Feb. 1	a 38.40	June 1	7.20	31	a 37.19	Dec. 6	a 38.69
Mar. 7	11.97						

a Well pumping.

M-25a (*908, p. 123; 938, p. 107; 946, p. 123; *988, p. 111). City of Wichita. SW¼SE¼ sec. 36, T. 24 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 4	a 13.58	Apr. 1	a 12.38	July 4	a 10.92	Oct. 5	10.20
11	a 13.81	May 9	a 9.50	Aug. 3	a 18.30	Nov. 2	a 12.73
Feb. 1	a 13.84	June 1	7.75	31	a 12.37	Dec. 6	a 12.16
Mar. 7	12.37						

a Well M-25 pumping.

M-25b (*908, p. 123; 938, p. 107; 946, p. 124; *988, p. 111). City of Wichita. NE¼NW¼ sec. 1, T. 25 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 4	a 14.63	Apr. 1	a 13.57	July 4	a 12.09	Oct. 5	11.91
11	a 14.87	May 9	a 10.63	Aug. 3	a 13.41	Nov. 2	a 14.09
Feb. 1	a 14.89	June 1	9.17	31	a 13.88	Dec. 6	a 13.35
Mar. 7	13.84						

a Well M-25 pumping.

Haskell County

By T. G. McLaughlin

Highest and lowest recorded water levels in 9 wells in Haskell County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	3.5	108.85	Nov. 17, 1943	109.38	Nov. 1, 1941
4	3.5	197.00	Aug. 2, Sept.13, 1944	197.78	Sept.17, 1941
6	3.5	155.96	July 29, 1941	158.06	Aug. 27, 1943
7	3.5	187.14	Jan. 25, 1944	188.20	Sept.23, 1943
9	3.5	207.38	Nov. 21, 1944	208.78	Aug. 9, 1943
10	3.5	47.96	Aug. 9, 1943	50.73	Sept.17, 1941
11	3.5	183.84	Dec. 28, 1943	184.77	Apr. 19, 1944
12	3.5	179.40	Nov. 3, 1941	182.05	Nov. 13, 1942
14	3.5	151.72	July 15, Aug. 5, 1942	153.10	Aug. 29, 1943

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 9 wells in Haskell County

Well	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944 a/	Net rise (+) or net decline (-) for period of record
1	0.53	+0.08	+0.15
4	.78	+.03	+.64
6	2.10	+.31	+.01
7	1.06	-.23	-.11
9	1.40	+.15	+.29
10	2.77	+.53	+.31
11	.93	-.57	+.23
12	2.65	-.16	-.59
14	1.38	+.13	+.15

a Between last measurement in 1943 and last measurement in 1944

1 (*938, p. 108; 946, p. 125; *988, p. 112). E. A. Davis. NE¼NW¼ sec. 13, T. 27 S., R. 33 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	108.94	Apr. 19	108.97	July 13	108.99	Oct. 5	109.08
Feb. 17	108.99	May 5	108.93	Aug. 2	108.88	Nov. 21	108.89
Mar. 6	108.96	June 27	108.94	Sept.13	109.03	Dec. 5	108.89

4 (*938, p. 108; 946, p. 125; *988, p. 112). Dean Nelson. SE¼NE¼ sec. 29, T. 28 S., R. 32 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	197.09	Apr. 19	197.10	July 13	197.06	Oct. 5	197.05
Feb. 17	197.19	May 5	197.01	Aug. 2	197.00	Nov. 21	197.03
Mar. 6	197.11	June 27	197.08	Sept.13	197.00	Dec. 5	197.01

6 (*938, p. 108; 946, p. 125; *988, p. 113). Copeland State Bank. NE¼NE¼ sec. 11, T. 29 S., R. 31 W.

Water level, in feet below land-surface datum, 1944

Feb. 17	156.65	June 27	156.74	Sept.13	156.63	Nov. 21	156.66
Mar. 6	156.57	July 13	156.69	Oct. 5	156.68	Dec. 5	156.14
Apr. 19	156.52	Aug. 2	156.66				

7 (*938, p. 109; 946, p. 125; *988, p. 113). Etta McCoy. NW¼NW¼ sec. 2, T. 30 S., R. 32 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	187.14	Apr. 19	187.77	July 13	187.48	Oct. 16	187.59
Feb. 17	187.19	May 3	187.48	Aug. 2	187.48	Nov. 21	187.58
Mar. 6	187.76	June 27	187.86	Sept.13	187.43	Dec. 5	187.61

9 (*938, p. 109; 946, p. 125; *988, p. 113). Bessie Custer. NW¼SE¼ sec. 13, T. 30 S., R. 34 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	207.58	Apr. 20	207.58	July 13	207.42	Oct. 16	207.47
Feb. 17	207.66	May 3	207.49	Aug. 2	207.45	Nov. 21	207.38
Mar. 6	207.56	June 27	207.46	Sept.13	207.42	Dec. 5	207.39

10 (*908, p. 109; 946, p. 125; *988, p. 113). Eli Stoops. SE¼NW¼ sec. 33, T. 30 S., R. 34 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	50.19	Apr. 20	49.60	July 13	48.96	Oct. 5	49.49
Feb. 17	49.73	May 3	49.09	Aug. 2	49.09	Nov. 21	49.73
Mar. 6	49.90	June 27	48.84	Sept.13	49.38	Dec. 5	49.56

11 (*938, p. 109; 946, p. 126; *988, p. 113). L. C. Leonard. SE¼SW¼ sec. 20, T. 30 S., R. 32 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	184.52	Apr. 19	184.77	July 13	184.41	Sept.13	184.36
Feb. 17	184.66	May 3	184.55	Aug. 2	184.38	Oct. 16	184.41
Mar. 6	184.57	June 27	184.59				

12 (*938, p. 109; 946, p. 126; *988, p. 113). Sybol Smith. SW¼SW¼ sec. 11, T. 30 S., R. 32 W.

Water level, in feet below land-surface datum, 1944

Feb. 17	181.19	May 3	181.03	Aug. 2	181.01	Oct. 16	180.99
Mar. 6	181.08	June 27	181.10	Sept.13	180.96	Nov. 21	181.05
Apr. 19	181.14	July 13	181.07				

14 (*938, p. 110; 946, p. 126; *988, p. 113). William Dreyer. NW¼NW¼ sec. 21, T. 27 S., R. 34 W.

Water level, in feet below land-surface datum, 1944

Feb. 18	151.97	May 5	151.93	Aug. 2	151.86	Oct. 6	151.76
Mar. 7	151.92	June 27	151.85	Sept.13	151.73	Nov. 21	151.77
Apr. 19	151.95						

Hodgeman County

By Betty Ball

Highest and lowest recorded water levels in 3 wells in Hodgeman County in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
3	4	31.19	Sept. 8, 1944	34.77	Sept.20, 1940
4	4	22.74	June 3, 1944	27.52	Oct. 2, 1941
5	4	27.86	June 3, 1944	33.08	Oct. 29, 1940

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 3 wells in Hodgeman County

Well	Difference between highest and lowest levels	Net rise in 1944[a]	Net rise for period of record
3	3.58	2.36	3.37
4	4.78	.49	2.23
5	5.22	.53	1.92

a Between last measurement in 1943 and last measurement in 1944.

3 (*908, p. 125; 938, p. 110; 946, p. 126, *988, p. 114). W. J. Fox. SW¼NW¼ sec. 12, T. 21 S., R. 22 W. Water levels, in feet below land-surface datum, 1944: June 3, 32.15; Sept. 8, 31.19; Dec. 26, 31.32.

4 (*908, p. 125; 938, p. 111; 946, p. 126; *988, p. 114). William Macey. SW¼SW¼ sec. 13, T. 22 S., R. 22 W. Water levels, in feet below land-surface datum, 1944: Mar. 14, 25.19; June 3, 22.74; Sept. 8, 24.59; Dec. 21; 24.80.

5. (*908, p. 125; 938, p. 111; 946, p. 126, *988, p. 114). Roy Klein. NW¼NE¼ sec. 36, T. 22 S., R. 22 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Mar. 14	30.51	Sept. 8	30.18	Dec. 21	30.11
June 3	27.86	Nov. 15	30.15		

Jewell County

By V. C. Fishel and Clyde C. Reed

Highest and lowest recorded water levels in 25 wells in Jewell County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
4	11	34.18	Sept.29, 1944	53.50	Apr. 2, 1936
6	11	29.19	Oct. 31, 1944	46.76	Oct. 13, 1937
8	11	4.16	Apr. 26, 1943	68.06	Aug. 23, 1934
12	11	62.72	June 27, 1944	77.79	June 8, 1938
14	11	16.25	May 26, 1942	46.69	Mar. 20, 1934
18	11	13.35	Sept.29, 1944	30.77	May 2, 1935
22	11	10.24	Sept.29, 1944	25.68	Aug. 10, 1934
25	11	9.73	Jan. 26, 1942	15.72	Mar. 2, 1935
30	11	32.69	Oct. 31, 1944	43.45	Sept.20, 1940
34	11	10.25	Feb. 19, 1942	33.92	Aug. 19, 1940
40	11	37.69	Oct. 31, 1944	43.13	Oct. 6, 1937
41	10	16.94	June 30, 1943	27.38	May 23, 1941
42	10	24.51	June 27, 1944	31.10	May 11, 1935
44	10	5.00	Aug. 2, 1944	24.03	May 9, 1935
45	10	25.29	June 27, 1944	34.39	Dec. 21, 1940
46	10	.75	Jan. 26, 1942	17.54	Aug. 30, 1934
47	10	2.07	Aug. 28, 1942	13.84	May 9, 1935

Highest and lowest recorded water levels in 25 wells in Jewell County, in feet below land-surface datum--Continued

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
48	10	7.55	Sept.29, 1944	27.19	Oct. 25, 1934
49	10	16.34	June 27, 1944 Sept.29, 1944	46.83	Nov. 24, 1934
50	10	9.50	June 27, 1944	36.25	Nov. 28, 1934
51	10	.07	Jan. 28, 1942	17.25	Sept.26, 1934
64	9	56.29	June 27, 1944	65.90	Jan. 19, 1938
65	9	9.62	Nov. 23, 1942	38.10	Aug. 20, 1940
66	9	11.29	Oct. 28, 1942	27.55	Oct. 23, 1940
69	8	11.98	Sept.29, 1944	24.50	Aug. 19, 1940

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 25 wells in Jewell County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 [a]	Net rise for period of record
4	19.32	+2.46	+11.96
6	17.57	+12.62	+12.91
8	63.90	+7.99	+51.26
12	15.07	+3.95	+9.35
14	30.44	+5.83	+28.88
18	17.42	+3.25	+13.97
22	15.44	+1.50	+12.43
25	5.99	+2.11	+4.21
30	10.76	+2.88	+4.15
34	23.67	+6.70	+9.61
40	5.44	+.51	+4.63
41	10.44	-.39	+6.13
42	6.59	+.88	+3.61
44	19.03	+.29	+6.98
45	9.10	+2.31	+4.33
46	16.79	+2.20	+13.58
47	11.77	+3.37	+7.76
48	19.64	+9.85	+17.31
49	30.49	+4.30	+18.25
50	26.75	+3.21	+22.26
51	17.18	+1.56	+13.88
64	9.61	+2.22	+7.43
65	28.48	+.35	+19.76
66	16.26	-2.77	+3.20
69	12.52	+3.01	+6.69

a From Dec. 30, 1943 to Oct. 31, 1944.

4 (*777, pp. 67-68; *817, pp. 65-67; *840, pp. 110-112; *845, pp. 104, 109; 886, p. 170; 908, p. 129; 938, p. 114; 946, p. 131; *988, p. 116). Harvey Sloan. NE¼NE¼ sec. 5, T. 3 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 35.41; Aug. 2, 36.06; Sept. 29, 34.18; Oct. 31, 36.59.

6 (*777, pp. 67-68; *817, pp. 65-67; *840, pp. 110-112; *845; pp. 104, 109; 886, p. 170; 908, p. 129; 938, p. 114; 946, p. 131; *988, p. 116). H. C. Doud. SE¼SW¼ sec. 5, T. 3 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 39.39; Aug. 2, 38.41; Sept. 29, 37.59; Oct. 31, 29.19.

8 (*777, pp. 67-68; *817, pp. 65-67; *840, pp. 110-112; *845, pp. 104, 109; 886, p. 170; 908, p. 129; 938, p. 114; 946, p. 131; *988, p. 116). Will Zadina. NW¼SW¼ sec. 17, T. 3 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 7.39; Aug. 2, 11.35; Sept. 29, 14.24; Oct. 31, 11.91.

12 (*777, pp. 67-68; *817, pp. 65-67; *840, pp. 110-112; *845, p. 109; 886, p. 170; 908, p. 129; 938, p. 114; 946, pp. 129, 131; *988, p. 116). M. W. Howe. Lot 4 sec. 30, T. 3 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 62.72; Aug. 2, 62.80; Sept. 29, 63.71; Oct. 31, 63.79.

14 (*777, p. 67; *817, pp. 65-67; *840, pp. 110-112; *845, pp. 104, 109; 886, p. 170; 908, p. 129; 938, p. 114; 946, p. 131; *988, p. 116). C. Walker. SE¼SE¼ sec. 24, T. 3 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 17.99; Aug. 2, 18.09; Sept. 29, 17.91; Oct. 31, 17.81.

18 (*777, pp. 67-68; 817, pp. 65-67; *840, pp. 110-112; *845, pp. 104, 109; 886, p. 170; 908, p. 129; 938, p. 114; 946, p. 131; *988, p. 117). Martin Johanek. SE¼SW¼ sec. 29, T. 3 S., R. 10 W. Water levels, in feet below land-surface datum, 1944: June 27, 14.46; Aug. 2, 13.80; Sept. 29, 13.35; Oct. 31, 14.40.

22 (*777, pp. 68-69; *817, pp. 65-69; *840, pp. 110,114,117; *845, pp. 105, 111, 114; 886, p. 172; 908, p. 130; 938, p. 114; 946, pp. 129, 131; *988, p. 117). Meyer Miles. NW¼NE¼ sec. 10, T. 5 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 10.60; Aug. 2, 10.59; Sept. 29, 10.24; Oct. 31, 11.59.

25 (*777, pp. 68, 69; *817, pp. 65, 69; *840, pp. 110, 112; 845, pp. 105, 109; 886, p. 170; 908, p. 129; 938, p. 114; 946, p. 131; *988, p. 117). J. N. Sorrell. NW¼NW¼ sec. 29, T. 5 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 10.39; Aug. 2, 10.49; Sept. 29, 10.38; Oct. 31, 10.28.

30 (*777, pp. 68, 69; *817, pp. 65, 69; *840, pp. 110, 114, 117; 845, pp. 105, 111, 114; 886, p. 172; 908, p. 130; 938, p. 114; 946, pp. 129-131; *988, p. 117). Fred Van Wey. NE¼SW¼ sec. 28, T. 4 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 34.49; Aug. 2, 34.45; Sept. 29, 33.43; Oct. 31, 32.69.

34 (*817, pp. 65, 77; *840, pp. 110, 114, 118; *845, pp. 105, 111; 886, p. 172; 908, p. 130; 938, p. 114; 946, p. 131; *988, p. 117). Glen Kindler. SE¼SE¼ sec. 18, T. 3 S., R. 10 W. Water levels, in feet below land-surface datum, 1944: June 27, 15.26; Aug. 2, 17.29; Sept. 29, 17.35; Oct. 31, 16.99.

40 (*777, pp. 68, 69; *817, pp. 65, 69; *840, p. 111, 113; *845, pp. 106, 110; 886, p. 170; 908, p. 129; 938, p. 114; 946, p. 131; *988, p. 118). R. L McDaniel. SE¼NW¼ sec. 15, T. 4 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 38.09; Aug. 2, 38.05; Sept. 29, 37.86; Oct. 31, 37.69.

41 (*777, pp. 68, 69; *817, pp. 65, 69; *840, pp. 111, 113; *845, pp. 106, 110; 886, p. 170; 908, p. 129; 938, p. 114; 946, pp. 130, 131; *988, p. 118). Walter Dietz. Lot 16 of sec. 6, T. 5 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: Sept. 29, 1959; Oct. 31, 19.68.

42 (*777, pp. 68, 69; *817, pp. 65, 69; *840, pp. 111, 113; *845, pp. 106, 110; 886, p. 170; 908, p. 129; 938, p. 114; 946, pp. 130, 131; *988, p. 118). L. Lowdermilk. NW¼NE¼ sec. 27, T. 6 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 24.51; Aug. 2, 25.55; Sept. 29, 25.74; Oct. 31, 26.26.

43 (*817, pp. 65, 69; *840, pp. 111, 113; *845, pp. 106, 110; 886, p. 170; 908, p. 129; 938, p. 114; 946, pp. 130, 131; *988, p. 118). S. Branagan. SW¼SE¼ sec. 25, T. 5 S., R. 9 W. Measurements discontinued.

44 (*777, pp. 68, 69; *817, pp. 66, 71; *840, pp. 111, 113; *845, pp. 106, 110; 886, p. 170; 908, p. 129; 938, p. 114; 946, pp. 130, 131; *988, p. 118). Cleo Gimple. SE¼SW¼ sec. 13, T. 4 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 6.00; Aug. 2, 5.00; Sept. 29, 6.22; Oct. 31, 8.28.

45 (*777, pp. 68, 69; *817, pp. 66, 71; *840, pp. 111, 113; *845, pp. 106, 110; 886, p. 170; 908, p. 129; 938, p. 114; 946, pp. 130, 131; *988, p. 119). Victor Yapp. NE¼SW¼ sec. 24, T. 4 S., R. 10 W. Water levels, in feet below land-surface datum, 1944: June 27, 25.29; Aug. 2, 25.99; Sept. 29, 25.41; Oct. 31, 25.69.

46(*817, pp. 66, 71; *840, pp. 111, 113; *845, pp. 106, 110; 886, p. 170; 908, p. 129; 938, pp. 113, 114; 946, pp. 130, 131; *988, p. 119). Ralph Wierenga. Lot 3 of sec. 19, T. 5 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 1.98; Aug. 2, 2.02; Sept. 29, 2.75; Oct. 31, 2.99.

47 (*817, pp. 66, 71; *840, pp. 111, 114; *845, pp. 106, 110; 886, p. 170; 908, p. 129; 938, pp. 113, 114; 946, p. 131; *988, p. 119). Meyer Miles. SE¼SW¼ sec. 3, T. 5 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 3.31; Aug. 2, 3.47; Sept. 29, 3.88; Oct. 31, 4.22.

48 (*777, pp. 68, 69; *817, pp. 66, 71; *840, pp. 111, 114; *845, pp. 107, 110; 886, p. 171; 908, p. 130; 938, p. 115; 946, p. 132; *988, p. 119). Frank Rogers. SW¼SW¼ sec. 23, T. 4 S., R. 10 W. Water levels, in feet below land-surface datum, 1944: June 27, 8.50; Aug. 2, 8.55; Sept. 29, 7.55; Oct. 31, 8.54.

49 (*777, pp. 68, 69; *817, pp. 66, 71; *840, pp. 111, 114; *845, pp. 107, 110; 886, p. 171; 908, p. 130; 938, p. 115; 946, p. 132; *988, p. 119). E. Underwood. SW¼NE¼ sec. 5, T. 3 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 16.34; Aug. 2, 17.09; Sept. 29, 16.34; Oct. 31, 17.90.

50 (*777, pp. 68, 69; *817, pp. 66, 71; *840, pp. 111, 114; *845, pp. 107, 110; 886, p. 171; 908, p. 130; 938, p. 114; 946, pp. 130, 131; *988, p. 119). S. Strom. Lot 15 of sec. 31, T. 3 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 9.50; Aug. 2, 11.39; Sept. 29, 15.54; Oct. 31, 13.13.

51 (*817; pp. 66, 76; *840, pp. 111, 116, 119; *845, pp. 107, 113, 115; 886, p. 173; 908, p. 131; 938, pp. 113, 114; 946, p. 131; *988, p. 120). L. C. Beeler Estate. NW¼NE¼ sec. 17, T. 4 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 2.80; Aug. 2, 2.93; Sept. 29, 3.48; Oct. 31, 3.37.

64 (*840, pp. 111, 114; *845, pp. 108, 110; 886, p. 171; 908, p. 130; 938, p. 115; 946, p. 132; *988, p. 120). Chris Vandeventer, former owner. SE¼SW¼ sec. 6, T. 3 S., R. 8 W. Water levels, in feet below land-surface datum, 1944: June 27, 56.29; Aug. 2, 56.48; Sept. 29, 56.19; Oct. 31, 57.39.

65 (*840, pp. 111, 114; *845, pp. 108, 110; 886, p. 171; 908, p. 130; 938, p. 114; 946, p. 131; *988, p. 121). Mrs. B. M. Parkhurst. SE¼SE¼ sec. 23, T. 3 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 10.63; Aug. 2, 10.79; Sept. 29, 10.58; Oct. 31, 10.87.

66 (*840, pp. 111, 114; *845, pp. 108, 110; 886, p. 171; 908, p. 130; 938, p. 115; 946, p. 132; *988, p. 121). A. E. Cook farm. SE¼NE¼ sec. 1, T. 5 S., R. 10 W. Water levels, in feet below land-surface datum, 1944: June 27, 20.97; Aug. 2, 19.45; Sept. 29, 19.56; Oct. 31, 18.91.

69 (*840, pp. 111, 119; *845, pp. 109, 115; 886, p. 171; 908, p. 130; 938, p. 115; 946, p. 132; *988, p. 121). Walter Dietz. NW¼ lot 2 of sec. 7, T. 5 S., R. 9 W. Water levels, in feet below land-surface datum, 1944: June 27, 13.39; Aug. 2, 13.54; Sept. 29, 11.98; Oct. 31, 12.48.

Kearny County

By T. G. McLaughlin

Highest and lowest recorded water levels in 10 wells in Kearny County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	5	6.54	June 26, 1942	12.13	Sept.10, 1943
2	5	50.39	Dec. 4, 1943	59.74	Sept.29, 1940
7	5	49.41	May 9, 1942	53.37	Oct. 16, 1939
11	5	12.17	Sept. 1, 1944	15.37	Mar. 15, 1941

Highest and lowest recorded water levels, in 10 wells in Kearny County, in feet below land-surface datum--Continued

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
12A	2	6.78	Sept. 2, 1944	11.09	Nov. 6, 1943
13	5	1.47	May 9, 1942	8.93	Dec. 20, 1939
16	5	43.27	Sept. 1, 1944	47.81	July 3, 1941
19	5	130.37	Dec. 3, 1943	131.33	Oct. 26, 1943
23	5	173.93	Oct. 24, 1939	178.42	Oct. 26, 1943
28	5	121.41	Nov. 5, 1943	123.85	Feb. 19, 1940 Oct. 22, 1940

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 10 wells in Kearny County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 a/	Net rise (+) or net decline (-) for period of record
1	5.59	+1.25	+2.11
2	9.35	-1.42	+6.67
7	3.96	+1.03	+2.80
11	3.20	+1.19	+1.79
12A	4.31	+3.92	+2.02
13	7.46	+2.68	+4.25
16	4.54	+.66	+1.84
19	.96	-.61	-.11
23	4.49	-.49	b -4.28
28	2.44	+.28	+2.24

a Between last measurement in 1943 and last measurement in 1944.
b Well affected by pumping.

Water-level measurements

1 (*886, p. 164; 908, p. 133; *938, p. 116; 946, p. 133; *988, p. 122). R. T. Beatty. NW¼NE¼ sec. 34, T. 24 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	9.82	Apr. 13	9.35	July 8	8.62	Oct. 21	9.21
Feb. 19	9.77	May 20	8.75	Aug. 4	8.78	Nov. 22	9.27
Mar. 11	9.72	June 24	8.11	Sept. 1	9.27	Dec. 2	9.22

2 (*886, p. 164; 908, p. 133; *938, p. 116; 946, p. 133; *988, p.122). C. E. Wothern. SE¼SE¼ sec. 16, T. 24 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	54.32	Mar. 11	53.13	June 8	52.58	Aug. 4	52.34
Feb. 18	53.76	Apr. 13	53.46	July 8	55.12	Sept. 1	51.81

7 (*886, p. 164; 908, p. 134; *938, p. 117; 946, p. 134; *988, p.122). C. H. Browne. NW¼SW¼ sec. 8, T. 25 S., R. 37 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	51.96	Apr. 15	49.97	July 8	51.54	Oct. 21	49.86
Feb. 19	50.54	May 20	50.22	Aug. 5	50.18	Nov. 25	50.17
Mar. 11	50.31	June 10	50.07	Sept. 2	50.29	Dec. 2	50.57

11 (*886, p. 165; 908, p. 134; *938, p. 117; 946, p. 134; *988, p.122). P. J. Fichter. SW¼SW¼ sec. 11, T. 25 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Mar. 11	13.85	June 24	13.14	Dec. 2	12.39
Apr. 13	13.44	Sept. 1	12.17		

12A (*988, p. 123). J. E. Beymer. SE¼SW¼ sec. 22, T. 24 S., R. 35 W.

Water level, in feet below land-surface datum, 1944

Mar. 11	10.33	June 24	6.97	Dec. 2	7.17
Apr. 13	10.08	Sept. 2	6.78		

13 (*886, p. 165; 908, p. 134; *938, p. 117; 946, p. 134; *988, p.123). D. S. Nicholson. NW¼NW¼ sec. 15, T. 25 S., R. 37 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	6.15	Apr. 15	5.26	July 8	2.87	Oct. 21	3.98
Feb. 19	5.08	May 20	5.42	Aug. 5	3.43	Nov. 25	4.45
Mar. 11	4.88	June 10	2.56	Sept. 2	4.49	Dec. 2	4.31

16 (*886, p. 165; *908, p. 134; 938, p. 118; 946, p. 134; *988, p.123). C. B. Campbell. SE¼SE¼ sec. 15, T. 23 S., R. 35 W. Water level, in feet below land-surface datum, 1944: Mar. 10, 44.44; June 23, 44.28; Sept. 1, 43.27; Dec. 2, 43.64.

19 (*886, p. 165; 908, p. 135; *938, p. 118; 946, p. 135; *988, p.123). E. M. Beymer. NE¼NW¼ sec. 8, T. 26 S., R. 38 W. Water levels, in feet below land-surface datum, 1944: Mar. 7, 131.06; June 24, 131.01; Sept. 1, 130.46; Dec. 14, 130.98.

23 (*886, p. 166; 908, p. 135; *938, p. 118; 946, p. 135; *988, p. 123). James Coghill. NW¼NW¼ sec. 18, T. 26 S., R. 37 W. Water levels, in feet below land-surface datum, 1944: June 24, 178.21; measurements discontinued after June 1944.

28 (*886, p. 166; 908, p. 135; *938, p. 118; 946, p. 135; *988, p. 123). Harry Tate. NW¼NW¼ sec. 26, T. 22 S., R. 37 W. Water levels, in feet below land-surface datum, 1944: Mar. 10, 121.76; June 8, 122.27; Sept. 1, 121.49; Dec. 2, 121.53.

Kiowa County

By B. F. Latta

Highest and lowest recorded water levels in 4 wells in Kiowa County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
4	4	74.84	June 19, 1944	76.07	Aug. 20, 1943
7	4	29.13	Nov. 15, 1944	32.51	Mar. 22, 1941
8	4	23.13	Sept. 1, 1944	26.62	Apr. 28, 1941
10	4	104.86	Dec. 8, 1943	106.77	Oct. 24, 1940

Difference between highest and lowest recorded water levels, and net change in water levels, in feet, in 1944 and for period of record in 4 wells in Kiowa County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 [a]	Net rise for period of record
4	1.23	+0.51	0.65
7	3.38	+2.44	3.27
8	3.49	+1.22	1.80
10	1.91	-.09	1.82

a Between last measurement in 1943 and last measurement in 1944.

4 (*908, p. 137; 938, p. 119; 946, p. 136; *988, p. 125). H. E. Davis. SE¼NE¼ sec. 4, T. 28 S., R. 16 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	75.36	Apr. 6	75.29	July 26	74.96	Oct. 23	74.86
Feb. 21	75.35	May 12	75.09	Aug. 17	74.98	Nov. 15	74.89
Mar. 3	75.34	June 19	74.84	Sept. 1	74.86	Dec. 8	74.87

5 (*908, p. 137; 938, pp. 119-120; 946, p. 136; *988, p. 124). L. W. Grimes. NW¼NW¼ sec. 34, T. 27 S., R. 17 W. Measurements discontinued in March 1944. Water level, in feet below land-surface datum, 1944: Feb. 21, 40.66.

7 (*908, p. 137; 938, p. 120; 946, p. 136; *988, p. 124). A. C. Weaver. SW¼NW¼ sec. 23, T. 27 S., R. 18 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	31.39	Apr. 6	31.37	July 26	30.17	Oct. 23	29.26
Feb. 21	31.43	May 12	31.12	Aug. 17	30.07	Nov. 15	29.13
Mar. 3	31.44	June 19	30.42	Sept. 1	29.68	Dec. 8	28.98

8 (*908, p. 137; 938, p. 120; 946, p. 136; *988, p. 125). E. E. Miller. SW¼SE¼ sec. 18, T. 27 S., R. 18 W.

Water level, in feet below land-surface datum, 1944

Jan. 18	25.84	Apr. 6	25.69	Aug. 17	23.60	Nov. 15	23.33
Feb. 21	25.80	May 12	23.82	Sept. 1	23.13	Dec. 8	24.16
Mar. 3	25.72	June 19	24.45	Oct. 23	23.46		

10 (*908, p. 137; 938, p. 120; 946, p. 136; *988, p. 125). J. E. Ely. SW¼NW¼ sec. 23, T. 30 S., R. 18 W.

Water level, in feet below land-surface datum, 1944

May 12	105.24	July 26	104.93	Sept. 1	105.30	Nov. 14	105.26
June 19	105.20	Aug. 17	105.43	Oct. 23	105.24	Dec. 16	104.95

19. C. Williamson. SE¼NE¼ sec. 21, T. 27 S., R. 17 W. Drilled irrigation well, diameter 18 inches, depth 90 feet. Measuring point, lower edge of pump base, north side, 0.5 foot above land-surface datum. Equipped with turbine pump and gasoline engine.

Water level, in feet below land-surface datum, 1941, 1944

Date	Water level	Date	Water level	Date	Water level
July 11, 1941	38.98	Aug. 17, 1944	36.82	Nov. 15, 1944	35.93
June 19, 1944	37.30	Sept. 1	36.65	Dec. 8	35.73
July 26	37.03	Oct. 23	36.15		

Labette County

By C. C. Williams.

Highest and lowest recorded water levels in 4 wells in Labette County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	2	1.72	Dec. 17, 1944	13.54	Jan. 16, 1944
2	2	.61	Dec. 17, 1944	13.62	Oct. 17, 1943
3	2	1.32	Dec. 17, 1944	10.47	Oct. 2, 1943
4	2	5.41	Apr. 12, 1944	12.12	Jan. 16, 1944

Difference between highest and lowest recorded water levels, and net change in water levels, in feet, in 1944 and for period of record, in 4 wells in Labette County

Well	Difference between highest and lowest levels	Net rise in in 1944 a/	Net rise for period of record
1	11.82	12.58	7.59
2	13.01	11.39	1.66
3	9.15	8.04	1.64
4	6.71	4.00	2.12

a Between last measurement in 1943 and last measurement in 1944.

1 (*946, p. 137; *988, p. 125). J. Ballah. NW¼NE¼ sec. 33, T. 31 S., R. 21 E. Measuring point beginning July 2, 1944, 1.0 foot below old measuring point, 2.0 feet above land-surface datum.

1. J. Ballah--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	13.40	Apr. 1	5.81	Aug. 1	12.44	Oct. 16	9.57
16	13.54	May 12	3.66	16	12.86	Nov. 1	11.02
Feb. 1	13.28	June 1	7.70	Sept. 1	5.56	16	11.59
16	13.29	16	7.94	17	11.52	Dec. 2	11.89
Mar. 1	12.70	July 2	10.29	Oct. 1	9.33	17	1.72
16	12.30	16	11.59				

2 (*988, p. 125). C. Givens. NW¼NW¼ sec. 27, T. 31 S., R. 21 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	11.87	Apr. 1	1.24	Aug. 1	11.37	Oct. 16	5.33
16	11.84	May 12	1.11	16	12.06	Nov. 1	5.18
Feb. 1	11.70	June 1	2.45	Sept. 1	8.78	Nov. 16	5.51
16	11.38	16	4.08	17	9.23	Dec. 2	5.41
Mar. 1	10.63	July 2	7.78	Oct. 1	6.04	17	.61
16	10.52	16	10.03				

3 (*988, p. 125). B. H. Foster. SE¼SE¼ sec. 34, T. 31 S., R. 21 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	9.50	Apr. 1	1.99	Aug. 1	8.36	Oct. 16	4.11
16	9.39	May 12	1.80	16	9.09	Nov. 1	5.17
Feb. 1	9.07	June 1	2.89	Sept. 1	4.78	16	5.82
16	8.98	16	2.53	17	7.71	Dec. 2	4.99
Mar. 1	7.26	July 2	5.02	Oct. 1	3.73	17	1.32
16	7.10	16	6.50				

4 (*988, p. 125). Roy Schierenburg. SE¼SW¼ sec. 3, T. 32 S., R. 21 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	12.09	Apr. 1	9.38	Aug. 1	9.98	Oct. 16	9.53
16	12.12	May 12	5.41	16	10.72	Nov. 1	9.98
Feb. 1	12.11	June 1	6.78	Sept. 1	9.43	16	10.32
16	12.09	16	7.14	17	10.69	Dec. 2	10.59
Mar. 1	11.44	July 2	8.26	Oct. 1	9.29	17	7.02
16	11.32	16	9.08				

Logan County

By Betty Ball

Highest and lowest water levels for the period of record, in feet below land-surface datum, in 3 wells in Logan County

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	2	96.42	Jan. 22, 1944	97.43	Oct. 21, 1943 Dec. 19, 1944
2	2	59.66	Mar. 19, 1943	65.21	Feb. 27, 1944
4	2	33.45	Nov. 28, 1944 Dec. 18, 1944	34.85	Aug. 6, 1943

Difference between highest and lowest recorded water levels, and net change in water levels, in feet, in 1944 and for period of record, in 3 wells in Logan County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 [a]	Net rise (+) or net decline (-) for period of record
1	1.01	-0.08	-0.19
2	5.55	+.10	-.30
4	1.40	+.03	+.14

a Between last measurement in 1943 and last measurement in 1944.

1 (*946, p. 138; *988, p. 126). Octon Estate. SW¼SW¼ sec. 2, T. 11 S., R. 32 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	96.42	Apr. 24	96.98	July 20	97.15	Oct. 19	97.43
Feb. 27	97.23	May 24	97.09	Aug. 10	97.24	Nov. 28	97.36
Mar. 18	97.08	June 12	97.10	Sept. 5	96.93	Dec. 18	97.37

2 (*946, p. 138; *988, p. 126). J. J. Schultz. SE¼SE¼ sec. 34, T. 11 S., R. 32 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 22	60.17	July 20	59.87	Oct. 19	59.96
Feb. 27	65.21	Aug. 10	59.87	Nov. 28	60.02
Apr. 24	60.26	Sept. 5	59.88	Dec. 18	60.04
May 24	59.94				

4 (*946, p. 138; *988, p. 127). L. L. Garrison Estate. SE¼SE¼ sec. 10, T. 13 S., R. 32 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	33.64	Apr. 24	11.93	Aug. 18	33.71	Nov. 28	33.45
Feb. 27	33.62	June 12	33.60	Sept. 5	33.47	Dec. 18	33.45
Mar. 18	33.63	July 19	33.58	Oct. 19	33.48		

McPherson County

By C. C. Williams

Highest and lowest recorded water levels in 9 wells in McPherson County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
243	7	82.09	Sept. 2, 1938	83.09	Oct. 28, 1937
249	7	25.47	July 12, 1944	a 36.13	Apr. 2, 1940
250	7	36.58	July 12, 1944	a 45.87	July 29, 1938
260	7	21.18	Oct. 1, 1942	27.85	Nov. 4, 1937
262	7	22.42	Oct. 1, 1942	b 41.35	Nov. 2, 1938
309	7	20.74	Apr. 8, 1944	37.26	Mar. 26, 1938
310	7	7.59	Dec. 7, 1944	19.39	Nov. 4, 1937
311	7	7.48	May 8, 1944	13.06	Dec. 31, 1939
1501a	1½	26.48	Nov. 6, 1944	c 36.82	Feb. 29, 1944

a Measured after well had been pumped.
b Measured while pumping.
c Nearby well pumping.

Difference between highest and lowest recorded water levels, and net change in water levels, in feet, in 1944 and for period of record, in 9 wells in McPherson County

Well	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944 a/	Net rise for period of record
243	1.00	-0.04	0.04
249	10.66	+4.14	5.45
250	9.29	+1.40	6.06
260	6.67	+.49	2.97
262	18.93	+1.63	5.20
309	16.52	+2.06	11.62
310	11.80	+.76	11.80
311	5.58	+2.63	3.87
1501a	10.34	+.53	.97

a Between last measurement in 1943 and last measurement in 1944.

243 (*840, p. 104; 845, p. 123; 886, p. 214; 908, p. 139; 938, p. 121; 946, p. 139; *988, p. 128). Emma Bergstrom. SE¼SW¼SE¼ sec. 5, T. 19 S., R. 3 W. Water levels, in feet below land-surface datum, 1944: Jan. 17, 83.03; Mar. 30, 82.99; July 12, 83.05; Oct. 7, 83.05.

249 (*840, p. 104; 845, p. 123; 886, p. 215; 908, p. 139; 938, p. 121; 946, p. 139; *988, p. 128). Prudential Life Insurance Co. SE. corner sec. 5, T. 18 S., R. 3 W. Water levels, in feet below land-surface datum, 1944: Jan. 17, 31.60; Mar. 30, 31.83; July 12, 25.47; Oct. 7, 28.24.

250 (*840, p. 104; 845, p. 124; 886, p. 215; 908, p. 139; 938, p. 121; 946, p. 139; *988, p. 128). John Weed. NE¼NE¼SE¼ sec. 30, T. 19 S., R. 4 W. Water levels, in feet below land-surface datum, 1944: Jan. 17, 38.11; Mar. 30, 37.84; July 12, 36.58; Oct. 7, 36.64.

260 (*840, p. 104; 845, p. 124; 886, p. 215; 908, p. 139; 938, p. 121; 946, p. 139; *988, p. 128). John Rawson. SE¼SE¼ sec. 33, T. 17 S., R. 4 W. Water levels, in feet below land-surface datum, 1944: Jan. 17, 25.53; Mar. 30, 25.35; July 12, 22.44; Oct. 7, 24.88.

262 (*840, p. 104; 845, p. 124; 886, p. 215; 908, p. 139; 938, p. 121; 946, p. 139; *988, p. 128). P. A. Olson. NE¼NW¼NE¼ sec. 1, T. 18 S., R. 5 W. Water levels, in feet below land-surface datum, 1944: Jan. 17, 26.87; Mar. 30, 32.62; July 12, 26.69; Oct. 7, 24.88.

309 (*840, p. 104; 845, p. 124; 886, p. 215; 908, p. 139; 938, p. 122; *946, p. 139; *988, p. 128). Mrs. Ida Tuxhorn. SW¼SW¼ sec. 9, T. 21 S., R. 4 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	28.33	Apr. 8	20.74	Aug. 7	23.90	Nov. 6	25.09
Feb. 29	28.67	June 3	21.44	Sept. 2	23.97	Dec. 4	25.12
Mar. 30	27.79	July 8	23.10	Oct. 3	24.81		

310 (*845, p. 125; 886, p. 216; 908, p. 140; 938, p. 122; 946, p. 139; *988, p. 128). City of Moundridge. SW¼NE¼SW¼ sec. 23, T. 21 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 17	8.32	May 8	7.97	Aug. 7	7.94	Nov. 6	7.74
Feb. 29	8.31	June 3	7.91	Sept. 2	7.83	Dec. 7	7.59
Mar. 30	8.14	July 6	9.09	Oct. 3	7.71		

311 (*845, p. 125; 886, p. 216; 908, p. 140; 938, p. 122; 946, p. 140; *988, p. 129). City of Moundridge. SW¼NE¼SW¼ sec. 23, T. 21 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 17	10.70	May 8	7.48	Aug. 7	9.29	Nov. 6	9.47
Feb. 29	10.22	June 3	7.88	Sept. 2	9.70	Dec. 7	8.33
Mar. 30	9.08	July 6	9.25	Oct. 3	9.87		

1501a (*988, p. 129). City of Moundridge. NE¼NE¼NW¼ sec. 29, T. 21 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 17	a 35.91	May 8	a 35.83	July 7	26.62	Oct. 3	26.67
31	a 36.10	June 3	26.90	Aug. 2	a 35.42	Nov. 6	26.48
Feb. 29	a 36.82	30	27.04	7	26.62	Dec. 7	26.53
Mar. 30	a 35.94	July 6	27.29	Sept. 2	a 35.42		

a Nearby well pumping.

Meade County

By Betty Ball

Highest and lowest recorded water levels in 12 wells in Meade County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
2	5.5	19.28	June 17, 1944	21.68	Sept.29, 1939
10	5.5	13.10	June 10, 1941	18.91	Aug. 3, 1939
27	5.5	16.69	June 17, 1944	19.64	Oct. 29, 1939
33	5.5	37.33	Nov. 23, 1942	38.75	Nov. 3, 1943
34	5.5	143.28	Dec. 14, 1944	150.39	Oct. 29, 1939
36	5.5	156.57	Jan. 21, 1941	159.96	Sept.20, 1940
45	5.5	2.01	June 17, 1944	4.10	Aug. 31, 1939
55	5.5	84.87	Sept.30, 1939	85.92	Sept.20, 1940
61	5.5	59.78	Dec. 14, 1944	60.77	May 17, 1940
77	5.5	62.00	June 17, 1944	67.12	Sept. 9, 1943
88	5.5	41.95	May 12, 1942	46.20	July 1, 1942
234	5.5	13.12	Dec.4,5,6,1944	15.52	Aug. 31, 1939

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 12 wells in Meade County

Well	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944 [a]	Net rise (+) or net decline (-) for period of record
2	2.40	+1.08	+1.11
10	5.81	+.15	+2.86
27	2.95	+.03	+1.15
33	1.42	(b)	-.28
34	7.11	+3.49	+3.40
36	3.39	-.40	-.04
45	2.09	+1.11	+1.08
55	1.05	(b)	+.51
61	.99	+.25	+.78
77	5.12	(b)	+.20
88	4.25	+1.17	+1.52
234	2.40	+.65	+2.29

a Between last measurement in 1943 and last measurement in 1944.
b Record for 1944 incomplete.

2 (*886, p. 175; 908, p. 143; 938, p. 123; 946, p. 141; *988, p. 130). W. A. Ellison. NW¼SW¼ sec. 5, T. 30 S., R. 26 W. Water levels, in feet below land-surface datum, 1944: Mar. 1, 20.53; June 17, 19.28; Aug. 30, 20.10; Dec. 6, 19.79.

10 (*886, p. 176; 906, p. 143; 938, p. 124; 946, p. 141; *988, p. 130). Fred Borchers. SW¼NW¼ sec. 29, T. 33 S., R. 28 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 13.77; June 17, 13.45; Aug. 31, 14.53; Dec. 14, 14.29.

27 (*886, p. 176; 908, p. 143; 938, p. 124; 946, p. 141; *988, p. 130). Ira C. Rees. SW¼NW¼ sec. 9, T. 30 S., R. 26 W. Water levels, in feet below land-surface datum, 1944: Mar. 1, 17.03; June 17, 16.69; Aug. 30, 16.77; Dec. 6, 17.31.

33 (*886, p. 176; 908, p. 143; 938, p. 124; 946, p. 142; *988, p. 130). W. L. Woodruff. NE¼NW¼ sec. 34, T. 33 S., R. 26 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 37.62; June 18, 37.65; Aug. 31, 37.87.

34 (*886, p. 176; 908, p. 143; 938, p. 124; 946, p. 142; *988, p. 130). District School. SE¼SE¼ sec. 17, T. 33 S., R. 27 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 146.85; June 17, 146.99; Aug. 31, 147.03; Dec. 14, 143.28.

36 (*886, p. 177; 908, p. 143; 938, p. 124; 946, p. 142; *988, p.130). Tony Steinke. NW¼NE¼ sec. 24, T. 32 S., R. 27 W. Water levels, in feet below land-surface datum, 1944: Mar. 1, 157.44; June 17, 157.27; Aug. 30, 157.25; Dec. 14, 158.35.

45 (*886, p. 177; 908, p. 144; 938, p. 125; 946, p. 142; *988, p.131). Joseph Rocke. SE¼NE¼ sec. 31, T. 30 S., R. 27 W. Water levels, in feet below land-surface datum, 1944: Mar. 1, 2.82; June 17, 2.01; Aug. 30, 2.52; Dec. 6, 2.29.

55 (*886, p. 178; 908, p. 144; 938, p. 125; 946, p. 142; *988, p.131). C. W. Farris. SE¼SE¼ sec. 15, T. 30 S., R. 28 W. Water levels, in feet below land-surface datum, 1944: June 17, 85.39; Aug. 30, 85.26.

61 (*886, p. 178; 908, p. 144; 938, p. 125; 946, p. 143; *988, p.131). John Meyer. NW¼NW¼ sec. 26, T. 31 S., R. 27 W. Water levels, in feet below land-surface datum, 1944: June 17, 59.85; Aug. 30, 59.79; Dec. 14, 59.78.

77 (*886, p. 178; 908, p. 145; 938, p. 126; 946, p. 143; *988, p.131). J. W. Wood. SE¼NE¼ sec. 4, T. 32 S., R. 28 W. Water levels, in feet below land-surface datum, 1944: Mar. 2, 62.80; June 17, 62.00; Aug. 31, 62.92.

88 (*886, p. 179; 908, p. 145; 938, p. 126; 946, p. 143; *988, p.131). H. V. Gulick. SE¼SE¼ sec. 14, T. 31 S., R. 28 W. Water levels, in feet below land-surface datum, 1944: Aug. 31, 43.68; Dec. 6, 42.92.

234 (*886, p. 279; 908, p. 145; 938, p. 126; 946, pp. 143-144; *988, p. 131). Christopher Sobba. NW¼NE¼ sec. 23, T. 30 S., R. 27 W.

Lowest daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.87	13.91	13.80	13.78	13.52	.....	13.30	.....	13.38	13.41	.....	13.23
2	13.85	.....	13.77	13.78	13.50	13.23	13.27	.....	13.39	13.38	.....	13.21
3	13.86	.....	13.79	13.77	13.51	13.25	13.27	.....	.....	13.37	.....	13.19
4	13.90	.....	13.79	13.76	13.53	13.31	13.28	.....	.....	13.30	.....	13.12
5	13.90	13.83	13.79	13.76	13.52	13.33	13.28	.....	.....	13.34	.....	13.12
6	13.89	13.82	13.81	.....	13.51	13.34	13.27	.....	.....	13.36	.....	13.12
7	13.89	13.80	13.84	13.71	13.49	13.32	13.29	.....	.....	13.36	.....	13.13
8	13.89	13.82	13.82	13.70	13.51	13.31	13.30	.....	13.38	13.35	.....	13.13
9	13.86	13.82	13.82	13.70	13.50	13.33	13.30	.....	13.38	13.35	.....	13.17
10	13.87	13.85	13.78	13.65	13.50	13.33	13.30	.....	13.39	13.35	13.18	13.18
11	13.91	13.85	13.78	13.63	13.47	13.31	13.29	.....	13.39	13.34	13.20	13.17
12	13.92	13.83	13.79	13.65	13.47	13.28	13.30	.....	13.39	13.33	13.19	13.18
13	13.92	13.81	13.78	13.64	13.47	13.27	13.30	.....	13.39	13.32	13.22	13.18
14	13.91	13.79	13.77	13.61	13.45	13.28	13.30	.....	13.37	.....	13.26	13.18
15	13.88	13.80	13.75	13.67	13.43	13.29	.....	.....	13.36	.....	13.28	13.18
16	13.92	13.80	13.75	13.67	13.43	13.29	.....	.....	13.38	.....	13.27	13.17
17	13.92	13.83	13.74	13.68	13.48	13.31	.....	.....	13.37	.....	13.23	13.18
18	13.92	13.84	13.76	13.68	13.49	13.34	.....	.....	13.37	.....	13.22	13.18
19	13.92	13.84	13.74	13.67	13.50	13.35	.....	.....	13.37	.....	13.22	13.18
20	13.91	13.81	13.74	13.63	13.50	13.33	.....	.....	13.40	13.35	13.23	13.19
21	13.91	13.80	13.76	13.61	13.49	13.31	a13.30	.....	13.41	13.35	13.23	13.19
22	13.92	13.81	13.77	13.61	13.47	13.32	.....	.....	13.42	13.36	13.22	13.16
23	13.90	13.80	13.75	13.58	13.47	13.34	.....	.....	13.48	13.35	13.22	13.19
24	13.86	13.68	13.75	13.59	13.46	13.32	.....	.....	13.48	13.35	13.16	13.18
25	13.90	13.77	13.75	13.57	13.47	13.31	.....	.....	13.47	13.34	13.20	13.22
26	13.90	13.80	13.75	13.61	13.47	13.29	.....	.....	13.48	13.37	13.21	13.22
27	13.87	13.82	13.75	13.62	.....	13.32	.....	.....	13.48	13.38	13.21	13.22
28	13.87	13.80	13.76	13.61	.....	13 33	a13.27	.....	13.46	13.37	13.24	13.22
29	13.87	13.81	13.73	13.57	.....	13.33	.....	.....	13.44	.....	13.24	13.18
30	13.90	.....	13.73	13.52	.....	13.32	.....	13.40	13.41	.....	13.24	13.21
31	13.91	.....	13.72	.....	.....	.....	.....	13.42	.....	.....	.....	13.23

a Wetted tape measurement.

Morton County

By T. G. McLaughlin

Highest and lowest recorded water levels in 3 wells in Morton County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
22	5.5	72.95	Aug. 28, 1943 Sept.24, 1943	75.45	Jan. 6, 1941
65	5.5	52.08	Aug. 3, 1944	53.75	Mar. 13, 1941
117	5.5	164.05	Dec. 14, 1944	166.48	Aug. 28, 1943

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 3 wells in Morton County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 a/	Net rise for period of record
22	2.50	-0.40	0.04
65	1.67	+.56	.99
117	2.43	+1.53	2.14

22 (*886, p. 181; 908, p. 148; 938, p. 127; 946, p. 145; *988, p.133). A. F. Wilcox. SE¼SW¼ sec. 14, T. 31 S., R. 43 W. Water levels, in feet below land-surface datum, 1944: Mar. 7, 73.09; June 28, 73.11; Sept. 14, 73.51.

65 (*886, p. 181; 908, p. 149; 938, p. 127; 946, p. 145; *988, p.133). John Hentschel, SE¼SE¼ sec. 8, T. 33 S., R. 42 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	52.88	Apr. 20	52.94	July 13	52.14	Oct. 6	52.35
Feb. 18	52.95	May 4	52.88	Aug. 3	52.08	Nov. 22	52.17
Mar. 7	52.98	June 28	52.38	Sept.14	52.23	Dec. 14	52.20

114 (*886, p. 183; 908, p. 150; 938, p. 128; 946, p. 145; *988, p.133). J. L. Kniffen. SE¼SE¼ sec. 13, T. 35 S., R. 41 W. Measurements discontinued after December 1943.

117 (*886, p. 183; 908, p. 150; 938, p. 128; 946, p. 145; *988, p.133). W. C. Washburn. SW¼SW¼ sec. 4, T. 34 S., R. 42 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	164.80	June 28	164.79	Aug. 3	164.56	Nov. 22	164.26
May 4	164.67	July 13	164.29	Oct. 6	164.49	Dec. 14	164.05

Ness County

By Betty Ball

Highest and lowest recorded water levels in 2 wells in Ness County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	4	33.16	June 6, 1941	34.91	Aug. 27, 1940
2	4	23.22	Dec. 26, 1944	25.85	Nov. 8, 1943

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 2 wells in Ness County

Well	Difference between highest and lowest levels	Net rise in 1944 a/	Net rise for period of record
1	1.75	1.09	1.37
2	2.63	2.33	2.18

a Between last measurement in 1943 and last measurement in 1944.

1 (*908, p. 151; 938, p. 128; 946, p. 146; *988, p. 134). J. E. Ficken. SE¼SW¼ sec. 32, T. 20 S., R. 23 W. Water levels, in feet below land-surface datum, 1944: Mar. 14, 34.41; June 3, 33.50; Sept. 8, 33.70; Dec. 26, 33.54.

2 (*908, p. 151; 938, p. 123; 946, p. 146; *988, p. 134). C. L. Whitley. SW. corner sec. 20, T. 20 S., R. 22 W. Water levels, in feet below land-surface datum, 1944: June 3, 24.75; Sept. 8, 24.08; Dec. 28, 23.22.

Pawnee County

By T. G. McLaughlin

In 1944 an investigation of the geology and ground-water resources of the county was begun and measurements were started in 3 additional wells.

Periodic measurements of water levels have been made in three observation wells in Pawnee County since 1940.

Highest and lowest recorded water levels in 3 wells in Pawnee County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
6	4	21.45	Nov. 15, 1944	24.02	Nov. 28, 1940
7	4	25.14	June 3, 1944	27.63	Dec. 20, 1943
8	4	13.42	Apr. 22, 1943	18.32	Sept.20, 1940

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 3 wells in Pawnee County

Well	Difference between highest and lowest levels	Net rise in 1944 [a]	Net rise for period of record
6	2.57	1.04	2.12
7	2.49	1.78	1.66
8	4.90	.86	3.78

a Between last measurement in 1943 and last measurement in 1944.

5. Townsite. NW¼NW¼ sec. 21, T. 20 S., R. 17 W. Unused drilled domestic well, diameter 6 inches, depth 61 feet. Measuring point, top of 6-inch galvanized-iron casing, east side, 0.5 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: July 18, 45.48; Oct. 11, 45.49; Nov. 15, 45.37; Dec. 21, 45.34.

6 (*908, p. 151; 938, p. 129; 946, p. 146; *988, p. 134). Frank Elmore. SW. corner sec. 27, T. 21 S., R. 19 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Mar. 14	22.48	July 24	21.63	Nov. 15	21.45
June 3	21.68	Oct. 10	21.43	Dec. 21	21.47

7 (*908, p. 151; 938, p. 129; 946, p. 147; *988, p. 134). Ralph Lupfer. NE¼NE¼ sec. 18, T. 22 S., R. 17 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	27.58	Apr. 6	27.54	Aug. 8	25.97	Nov. 15	25.72
Feb. 24	27.52	May 11	25.87	16	26.09	Dec. 21	25.84
Mar. 14	27.56	June 3	25.14	Oct. 10	25.52		

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8 (*908, p. 151; 938, p. 129; 946, p. 147; *988, p. 134). F. B. Reed. NW¼NW¼ sec. 6, T. 22 S., R. 16 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	14.73	Apr. 6	14.52	Aug. 16	14.28	Nov. 15	14.01
Feb. 24	14.58	May 11	14.24	Oct. 10	14.35	Dec. 21	14.01
Mar. 14	14.69	June 3	13.81				

10. Townsite. NE¼NW¼ sec. 16, T. 23 S., R. 16 W. Unused drilled domestic well, diameter 5 inches, depth 20.4 feet. Measuring point, top of 5-inch galvanized-iron casing, west side, 0.5 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: July 19, 10.29; Oct. 24, 9.66; Nov. 15, 9.77; Dec. 21, 9.42.

14. B. Unruh. NW¼SW¼ sec. 29, T. 21 S., R. 15 W. Unused driven domestic and stock well, diameter 1.5 inches, depth 29.8 feet. Measuring point, top of 1.3-foot hole in concrete pump base, west side, 0.7 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: July 21, 17.72; Oct. 24, 17.53; Nov. 15, 17.55; Dec. 21, 17.52.

Republic County

By V. C. Fishel

Highest and lowest recorded water levels in 8 wells in Republic County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
40	3	33.00	Dec. 25, 1944	35.46	Sept. 6, 1942
95	3	44.99	June 11, 1942	45.50	Oct. 27, 1942
158	3	13.37	Nov. 25, 1944	15.97	Feb. 25, 1943
172	3	.90	June 12, 1943	7.98	Oct. 31, 1943 Nov. 5, 1943
188	3	12.50	June 25, 1944	18.40	Nov. 25, 1943
202	3	33.50	Aug. 3, 1943	35.75	Aug. 29, 1943
209	3	30.35	June 14, 1944	33.74	Jan. 31, 1944
230	3	4.78	Sept.25, 1942	9.25	Dec. 26, 1943

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 8 wells in Republic County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 [a]	Net rise (+) or net decline (-) for period of record
40	2.46	+1.20	+2.46
95	.51	-.04	-.37
158	2.60	+1.72	+1.19
172	7.08	-.94	-2.33
188	5.90	+.95	+1.67
202	2.25	+.48	+.55
209	3.39	+2.86	+2.79
230	4.47	+1.14	-1.66

a Between last measurement in 1943 and last measurement in 1944.

40 (*946, p. 148; *988, p. 135). City of Republic. SW¼NW¼ sec. 31, T. 1 S., R. 4 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	34.60	Apr. 23	33.90	July 24	34.30	Oct. 24	34.00
Feb. 25	34.00	May 23	34.20	Aug. 23	34.00	Nov. 23	34.20
Mar. 25	34.00	June 24	34.30	Sept.23	33.90	Dec. 23	33.00

95 (*946, p. 148; *988, p. 135). H. E. Nixon. SW¼NW¼ sec. 14, T. 2 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 22	45.20	June 2	45.20	July 19	45.36	Aug. 30	45.23
Apr. 26	45.26	July 5	45.36	30	45.23	Oct. 31	45.36

158 (*946, p. 148; *988, p. 136). A. J. Dickerman. SE¼SE¼ sec. 1, T. 3 S., R. 4 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	15.37	Apr. 25	14.40	July 25	13.20	Oct. 25	14.57
Feb. 25	15.26	May 25	13.74	Aug. 25	13.45	Nov. 25	13.37
Mar. 25	15.21	June 25	13.43	Sept.25	13.57	Dec. 25	13.70

172 (*946, p. 148; *988, p. 136). City of Scandia. SW¼NE¼ sec. 17, T. 3 S., R. 4 W.

Lowest daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.38	6.96	6.57	6.61	4.73	5.52	5.34	5.00	4.34	6.66	6.90	6.70
2	7.37	6.92	6.55	6.60	4.18	5.50	5.14	5.18	4.84	6.67	6.89	6.74
3	7.35	6.91	6.56	6.60	3.84	5.15	5.42	5.24	5.00	6.67	6.90	6.76
4	7.34	6.91	6.58	6.60	3.65	5.80	5.65	4.85	5.40	6.67	6.90	6.76
5	7.32	6.94	6.60	6.62	4.01	5.00	5.75	4.83	5.54	6.69	6.90	6.74
6	7.31	7.00	6.61	6.64	4.32	5.05	5.75	4.90	5.69	6.72	6.90	6.73
7	7.30	7.01	6.63	6.64	4.84	5.23	5.25	5.30	5.83	6.73	6.89	6.72
8	7.30	7.03	6.65	6.65	5.00	5.41	5.15	5.48	5.95	6.75	6.87	6.70
9	7.30	7.03	6.66	6.66	5.18	5.47	5.05	5.65	6.04	6.76	6.88	6.68
10	7.30	7.05	6.68	6.66	5.31	4.71	5.07	5.81	6.16	6.78	6.88	6.66
11	7.29	7.08	6.67	6.64	5.35	4.54	5.22	5.90	6.10	6.80	6.88	6.63
12	7.29	7.09	6.64	6.64	5.36	4.56	5.33	5.96	6.11	6.81	6.86	6.60
13	7.28	7.10	6.67	6.63	5.30	4.40	5.39	6.16	6.12	6.82	6.86	6.63
14	7.27	7.10	6.69	6.61	5.26	4.59	5.20	6.26	6.13	6.83	6.84	6.63
15	7.26	7.12	6.71	6.59	5.43	4.04	5.07	6.34	6.13	6.85	6.85	6.56
16	7.25	7.13	6.71	6.57	5.51	4.39	5.00	6.38	6.14	6.86	6.86	6.53
17	7.25	7.13	6.72	6.53	5.64	4.63	4.70	6.40	6.15	6.86	6.86	6.53
18	7.25	7.13	6.76	6.41	5.77	4.71	4.49	6.47	6.26	6.87	6.86	6.55
19	7.25	7.13	6.77	6.27	5.81	4.74	4.22	6.54	6.21	6.87	6.84	6.57
20	7.24	7.13	6.77	6.21	5.92	4.84	4.08	6.54	5.73	6.88	6.82	6.58
21	7.24	7.13	6.79	6.16	6.00	5.14	4.00	6.46	5.93	6.89	6.82	6.58
22	7.21	7.14	6.79	6.10	6.04	5.25	3.89	6.48	6.09	6.90	6.82	6.58
23	7.20	7.13	6.76	6.02	6.08	5.22	3.90	6.42	6.21	6.90	6.82	6.61
24	7.20	7.09	6.75	5.91	6.12	5.43	4.05	5.82	6.40	6.90	6.81	6.65
25	7.19	7.04	6.72	4.85	6.13	5.50	3.70	5.41	6.45	6.90	6.80	6.72
26	7.17	6.99	6.72	4.45	6.13	5.77	3.87	5.16	6.51	6.90	6.74	6.74
27	7.15	6.92	6.71	4.58	6.01	5.92	4.05	3.60	6.54	6.90	6.73	6.73
28	7.12	6.80	6.71	4.60	5.92	5.93	4.32	4.43	6.58	6.90	6.69	6.65
29	7.11	6.64	6.71	4.74	5.74	5.66	4.50	4.74	6.60	6.90	6.67	6.55
30	7.07	....	6.69	4.79	5.53	5.32	4.59	4.51	6.63	6.90	6.66	6.48
31	7.01	....	6.64	....	5.53	....	4.82	3.85	....	6.90	....	6.45

188 (*946, p. 149; *988, p. 136). City of Courtland. SW¼SW¼ sec. 16, T. 3 S., R. 5 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	17.60	Mar. 31	16.60	May 25	12.80	Dec. 26	16.65
Feb. 25	17.50	Apr. 25	13.95	June 25	12.50		

202 (*946, p. 149; *988, p. 136). C. E. Erickson. SE¼NW¼ sec. 36, T. 4 S., R. 5 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	34.62	Apr. 30	34.30	July 26	34.20	Nov. 26	34.10
Feb. 27	34.60	May 27	34.30	Sept.26	34.70	Dec. 26	34.00
Mar. 27	33.56	June 25	34.50				

209 (*946, p. 149; *988, p. 137). Glenn B. Snapp. SE¼NE¼ sec. 1, T. 4 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	33.60	Apr. 26	32.20	July 14	31.02	Sept.30	30.98
31	33.74	May 19	30.70	25	31.18	Oct. 25	31.30
Feb. 4	33.25	30	30.55	Aug. 8	31.65	Dec. 29	30.53
Apr. 9	32.80	June 14	30.35	Sept.10	30.70		

230 (*946, p. 149; *988, p. 137). Lloyd Blosser. NE¼SW¼ sec. 21, T. 4 S., R. 4 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	8.90	Apr. 25	7.60	July 29	6.95	Oct. 25	7.99
Mar. 4	8.92	May 29	6.92	Aug. 26	7.40	Nov. 26	8.11
29	8.75	June 25	6.94	Sept.29	7.60	Dec. 28	8.11

Russell County

By Betty Ball

Highest and lowest recorded water levels in 12 wells in Russell County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
8	3	93.90	Oct. 3, 1941	130.62	June 10, 1944
45	3	18.9	Apr. 14, 1942	24.28	Aug. 20, 1941
80	3	3.4	Apr. 14, 1942	7.76	June 29, 1943
81	3	101.85	Aug. 29, 1941	134.35	June 29, 1943
95	3	5.83	Sept. 7, 1944	11.38	Dec. 20, 1943
117	3	4.7	Apr. 13, 1942	10.61	Dec. 20, 1943
126	3	32.0	Feb. 4, 1942	38.02	Jan. 13, 1943
146	3	14.59	Apr. 8, 1943	16.20	Sept. 1, 1942
148	3	3.81	Apr. 8, 1943	7.92	Oct. 2, 1941
149	3	18.94	Dec. 20, 1944	21.54	June 29, 1943
151[a]	2.5	132.89	Sept. 1, 1942	173.98	Feb. 4, 1942
152	3	13.89	June 10, 1944	26.45	Sept.22, 1941

a Measurements discontinued after Mar. 16, 1944.

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 12 wells in Russell County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 a/	Net rise (+) or net decline (-) for period of record
8	36.72	+1.55	-22.18
45	5.38	+4.26	+5.04
80	4.36	+4.14	+.09
81	32.50	+3.09	-29.41
95	5.55	+4.85	+2.75
117	5.91	+4.30	+.27
126	6.02	-1.98	-1.60
146	1.61	+.42	+.05
148	4.11	(b)	+2.11
149	2.60	+1.90	+1.92
151	41.09	(b)	+106.66
152	12.56	+4.64	+10.04

a Between last measurement in 1943 and last measurement in 1944.
b Measurements incomplete in 1944.

8 (*938, p. 130; 946, p. 150; *988, p. 138). F. C. and A. Ptacek. NW¼NW¼ sec. 16, T. 15 S., R. 12 W. Water levels, in feet below land-surface datum, 1944: June 10, 130.62; Sept. 7, 113.95; Dec. 20, 118.88.

45 (*938, p. 130; 946, p. 151; *988, p. 138). Jacob Flogler. NW¼NW¼ sec. 11, T. 15 S., R. 14 W. Water levels, in feet below land-surface datum, 1944: Mar. 16, 22.97; June 10, 19.70; Sept. 7, 19.08; Dec. 20, 19.24.

80 (*938, p. 130; 946, p. 151; *988, p. 138). Joseph Furthmyer, Jr. SE¼SE¼ sec. 9, T. 14 S., R. 15 W. Water levels, in feet below land-surface datum, 1944: June 10, 4.37; Sept. 7, 3.61; Dec. 20, 3.62.

81 (*938, p. 130; 946, p. 151; *988, p. 138). Joseph Furthmyer, Jr. SE¼SE¼ sec. 9, T. 14 S., R. 15 W. Water levels, in feet below land-surface datum, 1944: June 10, 129.61; Sept. 7, 124.42; Dec. 20, 131.26.

95 (*938, p. 131; 946, p. 151; *988, p. 138). George J. Gobleman. SW¼NE¼ sec. 28, T. 11 S., R. 15 W. Water levels, in feet below land-surface datum, 1944: June 10, 7.42; Sept. 7, 5.83; Dec. 20, 6.53.

116 (*938, p. 131; 946, p. 151; *988, p. 138). George P. Bender. NW¼NW¼ sec. 16, T. 13 S., R. 14 W. Measurements discontinued after June 28, 1943.

117 (*938, p. 131; 946, p. 152; *988, p. 138). Marie Dutt and others. SE¼NE¼ sec. 18, T. 13 S., R. 14 W. Water levels, in feet below land-surface datum, 1944: June 10, 6.84; Sept. 7, 5.81; Dec. 20, 6.31.

126 (*938, p. 131; 946, p. 152; *988, p. 138). Bertha Dewald. NW¼SW¼ sec. 19, T. 13 S., R. 13 W. Water levels, in feet below land-surface datum, 1944: Mar. 16, 33.42; June 10, 32.34; Sept. 7, 32.99; Dec. 20, 36.72.

146 (*938, p. 131; 946, p. 152; *988, p. 138). D. P. Steinle. NW¼NE¼ sec. 24, T. 14 S., R. 12 W. Water levels, in feet below land-surface datun, 1944: Mar. 16, 16.18; June 10, 15.79; Sept. 7, 15.69; Dec. 20, 15.75.

148 (*938, p. 131; 946, p. 152; *988, p. 138). John Penex. NE¼SE¼ sec. 13, T. 14 S., R. 13 W. Water levels, in feet below land-surface datum, 1944: June 10, 5.22; Sept. 7, 5.77.

149 (*938, p. 131; 946, p. 152; *988, p. 138). George Boxberger, Jr. NE¼NE¼ sec. 22, T. 14 S., R. 14 W. Water levels, in feet below land-surface datum, 1944: Mar. 16, 21.14; June 10, 19.91; Sept. 7, 19.99; Dec. 20, 18.94.

151 (*938, p. 131; 946, p. 152; *988, p. 138). D. D. Beisel. SW¼SE¼ sec. 10, T. 14 S., R. 12 W. Water levels, in feet below land-surface datum, 1944: Mar. 16, 170.08. Measurements discontinued after Mar. 16, 1944.

152 (*938, p. 132; 946, p. 152; *988, p. 138). D. D. Beisel. SW¼SE¼ sec. 10, T. 14 S., R. 12 W. Water levels, in feet below land-surface datum, 1944: Mar. 16, 21.14; June 10, 13.89; Sept. 9, 14.86; Dec. 20, 16.41.

Scott County

By Betty Ball

Highest and lowest recorded water levels in 10 wells in Scott County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1[a]	13	55.89	May 14,16,1934	66.26	Oct. 16, 1943
1A	4	53.42	Aug.16,18,1940	56.20	Feb.7-9,11,12, 14-16, 1944
2[b]	11	30.95	Apr. 25, 1939	37.23	Dec.20-22,1943 Jan.6-8, 1944
3	5	67.94	May 30, 1934	76.14	Sept.16, 1943
9	5	47.77	Sept. 8, 1939	52.70	Oct. 21, 1943
19	5	45.38	Apr. 18, 1940	49.52	Sept.16, 1943
32	5	37.79	Apr.20-22,1939	42.39	Jan. 22, 1944

a Measurements discontinued after May 1944.
b Measurements discontinued after August 1944.

Highest and lowest recorded water levels, in 10 wells in Scott County, in feet below land-surface datum--Continued

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
39	5	68.47	Sept. 5, 1944 Nov. 28, 1944	68.76	Apr. 16, 1943
48	5	30.12	Aug. 10, 1944	31.52	Apr. 24, 1944
50	5	97.02	Nov. 28, 1944	97.95	Aug. 6, 1943

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 10 wells in Scott County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 a/	Net rise (+) or net decline (-) for period of record
1	10.37	(b)	-6.58
1A	2.78	0.00	-6.70
2	6.28	(b)	-1.63
3	8.20	+.68	-1.73
9	4.93	+.56	-4.03
19	4.14	-.20	-.63
32	4.60	+.36	-1.90
39	.29	+.07	+.02
48	1.40	+.79	+.27
50	.93	+.36	+.71

a Between last measurement in 1943 and last measurement in 1944.
b Record incomplete in 1944.

1 (*886, p. 187; 908, p. 157; 938, p. 133; 946, p. 154; *988, p. 139). Mrs. Rosine Smith. NW. corner sec. 9, T. 20 S., R. 33 W. Measurements discontinued in May 1944.

Mean daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	Day	Jan.	Feb.	Mar.	Apr.	May
1	63.11	63.07	63.06	63.09	62.86	16	63.11	.....	63.06	62.99	62.81
2	63.10	63.07	63.05	63.11	62.85	17	63.10	.....	63.06	62.96	62.81
3	63.10	63.09	63.05	63.09	62.87	18	63.10	.....	63.07	62.98	62.81
4	63.10	63.06	63.07	63.06	62.88	19	63.10	.....	63.07	62.94	62.81
5	63.11	63.07	63.03	63.06	62.85	20	63.10	.....	63.07	62.92	62.81
6	63.08	63.07	63.10	63.03	62.84	21	63.10	63.02	63.07	62.92	62.80
7	63.13	63.06	63.10	63.04	63.84	22	63.09	63.05	63.10	62.90	62.80
8	63.11	63.06	63.09	63.02	62.85	23	63.07	63.03	63.08	62.87	62.81
9	63.09	63.06	63.08	63.02	62.84	24	63.06	63.03	63.07	62.91	62.81
10	63.10	63.06	63.06	63.00	62.84	25	63.09	63.03	63.09	62.88	62.88
11	63.12	63.11	63.07	63.02	62.83	26	63.09	63.08	63.08	62.90	.....
12	63.13	.....	63.08	63.01	62.84	27	63.09	63.09	63.09	62.92	.....
13	63.11	.....	63.05	62.98	62.84	28	63.11	63.08	63.10	62.90	.....
14	63.10	.....	63.07	62.97	62.83	29	63.09	63.07	63.09	62.84	.....
15	63.10	.....	63.08	63.00	62.82	30	63.09	.....	63.09	62.86	.....
						31	63.09	.....	63.08	.....	.....

1A (*908, p. 157; 938, p. 134; 946, p. 155; *988, p. 140). Kansas State Board of Agriculture, Division of Water Resources. NW¼SW¼ sec. 3, T. 20 S., R. 33 W.

Mean daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.16	56.18	56.18	56.09	56.12	55.96	55.98	55.82	55.85	56.06	56.10	56.09
2	56.16	56.18	56.17	56.10	56.12	55.96	55.98	55.82	55.88	56.06	56.10	56.08
3	56.17	56.18	56.18	56.10	56.11	55.95	55.97	55.82	55.90	56.07	56.10	56.08
4	56.17	56.18	56.18	56.11	56.11	55.96	55.97	55.81	55.93	56.07	56.10	56.08
5	56.17	56.19	56.17	56.10	56.10	55.95	55.97	55.80	55.94	56.08	56.10	56.08
6	56.17	56.19	56.17	56.10	56.10	55.95	55.96	55.80	55.95	56.08	56.10	56.06
7	56.17	56.20	56.17	56.10	56.09	55.93	55.96	55.79	55.96	56.08	56.10	56.06
8	56.17	56.20	56.17	56.10	56.08	55.93	55.96	55.79	55.97	56.08	56.10	56.06
9	56.17	56.20	56.17	56.11	56.08	55.93	55.95	55.78	55.98	56.08	56.10	56.06
10	56.17	56.19	56.16	56.11	56.08	55.93	55.95	55.78	55.99	56.09	56.10	56.06
11	56.17	56.20	56.16	56.12	56.07	56.92	55.94	55.78	55.99	56.09	56.10	56.06

1A. Kansas State Board of Agriculture, Division of Water Resources--Continued.

Mean daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
12	56.18	56.20	56.16	56.12	56.07	56.91	55.93	55.77	56.00	56.09	56.10	56.06
13	56.18	56.19	56.15	56.12	56.06	55.90	55.93	55.76	56.00	56.09	56.10	56.06
14	56.18	56.20	56.15	56.12	56.05	55.89	55.93	55.76	56.01	56.09	56.11	56.06
15	56.18	56.20	56.15	56.13	56.05	55.89	55.92	55.76	56.01	56.10	56.11	56.06
16	56.19	56.20	56.14	56.13	56.04	55.88	55.90	55.74	56.02	56.10	56.12	56.06
17	56.19	56.19	56.14	56.13	56.02	55.88	55.91	55.74	56.02	56.10	56.12	56.06
18	56.19	56.19	56.14	56.14	56.03	55.88	55.90	55.74	56.03	56.11	56.12	56.06
19	56.19	56.19	56.11	56.13	56.03	55.88	55.90	55.74	56.03	56.11	56.12	56.06
20	56.19	56.19	56.11	56.14	56.03	55.87	55.89	55.74	56.04	56.11	56.12	56.07
21	56.19	56.18	56.09	56.14	56.00	55.87	55.89	55.74	56.05	56.11	56.12	56.07
22	56.19	56.19	56.10	56.14	56.00	55.88	55.88	55.74	56.05	56.11	56.11	56.08
23	56.19	56.19	56.09	56.14	55.99	55.89	55.88	55.74	56.05	56.11	56.11	56.09
24	56.19	56.19	56.09	56.15	55.98	55.90	55.88	55.74	56.05	56.11	56.11	56.11
25	56.18	56.19	56.09	56.15	55.98	55.91	55.86	55.74	56.05	56.11	56.11	56.12
26	56.17	56.19	56.09	56.16	55.97	55.92	55.85	55.75	56.05	56.10	56.11	56.13
27	56.17	56.19	56.09	56.15	55.93	55.94	55.85	55.75	56.05	56.10	56.10	56.14
28	56.17	56.18	56.09	56.14	55.96	55.96	55.84	55.77	56.05	56.10	56.10	56.14
29	56.18	56.18	56.09	56.13	55.96	55.96	55.84	55.78	56.05	56.10	56.10	56.15
30	56.18	.....	56.09	56.14	55.96	55.97	55.84	55.81	56.06	56.10	56.10	56.16
31	56.18	.....	56.09	.....	55.96	.....	55.83	55.83	.....	56.10	.....	.....

2 (*886, p. 191; 908, p. 158; 938, p. 134; 946, p. 155; 988, p. 140). E. E. Coffin. NE¼SE¼ sec. 25, T. 18 S., R. 33 W. Measurements discontinued in August 1944.

Mean daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1	.....	37.14	37.02	36.89	36.72	.....	36.26	36.05
2	.....	37.13	37.01	36.88	36.72	.....	36.25	36.04
3	.....	37.13	37.01	36.88	36.71	.....	36.25	36.03
4	.....	37.12	37.01	36.87	36.71	.....	36.26	36.02
5	.....	37.12	37.00	36.87	36.70	.....	36.25	36.02
6	37.23	37.11	37.00	36.86	36.70	.....	36.24	36.00
7	37.23	37.11	37.00	36.86	36.69	36.47	36.24	35.98
8	37.23	37.10	36.99	36.85	36.69	36.45	36.24	35.96
9	37.22	37.10	36.99	36.85	36.68	36.45	36.22	35.94
10	37.22	37.10	36.98	36.84	36.68	36.43	36.22	35.93
11	37.21	37.09	36.98	36.83	36.67	36.41	36.21	35.93
12	37.21	37.09	36.98	36.83	36.67	36.40	36.20	35.93
13	37.20	37.09	36.97	36.82	36.66	36.39	36.19	35.92
14	37.20	37.08	36.97	36.82	36.66	36.39	36.18	35.92
15	37.20	37.08	36.96	36.81	36.65	36.38	36.17	35.92
16	37.19	37.08	36.96	36.81	36.65	36.37	36.17	35.91
17	37.19	37.07	36.95	36.80	36.64	36.34	36.17	35.93
18	37.19	37.07	36.95	36.80	36.64	36.34	36.16	35.93
19	37.18	37.06	36.94	36.79	36.63	36.34	36.15	35.95
20	37.18	37.06	36.94	36.79	36.63	36.32	36.15	35.98
21	37.18	37.05	36.93	36.78	36.62	36.31	36.14	36.01
22	37.17	37.05	36.93	36.78	36.62	36.30	36.13	36.06
23	37.17	37.05	36.92	36.77	36.61	36.30	36.12	36.08
24	37.17	37.04	36.92	36.76	36.60	36.29	36.12	36.11
25	37.16	37.04	36.91	36.76	36.59	36.28	36.10	36.12
26	37.16	37.04	36.91	36.75	.....	36.27	36.10	.....
27	37.16	37.03	36.90	36.74	.....	36.26	36.09	.....
28	37.15	37.03	36.90	36.74	.....	36.27	36.08	.....
29	37.15	37.02	36.89	36.73	.....	36.26	36.07	.....
30	37.15	.....	36.89	36.73	.....	36.26	36.06	.....
31	37.14	.....	.....	.....	.....	.....	36.05	.....

2A. Kansas State Board of Agriculture, Division of Water Resources. NE¼SE¼ sec. 26, T. 18 S., R. 33 W. Drilled observation well, diameter 8 inches, depth 60 feet. Measuring point, top of casing at south side, 0.3 foot above concrete foundation which is at land-surface datum. Automatic water-stage recorder maintained on well since August 1944.

2A. Kansas State Board of Agriculture, Division of Water Resources--Continued.

Mean daily water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 10	31.58	Sept.18	32.53	Oct. 22	32.72	Dec. 18	32.28
26	32.05	19	32.53	23	32.72	19	32.27
Sept. 5	32.63	20	32.52	24	32.72	20	32.26
6	32.63	21	32.52	25	32.72	21	32.27
7	32.63	22	32.50	26	32.74	22	32.24
8	32.62	23	32.48	27	32.79	23	32.25
9	32.60	Oct. 13	32.51	28	32.79	24	32.23
10	32.59	14	32.54	29	32.79	25	32.25
11	32.59	15	32.55	30	32.77	26	32.23
12	32.59	16	32.60	31	32.77	27	32.23
13	32.58	17	32.64	Nov. 1	32.74	28	32.21
14	32.57	18	32.67	2	32.74	29	32.20
15	32.55	19	32.69	29	32.48	30	32.20
16	32.55	20	32.69	Dec. 12	32.38	31	32.21
17	32.54	21	32.73				

3 (*886, p. 194; 908, p. 158; 938, p. 135; 946, p. 156, *988, p.141). Claude Hughes. SW¼SW¼ sec. 21, T. 18 S., R. 33 W.

Water level, in feet below land-surface datum, 1944

Jan. 22	70.68	Apr. 25	70.31	July 19	69.86	Nov. 29	70.34
Feb. 22	70.53	May 25	69.99	Sept. 5	72.22	Dec. 11	70.17
Mar. 18	70.53	June 13	69.88	Oct. 19	70.54		

9 (*886, p. 195; 908, p. 159; 938, p. 135; 946, p. 156; *988, p. 141). Mrs. Rosine Smith. SW¼SW¼ sec. 35, T. 19 S., R. 33 W.

Water level, in feet below land-surface datum, 1944

Jan. 22	52.24	Apr. 25	51.98	July 19	51.87	Oct. 19	51.96
Feb. 22	52.14	May 25	51.92	Aug. 10	51.73	Nov. 29	51.84
Mar. 31	52.13	June 13	51.90	Sept. 5	51.93	Dec. 11	51.80

19 (*886, p. 195; 908, p. 160; 938, p. 136; 946, p. 156; *988, p. 141). J. Dyer. SE¼NE¼ sec. 12, T. 18 S., R. 33 W.

Water level, in feet below land-surface datum, 1944

Jan. 22	48.23	Apr. 24	47.83	Aug. 10	47.10	Nov. 28	47.84
Feb. 22	48.12	June 13	47.56	Oct. 19	47.99	Dec. 11	47.72
Mar. 18	48.03	July 19	47.41				

32 (*886, p. 196; 908, p. 160; 938, p. 136; 946, p. 157; *988, p. 141). E. J. Roark. NW¼SE¼ sec. 25, T. 19 S., R. 33 W.

Water level, in feet below land-surface datum, 1944

Jan. 22	42.39	Apr. 25	42.19	July 19	41.65	Oct. 19	42.09
Feb. 22	42.34	May 25	42.05	Aug. 10	41.58	Nov. 28	41.91
Mar. 30	42.47	June 13	41.85	Sept. 5	42.03	Dec. 11	41.88

39 (*886, p. 197; 908, p. 162; 938, p. 138; 946, p. 157; *988, p.142). Henry F. Poos Estate. NE¼NE¼ sec. 26, T. 18 S., R. 31 W.

Water level, in feet below land-surface datum, 1944

Jan. 22	68.60	Apr. 25	68.62	July 19	68.49	Oct. 19	68.51
Feb. 22	68.61	May 25	68.60	Aug. 10	68.54	Nov. 28	68.47
Mar. 30	68.62	June 13	68.48	Sept. 5	68.47	Dec. 11	68.51

48 (*886, p. 198; 908, p. 162; 938, p. 138; 946, p. 158; *988, p.142). P. Roark. NE¼NE¼ sec. 25, T. 20 S., R. 33 W.

Water level, in feet below land-surface datum, 1944

Jan. 22	31.14	Apr. 24	31.52	Aug. 10	30.12	Nov. 28	30.26
Feb. 23	31.42	May 24	31.34	Sept. 5	30.14	Dec. 11	30.25
Mar. 31	31.24	July 19	30.20	Oct. 19	30.76		

50 (*886, p. 198; 908, p. 163; 938, p. 138; 946, p. 158; *988, p. 142). F. M. Houston. SW¼SE¼ sec. 28, T. 19 S., R. 32 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	97.49	Apr. 25	97.52	July 19	97.37	Oct. 19	97.14
Feb. 22	97.48	May 25	97.39	Aug. 10	97.27	Nov. 28	97.02
Mar. 31	97.55	June 13	97.44	Sept. 5	97.20	Dec. 11	97.03

Sedgwick County

By C. C. Williams

Highest and lowest recorded water levels in 32 wells in Sedgwick County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
11	7	55.84	Sept.30, 1944	60.34	July 4, 1938
12	7	11.06	May 7,8, 1944	18.99	Apr. 1,2,8,9, 11, 12, 1938
26	7	6.05	May 7, 1944	a 23.18	Jan. 29, 1940
28	7	10.99	July 8, 1944	19.08	Feb. 1, 1938
307	7	9.80	June 15, 1940	a 14.17	Mar. 12, 13, 14, 1944
502	2	12.49	Mar. 20, 1944	b 24.56	Oct. 12, 1943
800	6	7.27	Apr. 29, 1944	19.69	Apr. 3, 1940
802	6	1.96	Mar. 11, 1942	7.64	Oct. 8, 1943
804	6	.63	May 8, 1944	4.70	Oct. 8, 1943
805	6	1.83	Dec. 5, 1944	5.68	Dec. 3, 1940
806	6	14.75	June 3, 1944	17.61	Nov. 5, 1940
807	6	19.45	May 8, 1944	23.04	Jan. 2, 1941
808	6	20.04	Nov. 2, 1938	23.47	Mar. 4, 1941
809	6	6.77	Apr. 29, 1944	14.68	Jan. 2, 1941
810	6	1.94	Apr. 28, 1944	13.38	Aug. 30, 1940
811	6	3.69	May 6, 1944	8.96	Nov. 22, 1940
812	6	7.05	May 6, 1944	12.62	Jan. 10, 1941
814	6	10.27	June 3, 1944	17.11	Dec. 3, 1940 Jan.2, Feb.3, Mar.4, May 1, 1941
815	6	8.19	May 19, 1944	14.04	Jan. 24, 1941 Jan. 31 1941
816	6	6.66	May 6, 1944	12.51	Jan. 24, 1941 Jan. 31 1941
825	6	6.78	Apr. 29, 1944	14.53	Nov. 5, 1940
826	6	2.12	May 6, 1944	13.01	Nov. 5, 1940
830	6	24.12	Sept. 9, 1938	28.62	Oct. 3, 1940
834	6	5.87	May 8, 1944	11.70	Oct. 3, 1940
838	6	21.58	June 3, 1944	26.91	Nov. 5, 1940
840	6	1.15	Apr. 28, 1944	7.75	Nov. 22, 1940
842	6	2.53	May 8, 1944	7.27	Nov. 5, 1940
845	6	8.20	May 8, 1944	15.95	Apr. 3, 1940
846	6	11.35	May 8, 1944	17.35	Apr. 3, 1940
847	6	10.35	May 8, 1944	17.59	Apr. 3, 1940 May 1, 1941
870	6	3.60	May 8, 1944	8.30	Nov. 5, 1940
2089	2	9.91	May 8, 1944	15.59	Sept. 8, 1943

a Affected by pumping in nearby well field.
b Well pumping.

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 32 wells in Sedgwick County

Well	Difference between highest and lowest levels	Net rise in 1944 a/	Net rise (+) or net decline (-) for period of record
11	4.50	0.02	+3.05
12	7.93	2.11	+3.61
26	17.13	.86	+5.44
28	8.09	1.55	+4.63
307	4.37	2.08	+.94
502	12.07	.62	-8.01
800	12.42	3.24	+6.16
802	5.68	1.29	-1.53
804	4.07	3.33	+1.21
805	3.85	2.73	+1.28
806	2.86	1.03	+1.50
807	3.59	1.16	+1.21
808	3.43	.79	+2.55
809	7.91	2.61	+2.47
810	11.44	2.41	+.66
811	5.27	1.36	+1.24
812	5.57	2.46	+2.48
814	6.84	1.98	+4.38
815	5.85	2.75	+3.51
816	5.85	2.74	+2.95
825	7.75	1.00	+3.67
826	10.89	2.23	+1.29
830	4.50	1.98	+2.30
834	5.83	2.34	+2.21
838	5.33	2.21	+2.40
840	6.60	3.66	+7.04
842	4.74	2.17	+1.63
845	7.15	.77	+1.44
846	6.00	.21	-.18
847	7.04	1.65	+1.04
870	4.70	1.88	+.67
2089	5.68	.75	-2.21

a Between last measurement in 1943 and last measurement in 1944.

11 (*840, p. 105; 845, p. 126; 886, p. 217; 908, p. 165; 938, p. 140; 946, p. 160; *988, p. 144). J. H. Heim. SE. corner sec. 22, T. 26 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	56.19	Mar. 30	56.44	July 5	57.64	Sept.30	55.84
31	56.34	May 8	56.39	Aug. 8	56.10	Nov. 4	56.03
Mar. 1	56.43	June 3	56.11	30	56.44	Dec. 5	56.19

12 (*840, p. 105; 845, p. 126; 886, p. 217; 908, p. 165; 938, p. 140; 946, p. 160; *988, p. 144). Dr. A. D. Updegraph. NW¼SE¼ sec. 26, T. 25 S., R. 1 W.

Lowest daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	16.98	17.13	16.37	12.64	12.48	13.60	.....	14.59	15.16	15.31	15.66
2	.....	16.96	17.12	16.38	12.41	12.50	13.63	13.84	14.63	15.15	15.34	15.67
3	.....	16.98	17.10	16.36	12.24	12.56	13.67	13.88	14.65	15.14	15.37	15.68
4	.....	16.98	17.14	16.34	12.04	12.65	13.70	13.89	14.67	15.10	15.38	15.68
5	.....	17.00	17.13	16.34	11.73	12.73	13.73	13.94	14.69	15.07	15.38	15.66
6	.....	17.00	17.14	16.31	11.28	12.76	13.75	13.96	14.72	15.07	15.39	15.49
7	16.94	16.99	17.14	16.31	11.06	12.76	13.79	13.99	14.73	15.08	15.40	15.36
8	16.94	17.01	17.14	16.30	11.06	12.83	13.84	14.01	14.73	15.06	15.41	15.20
9	16.93	17.02	17.15	16.30	11.09	12.86	13.85	14.03	14.74	15.04	15.43	15.22
10	16.94	17.03	17.11	16.28	11.16	12.91	13.86	14.05	14.78	15.05	15.43	15.29
11	16.96	17.04	17.12	16.20	11.23	12.93	13.85	14.08	14.80	15.04	15.44	15.35
12	16.97	17.04	17.14	16.12	11.28	12.97	13.85	14.11	14.82	15.03	15.44	15.40

12. Dr. A. D. Updegraph--Continued.

Lowest daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	16.97	17.03	17.12	15.96	11.37	13.01	13.72	14.14	14.84	15.03	15.45	14.99
14	16.95	17.04	17.13	15.73	11.36	13.05	13.53	14.17	14.85	15.07	15.47	14.96
15	16.97	17.05	17.13	15.67	11.37	13.08	13.49	14.21	14.86	15.10	15.50	14.92
16	16.99	17.04	17.11	15.59	11.44	13.12	13.43	14.24	14.89	15.11	15.52	14.92
17	17.00	17.06	17.01	15.51	11.55	.....	13.40	14.28	14.91	15.11	15.54	14.90
18	17.00	17.07	16.96	15.45	11.66	.....	13.42	14.30	14.93	15.12	15.55	14.90
19	17.00	17.08	16.91	15.40	11.71	.....	13.43	14.33	14.95	15.14	15.56	14.89
20	17.00	17.06	16.87	15.35	11.85	.....	13.45	14.36	14.98	15.15	15.58	14.87
21	17.00	17.07	16.84	15.29	11.91	.....	13.49	14.39	15.01	15.18	15.59	14.91
22	16.98	17.08	16.78	15.21	12.00	.....	13.50	14.41	15.01	15.19	15.57	14.87
23	16.98	17.08	16.71	14.90	12.08	.....	13.53	14.44	15.05	15.20	15.57	14.91
24	16.94	17.08	16.60	14.39	12.13	.....	13.56	14.46	15.07	15.21	15.55	14.89
25	16.96	17.08	16.58	14.11	12.25	.....	13.59	14.47	15.08	15.23	15.59	14.93
26	16.97	17.11	16.53	13.91	12.29	.....	13.64	14.51	15.09	15.26	15.61	14.93
27	16.98	17.12	16.49	13.63	12.37	.....	13.68	14.52	15.11	15.27	15.61	14.94
28	16.97	17.13	16.46	13.29	12.41	.....	13.71	14.53	15.14	15.28	15.62	14.95
29	16.98	17.14	16.43	13.12	12.42	13.56	.....	14.53	15.13	15.28	15.63	14.91
30	16.97	.....	16.41	12.81	12.43	13.58	.....	14.56	15.14	15.29	15.65	14.96
31	16.99	.....	16.37	.....	12.44	.....	.....	14.58	.....	15.30	.....	14.98

26 (*840, p. 105; 845, p. 127; 886, p. 217; 908, p. 166; 938, p. 141; 946, p. 161; *988, p. 144). Wichita Water Co. SW¼ sec. 18, T. 27 S., R. 1 W.

Lowest daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.70	11.34	11.37	10.63	6.97	9.08a	12.24	.....	9.50	10.90	11.16	11.56
2	11.66	11.32	11.33	10.68	7.12	8.62	11.53a	12.33	9.73	10.89	11.18	11.50
3	11.63	11.33	11.32	10.69	7.12	8.40	11.32a	12.05	9.76	10.82	11.18	11.44
4	11.61	11.32	11.35	10.73	6.81	8.39	11.23a	12.68	9.70	10.74	11.18	11.40
5	11.60	11.32	11.32	10.75	6.34	8.24	11.20a	12.85	9.89	10.69	11.17	11.30
6	11.57	11.32	11.32	10.76	6.06	8.15a	13.96a	12.35	10.09	10.69	11.19	10.95
7	11.55	11.31	11.33	10.80	6.05	8.15a	14.10	10.89	10.23	10.62	11.19	10.51
8	11.65	11.34	11.33	10.81	6.22	8.18a	14.30	10.84	10.33	10.55	11.18	10.45
9	11.67	11.35	11.34	10.82	6.40	8.21a	14.27	10.67	10.44	10.44	11.17	10.46
10	11.67	11.39	11.32	10.75	6.78	....	11.99	10.55	10.55	10.49	11.17	10.46
11	11.67	11.46	11.33	10.47	7.09	....	11.55a	12.42	10.61	10.56	11.20	10.48
12	11.67	11.48	11.35	9.72	7.37	....	11.46	11.80	10.67	10.62	11.20	10.51
13	11.63	11.47	11.33	9.30	7.65	....	11.20	11.80	10.73	10.67	11.21	10.54
14	11.60	11.49	11.35	9.22	7.85	....	10.97a	12.31	10.78	10.74	11.24	10.54
15	11.62	11.48	11.32	9.05	8.04	....	10.98a	12.40	10.83	10.79	11.26	10.57
16	11.63	11.42	11.16	9.07	8.11	....	10.97a	12.64	10.88	10.82	11.28	10.57
17	11.62	11.39	10.82	9.28	8.02	....	11.04	11.11	10.92	10.83	11.29	10.58
18	11.59	11.40	10.76	9.44	8.09	....	a12.99	11.08	10.97	10.87	11.29	10.59
19	11.55	11.37	10.73	9.54	8.32	....	a13.30	11.03	11.01	10.90	11.30	10.60
20	11.51	11.35	.....	9.63	8.55	....	a13.19	10.99	11.06	10.96	11.31	10.60
21	11.44	11.36	.....	9.65	8.74	....	11.10	10.97	11.13	11.00	11.31	10.65
22	11.38	11.40	.....	9.13	8.90	....	10.82	10.78	11.16	11.02	11.31	10.65
23	11.34	11.40	.....	8.40	9.07	....	10.75	10.80	11.18	11.05	11.32	10.69
24	11.36	11.38	10.27	6.50	9.20	....	a11.82	10.80	11.19	11.07	11.32	10.71
25	11.41	11.36	10.33	5.83	9.35	....	a12.59	10.76	11.24	11.09	11.31	10.76
26	11.42	11.43	10.38	5.84	9.48	....	11.03	10.73	11.25	11.10	11.31	10.76
27	11.43	11.45	10.44	5.94	9.54	....	a12.21	10.59	11.23	11.11	11.30	10.66
28	11.43	11.42	10.48	6.31	9.55	....	a12.60	10.16	11.13	11.11	11.53	10.59
29	11.36	11.41	10.51	6.73	9.31	11.39a	12.88	9.60	11.05	11.12	11.73	10.68
30	11.32	.....	10.54	6.94	9.43a	13.50	.....	9.36	10.96	11.13	11.71	10.78
31	11.35	.....	10.57	....	9.43	.....	.....	9.29	.....	11.15	.....	10.84

a Nearby well pumping.

28 (*840, p. 106; 845, p. 127; 886, p. 218; 908, p. 167; 938, p. 141; 946, p. 161; *988, p. 145).

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	14.93	Mar. 31	12.83	July 8	10.99	Oct. 3	13.74
31	14.67	Apr. 29	11.30	Aug. 7	13.36	Nov. 6	13.06
Mar. 1	14.45	June 3	12.30	30	13.72	Dec. 4	13.66

307 (*840, p. 107; 845, p. 128; 886, p. 218; 908, p. 167; 938, p. 142; 946, p. 162; *988, p. 145). J. R. Clark. NW¼NW¼SW¼ sec. 1, T. 25 S., R. 2 W.

Lowest daily water level, in feet below land-surface datum, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.68	13.80	14.11	13.19	11.07	10.62	11.05	.....	11.96	12.50	12.20	12.30
2	13.68	13.80	14.11	13.19	11.02	10.61	11.06	11.61	12.00	12.50	12.22	12.30
3	13.69	13.81	14.12	13.18	11.00	10.62	11.11	11.63	12.02	12.35	12.24	12.29
4	13.70	13.81	14.13	13.16	10.95	10.67	11.14	11.63	12.02	12.26	12.24	12.28
5	13.72	13.82	14.13	13.15	10.89	10.70	11.16	11.71	12.03	12.22	12.22	12.11
6	13.73	13.82	14.15	13.14	10.86	10.71	11.18	11.73	12.04	12.21	12.21	11.94
7	13.73	13.83	14.15	13.11	10.85	10.69	11.23	11.73	12.05	12.24	12.19	11.85
8	13.75	13.84	14.16	13.10	10.84	10.67	11.25	11.74	12.05	12.24	12.19	11.81
9	13.75	13.85	14.16	13.08	10.84	10.69	11.24	11.76	12.06	12.22	12.22	11.81
10	13.75	13.87	14.16	13.07	10.84	10.68	11.23	11.78	12.07	12.22	12.25	11.80
11	13.75	13.88	14.16	12.93	10.84	10.67	11.24	11.80	12.07	12.21	12.27	11.78
12	13.76	13.90	14.17	12.79	10.82	10.63	11.25	11.84	12.05	12.21	12.26	11.75
13	13.77	13.90	14.17	12.67	10.81	10.61	11.27	11.86	12.05	12.21	12.26	11.74
14	13.77	13.94	14.17	12.58	10.79	10.63	11.28	11.86	12.07	12.22	12.28	11.77
15	13.77	13.96	14.13	12.59	10.75	10.64	11.30	11.88	12.09	12.24	12.30	11.70
16	13.77	13.97	14.01	12.59	10.74	10.69	11.31	11.92	12.14	12.24	12.31	11.73
17	13.77	13.99	13.89	12.57	10.73	.....	11.32	11.92	12.17	12.23	12.31	11.74
18	13.77	14.01	13.86	12.55	10.73	.....	11.36	11.93	12.21	12.21	12.31	11.74
19	13.77	14.01	13.80	12.54	10.71	.....	11.38	11.93	12.23	12.21	12.31	11.74
20	13.76	14.02	13.75	12.50	10.69	.....	11.41	11.93	12.27	12.20	12.32	11.71
21	13.77	14.03	13.72	12.46	10.67	.....	11.43	11.94	12.31	12.22	12.32	11.71
22	13.77	14.04	13.61	12.44	10.65	.....	11.44	11.95	12.33	12.22	12.31	11.65
23	13.77	14.05	13.49	12.15	10.64	.....	11.46	11.96	12.37	12.19	12.32	11.66
24	13.77	14.06	13.34	11.90	10.64	.....	11.46	11.96	12.37	12.19	12.27	11.65
25	13.78	14.07	13.32	11.75	10.66	.....	11.46	11.88	12.37	12.21	12.29	11.70
26	13.78	14.09	13.30	11.61	10.66	.....	11.48	11.86	12.41	12.22	12.29	11.70
27	13.79	14.09	13.28	11.50	10.65	.....	11.52	11.86	12.44	12.22	12.29	11.64
28	13.79	14.10	13.26	11.35	10.64	.....	11.52	11.88	12.43	12.22	12.28	11.64
29	13.79	14.10	13.24	11.30	10.64	11.03	.....	11.90	12.43	12.21	12.28	11.60
30	13.79	.....	13.24	11.18	10.63	11.03	.....	11.93	12.46	12.20	12.29	11.60
31	13.80	.....	13.19	.....	10.62	.....	.....	11.95	.....	12.20	.....	11.60

502 (*988, p. 146). Kansas Gas & Electric Co. NW. corner sec. 29, T. 26 S., R. 1 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	a 23.62	May 1	13.48	July 3	a 19.69	Oct. 19	a 22.49
Mar. 1	a 23.98	8	a 22.78	Aug. 4	a 24.20	Nov. 16	a 22.18
20	12.49	June 29	15.28	Sept. 8	a 23.62	Dec. 22	a 21.95
Apr. 4	a 21.70						

a Well pumping.

800 (*845, p. 129; 886, p. 219; 908, p. 167; 938, p. 142; 946, p. 162; *988, p. 146). City of Wichita. SW. corner sec. 33, T. 26 S., R. 1 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	15.18	Mar. 31	13.03	July 7	10.01	Oct. 3	10.69
31	15.53	Apr. 29	7.27	Aug. 7	10.42	Nov. 6	11.25
Mar. 1	15.77	June 3	8.50	30	10.07	Dec. 4	11.60

802 (*886, p. 219; 908, p. 167; 938, p. 142; 946, p. 162; *988, p. 146). City of Wichita. NW. corner sec. 1, T. 27 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	7.25	May 8	2.31	Aug. 8	6.19	Nov. 4	6.39
31	7.25	June 3	4.44	30	3.48	Dec. 5	6.26
Mar. 1	7.23	July 7	5.99	Sept. 30	6.26		

804 (*845, p. 130; 886, p. 219; 908, p. 167; 938, p. 142; 946, p. 162; *988, p. 146). City of Wichita. SE. corner sec. 16, T. 26 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	3.93	Mar. 30	1.87	July 5	2.73	Sept. 30	2.63
31	3.58	May 8	.63	Aug. 8	3.19	Nov. 4	2.55
Mar. 1	3.43	June 3	1.70	30	2.15	Dec. 5	.88

805 (*845, p. 130; 886, p. 219; 908, p. 168; 938, p. 142; 946, p. 162; *988, p. 146). City of Wichita. NW. corner NE¼ sec. 19, T. 26 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	4.35	Mar. 30	2.86	July 5	3.88	Sept.30	3.78
31	4.25	May 8	2.01	Aug. 8	4.18	Nov. 4	3.46
Mar. 1	4.03	June 3	2.70	30	3.63	Dec. 5	1.83

806 (*845, p. 130; 886, p. 220; 908, p. 168; 938, p. 143; 946, p. 163; *988, p. 146). City of Wichita. NW. corner SW¼ sec. 15, T. 26 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	16.96	Mar. 30	16.20	July 5	15.38	Sept.30	16.00
31	16.88	May 8	14.88	Aug. 8	15.78	Nov. 4	15.99
Mar. 1	16.83	June 3	14.75	30	15.75	Dec. 5	15.80

807 (*845, p. 130; 886, p. 220; 908, p. 168; 938, p. 143; 946, p. 163; *988, p. 146). City of Wichita. NW. corner sec. 10, T. 26 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	22.30	Mar. 30	21.57	July 5	20.20	Sept.30	21.27
31	22.27	May 8	19.45	Aug. 8	20.79	Nov. 4	21.18
Mar. 1	22.24	June 3	19.58	30	21.03	Dec. 5	21.08

808 (*845, p. 130; 886, p. 220; 908, p. 168; 938, p. 143; 946, p. 163; *988, p. 147). City of Wichita. SW. corner NW¼ sec. 18, T. 26 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	21.74	Mar. 30	21.60	July 5	20.82	Sept.30	21.08
31	21.83	May 8	20.83	Aug. 8	20.95	Nov. 4	21.06
Mar. 1	21.87	June 3	20.60	30	20.94	Dec. 5	20.89

809 (*845, p. 131; 886, p. 220; 908, p. 168; 938, p. 143; *946, p. 163; *988, p. 147). City of Wichita. NW. corner sec. 21, T. 26 S., R. 1 E.

Water level, in feet below land-surface datum, 1944

Jan. 3	12.76	Mar. 31	10.85	July 7	8.46	Oct. 3	9.71
31	12.75	Apr. 29	6.77	Aug. 7	8.90	Nov. 6	10.03
Mar. 1	12.64	June 3	6.93	30	9.17	Dec. 4	10.19

810 (*845, p. 131; 886, p. 220; 908, p. 168; 938, p. 143; 946, p. 163; *988, p. 147). City of Wichita. NE. corner SE¼ sec. 35, T. 26 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	12.67	Mar. 31	10.17	July 21	9.43	Oct. 13	10.62
14	12.67	Apr. 7	10.63	Aug. 2	10.25	20	11.00
21	12.53	14	5.35	4	10.51	27	11.25
28	12.34	21	8.29	11	10.88	Nov. 3	11.40
Feb. 4	12.35	28	1.94	18	11.20	10	11.32
11	12.50	May 6	2.73	25	11.27	17	11.52
18	12.57	12	6.12	Sept. 1	10.70	24	11.59
25	12.61	19	7.57	8	11.34	Dec. 1	11.58
29	12.66	26	8.60	15	11.49	8	7.86
Mar. 3	12.58	June 2	8.72	22	11.67	15	9.30
10	12.49	29	10.19	29	11.48	22	9.87
17	10.68	July 7	10.55	Oct. 6	10.13	29	10.24
24	8.84	14	7.35				

811 (*845, p. 131; 886, p. 221; 908, p. 168; 938, p. 143; 946, p. 163; *988, p. 147). City of Wichita. SE. corner sec. 33, T. 25 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	8.57	Apr. 7	7.18	July 21	6.47	Oct. 13	6.58
14	8.55	14	6.52	Aug. 2	6.77	20	6.97
21	8.44	21	6.59	4	6.86	27	6.92
28	8.47	28	4.33	11	7.04	Nov. 3	7.00
Feb. 4	8.42	May 6	3.69	18	7.25	10	7.08
11	8.50	12	4.11	25	7.48	17	7.21
18	8.53	19	4.60	Sept. 1	7.08	24	7.23
25	8.51	26	5.08	8	7.24	Dec. 1	7.32

811. City of Wichita--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29	8.55	June 2	5.09	Sept.15	7.28	Dec. 8	5.82
Mar. 10	8.43	29	5.90	22	7.36	15	6.04
17	8.17	July 7	6.19	29	7.10	22	6.18
24	7.20	14	6.15	Oct. 6	6.45	29	6.23
31	7.13						

812 (*845, p. 132; 886, p. 221; 908, p. 169; 938, p. 144; 946, p. 164; *988, p. 147). City of Wichita. NW. corner sec. 27, T. 25 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	11.48	Mar. 31	10.20	July 21	8.68	Oct. 13	9.37
14	11.50	Apr. 7	10.24	Aug. 2	8.97	20	9.48
21	11.53	14	9.36	4	9.03	27	9.64
28	11.47	21	9.43	11	9.20	Nov. 3	9.68
Feb. 4	11.51	28	7.65	18	9.42	10	9.78
11	11.60	May 6	7.05	25	9.42	17	9.92
18	11.62	12	7.30	Sept. 1	9.48	24	9.83
25	11.61	19	7.43	8	9.60	Dec. 1	10.00
29	11.65	26	7.66	15	9.72	8	9.02
Mar. 3	11.58	June 2	7.58	22	9.89	15	8.94
10	11.59	29	8.33	29	9.89	22	8.95
17	11.19	July 7	8.52	Oct. 6	9.35	29	8.99
24	10.19	14	8.46				

814 (*845, p. 132; 886, p. 221; 908, p. 169; 938, p. 144; 946, p. 164; *988, p. 148). City of Wichita. SE. corner sec. 14, T. 25 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	14.42	Mar. 31	13.80	July 6	11.13	Oct. 3	12.42
31	14.60	Apr. 29	11.46	Aug. 7	11.53	Nov. 4	12.24
Mar. 1	14.67	June 3	10.27	30	11.95	Dec. 4	12.29
3	13.19						

815 (*845, p. 132; 886, p. 221; 908, p. 169; 938, p. 144; 946, p. 164; *988, p. 148). City of Wichita. NE. corner sec. 17, T. 25 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	12.48	Mar. 31	11.68	July 21	9.09	Oct. 13	9.97
14	12.51	Apr. 7	11.55	Aug. 2	9.42	20	10.02
21	12.57	14	11.10	4	9.44	27	10.10
28	12.60	21	10.80	11	9.63	Nov. 3	10.22
Feb. 4	12.62	28	9.66	18	9.80	10	10.27
11	12.64	May 6	8.61	25	9.78	17	10.37
18	12.67	12	8.28	Sept. 1	9.94	24	10.43
25	12.69	19	8.19	8	10.07	Dec. 1	10.52
29	12.71	26	8.27	15	10.17	8	10.05
Mar. 3	10.83	June 2	8.24	22	10.30	15	9.77
10	12.71	29	8.74	29	9.71	22	9.68
17	12.55	July 7	8.93	Oct. 6	10.12	29	9.70
24	11.99	14	9.00				

816 (*845, p. 133; 886, p. 222; 908, p. 169; 938, p. 144; 946, p. 165; *988, p. 148). City of Wichita. SE. corner of sec. 7, T. 25 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	11.02	Apr. 7	9.51	July 21	8.30	Oct. 13	8.70
14	11.06	14	8.82	Aug. 2	8.48	20	8.89
21	11.12	21	8.74	4	8.53	27	8.97
28	11.18	28	7.08	11	8.69	Nov. 3	9.08
Feb. 4	11.20	May 6	6.66	18	8.90	10	9.11
11	11.26	12	6.87	25	8.94	17	9.13
18	11.30	19	7.07	Sept. 1	8.98	24	9.27
25	11.32	26	7.31	8	9.11	Dec. 1	9.33
29	11.37	June 2	7.39	15	9.20	8	8.26
Mar. 10	11.37	29	7.84	22	9.33	15	8.12
17	10.89	July 7	8.03	29	8.72	22	9.16
24	9.67	14	8.12	Oct. 6	8.90	29	8.21
31	9.44						

825 (*845, p. 133; 886, p. 222; 908, p. 170; 938, p. 145; 946, p. 165; *988, p. 148). City of Wichita. NE. corner sec. 3, T. 25 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	10.94	Mar. 31	9.82	July 6	8.55	Oct. 3	9.82
31	10.81	Apr. 29	6.78	Aug. 7	9.31	Nov. 6	9.75
Mar. 1	10.87	June 3	7.20	30	9.71	Dec. 4	9.93

826 (*886, p. 222; 908, p. 170; 938, p. 145; 946, p. 165; *988, p.149). City of Wichita. NE. corner sec. 5, T. 25 S., R. 1 W.

Water level, in feet below land-surface datum, 1944

Jan. 4	11.32	Mar. 7	11.18	June 1	6.40	Aug. 31	8.59
11	11.35	Apr. 3	9.57	July 4	8.69	Oct. 5	7.82
Feb. 1	11.10	May 9	2.12	Aug. 3	7.92	Nov. 2	8.97

830 (*845, p. 133; 886, p. 222; 908, p. 170; 938, p. 145; 946, p. 165; *988, p. 149). City of Wichita. SW. corner sec. 30, T. 25 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	27.13	Mar. 30	25.55	July 5	25.54	Sept.30	26.11
31	26.99	May 8	24.13	Aug. 8	26.19	Nov. 4	25.80
Mar. 1	26.89	June 3	24.47	30	25.79	Dec. 5	25.32

834 (*845, p. 133; 886, p. 223; 908, p. 170; 933, p. 145; 945, p. 165; *988, p. 149). City of Wichita. SW. corner sec. 9, T. 25 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	10.18	Mar. 30	8.64	July 5	8.68	Sept.30	9.08
31	10.00	May 8	5.87	Aug. 8	8.97	Nov. 4	8.93
Mar. 1	9.94	June 3	7.01	30	8.69	Dec. 5	8.09

838 (*845, p. 133; 886, p. 223; 908, p. 170; 938, p. 145; 946, p. 165; *988, p. 149). City of Wichita. NE. corner NW¼ sec. 33, T. 25 S., R. 3 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	25.18	Mar. 30	23.78	July 5	22.52	Sept.30	23.73
31	25.20	May 8	21.85	Aug. 8	23.30	Nov. 4	23.12
Mar. 1	25.10	June 3	21.58	30	23.34	Dec. 5	22.96

840 (*908, p. 170; 938, p. 145; 946, p. 165; *988, p. 149). Owner of well, city of Wichita; owner of property, C. A. Berger. NE. corner sec. 9, T. 25 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	7.58	Apr. 7	5.30	July 21	5.05	Oct. 13	4.87
14	7.59	14	3.78	Aug. 2	5.53	20	5.02
21	7.54	21	3.73	4	5.57	27	5.23
28	7.52	28	1.15	11	5.83	Nov. 3	5.45
Feb. 4	7.47	May 6	1.81	18	6.23	10	5.32
11	7.34	12	2.65	25	6.19	17	5.47
18	7.50	19	3.20	Sept. 1	5.60	24	5.51
25	7.51	26	3.69	8	5.89	Dec. 1	5.40
Mar. 3	7.41	June 2	3.49	15	6.04	8	3.06
10	7.29	29	4.46	22	6.26	16	3.28
17	6.59	July 7	4.85	29	6.08	22	3.61
24	5.55	14	4.80	Oct. 6	4.57	29	3.90
31	5.28						

842 (*886, p. 223; 908, p. 171; 938, p. 145; 946, p. 166; *988, p. 149). City of Wichita. SW. corner sec. 16, T. 25 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	6.51	Apr. 3	3.80	July 1	4.61	Sept.28	5.78
31	6.23	May 8	2.53	Aug. 7	5.67	Nov. 4	4.78
Mar. 1	6.01	June 3	3.44	30	5.13	Dec. 5	4.62

845 (*886, p. 223; 908, p. 171; 938, p. 146; 946, p. 166; *988, p. 150). City of Wichita. SW¼SW¼ sec. 5, T. 27 S., R. 1 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	14.20	Mar. 30	13.07	July 5	13.94	Sept. 30	13.83
31	14.05	May 8	8.20	Aug. 8	14.03	Nov. 4	14.60
Mar. 1	14.21	June 3	12.39	30	13.77	Dec. 5	13.33

846 (*886, p. 223; 908, p. 171; 938, p. 146; 946, p. 166; *988, p. 150). City of Wichita. SW¼SE¼ sec. 6, T. 27 S., R. 1 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.48	Mar. 30	15.02	July 5	16.29	Sept. 30	16.74
31	16.23	May 8	11.35	Aug. 8	16.37	Nov. 4	16.54
Mar. 1	16.44	June 3	15.15	30	15.80	Dec. 5	16.26

847 (*886, p. 223; 908, p. 171; 938, p. 146; 946, p. 166; *988, p. 150). City of Wichita. SW. corner SE¼ sec. 6, T. 27 S., R 1 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.78	Mar. 30	14.82	July 5	15.63	Sept. 30	15.12
31	16.59	May 8	10.55	Aug. 8	15.81	Nov. 4	16.23
Mar. 1	16.80	June 3	14.25	30	15.59	Dec. 5	15.11

870 (*908, p. 171; 938, p. 146; 946, p. 166; *988, p. 150). W. Williams. NW¼NE¼ sec. 18, T. 25 S., R. 2 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	7.35	Apr. 3	5.44	June 3	4.37	Nov. 4	5.98
31	7.06	May 8	3.60	Sept. 28	6.73	Dec. 5	5.76
Mar. 1	6.81						

2089. Mrs. G. H. von Hein. Located at rear of dwelling at 842 Coolidge Ave., Wichita, in NW¼SE¼ sec. 18, T. 27 S., R. 1 E. Driven irrigation well, diameter 1½-inches, depth 19.6 feet below land-surface datum. Measuring point, top of 1¼-inch T-joint on pipe, 1.95 feet above land-surface datum.

Water level, in feet below land-surface datum, 1942-44

Date	Water level	Date	Water level	Date	Water level
June 3, 1942	12.02	Mar. 21, 1944	14.51	Sept. 8, 1944	14.21
July 9	11.24	Apr. 14	13.79	15	14.44
Aug. 2	12.83	22	13.14	22	14.70
Sept. 27	13.07	29	11.83	29	14.89
Dec. 20	13.82	May 1	10.44	Oct. 6	14.67
Feb. 7, 1943	13.55	8	9.91	13	14.42
Apr. 9	14.00	14	10.28	20	14.60
May 15	14.24	21	11.23	27	14.78
21	14.18	June 2	12.47	Nov. 3	14.87
June 19	14.18	July 14	14.77	10	14.92
Sept. 8	15.59	21	14.48	17	14.97
24	14.96	Aug. 2	14.64	24	14.98
Oct. 21	15.31	11	14.71	Dec. 1	15.08
Nov. 19	15.12	18	14.81	8	14.70
Dec. 25	14.98	25	14.73	15	14.06
Jan. 21, 1944	15.01	Sept. 1	14.47	29	14.23

Seward County

By T. G. McLaughlin

Highest and lowest recorded water levels in 5 wells in Seward County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
15	4	15.88	May 3, 1944	18.00	Aug. 26, 1940
106	4	206.94	Sept. 13, 1944	208.32	July 19, 1941

Highest and lowest recorded water levels in 5 wells in Seward County, in feet below land-surface datum--Continued

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
108	4	106.07	Nov. 13, 1942	110.78	Apr. 21, 1941
122	4	201.54	Oct. 5, 1944	203.63	Aug. 5, 1940
159	4	94.38	Dec. 5, 1944	95.55	Dec. 19, 1940

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 5 wells in Seward County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 [a]	Net rise for period of record
15	2.12	-0.10	0.12
106	1.38	-.10	.74
108	4.71	-.01	2.90
122	2.09	+.12	.97
159	1.17	+.51	1.00

a Between last measurement in 1943 and last measurement in 1944.

15 (*908, p. 173; 938, p. 147; 946, p. 167; *988, p. 151). R. H. Hitch. SE¼SW¼ sec. 21, T. 32 S., R. 33 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	16.34	Apr. 19	16.35	July 13	16.65	Oct. 5	16.90
Feb. 17	16.44	May 3	15.88	Aug. 3	16.69	Dec. 5	16.60
Mar. 6	16.38	June 27	16.62	Sept.14	a 17.54		

a Affected by pumping.

106 (*908, p. 173; 938, p. 147; 946, pp. 167-168; *988, p. 151). Kansas City Life Insurance Co. SW¼SW¼ sec. 8, T. 32 S., R. 34 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Mar. 6	207.16	Sept.13	206.94	Nov. 21	207.40
May 3	207.33	Oct. 5	206.95		

108 (*908, p. 173; 938, p. 147; 946, p. 168; *988, p. 151). C. D. Day. NE¼SE¼ sec. 6, T. 31 S., R. 34 W.

Water level, in feet below land-surface datum, 1944

Feb. 17	107.46	May 3	107.74	Nov. 21	106.99
Mar. 6	107.41	Aug. 2	106.63	Dec. 5	107.43

122 (*908, p. 173; 938, p. 148; 946, p. 168; *988, p. 151). Mrs. Flora Atwell. NE¼SE¼ sec. 9, T. 33 S., R. 31 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	203.11	May 3	202.19	Aug. 3	202.71	Nov. 21	202.92
Mar. 6	203.06	June 27	202.89	Sept.14	202.63	Dec. 5	202.66
Apr. 19	201.70	July 13	202.68	Oct. 5	201.54		

159 (*908, p. 174; 938, p. 148; 946, p. 168; *988, p. 151). Liberal Gas Co. NW¼NE¼ sec. 3, T. 35 S., R. 34 W.

Water level, in feet below land-surface datum, 1944

Feb. 17	94.79	May 3	94.66	Aug. 3	94.57	Nov. 12	94.42
Mar. 6	94.74	June 27	94.60	Sept.14	94.59	Dec. 5	94.38
Apr. 20	94.58	July 13	94.61	Oct. 5	94.41		

Stafford County

By B. F. Latta

Highest and lowest recorded water levels in 6 wells in Stafford County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
3	2.5	16.09	May 11, 1944	20.06	Oct. 12, 1943
19	2.5	7.07	Dec. 8, 1944	11.04	Aug. 1, 1942
25	2.5	18.22	May 11, 1944	25.35	Aug. 1, 1942
26	2.5	15.07	Dec. 8, 1944	20.11	Aug. 3, 1942
29	2.5	18.89	June 4, 1944	22.84	Aug. 4, 1942
63	2.5	17.95	Oct. 24, 1944	20.66	Aug. 26, 1942

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record in 6 wells in Stafford County

Well	Difference between highest and lowest levels	Net rise in 1944 a/	Net rise for period of record
3	3.97	3.18	1.92
19	3.97	2.86	3.97
25	7.13	2.72	5.73
26	5.04	2.66	5.04
29	3.95	.99	3.46
63	2.71	1.26	2.58

a Between last measurement in 1943 and last measurement in 1944.

3 (*946, p. 170; *988, p. 152). B. Fritzmeyer. SW. corner SW¼ sec. sec. 12, T. 23 S., R. 12 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	19.50	Apr. 6	18.31	July 27	18.20	Nov. 16	17.57
Feb. 25	19.01	May 11	16.09	Oct. 24	17.30	Dec. 8	16.47
Mar. 15	18.78	June 4	16.42				

19 (*946, p. 170; *988, p. 153). Atlantic Refining Co. SE¼SE¼ sec. 27, T. 21 S., R. 13 W.

Water level, in feet below land-surface datum, 1944

Jan. 19	9.97	Apr. 5	9.88	July 27	7.39	Nov. 16	7.18
Feb. 25	9.84	May 10	7.82	Oct. 24	7.18	Dec. 8	7.07
Mar. 15	9.88	June 4	7.59				

25 (*946, p. 170; *988, p. 153). Continental Oil Co. NW¼NE¼ sec. 12, T. 25 S., R. 13 W.

Water level, in feet below land-surface datum, 1944

Jan. 19	22.46	Apr. 6	22.82	July 27	18.79	Nov. 16	19.58
Feb. 25	22.56	May 11	18.22	Oct. 24	19.31	Dec. 8	19.62
Mar. 15	22.69	June 4	18.24				

26 (*946, p. 170; *988, p. 153). Stanolind Oil Co. SW¼SW¼ sec. 3, T. 22 S., R. 12 W.

Water level, in feet below land-surface datum, 1944

Jan. 19	17.90	Apr. 6	18.11	July 27	15.42	Nov. 16	15.27
Feb. 25	17.94	May 11	16.07	Oct. 24	15.29	Dec. 8	15.07
Mar. 15	18.12	June 4	15.43				

29 (*946, p. 170; *988, p. 153). Altantic Refining Co. NE¼NE¼ sec. 28, T. 24 S., R. 13 W.

Water level, in feet below land-surface datum, 1944

Jan. 19	20.38	Apr. 6	20.58	July 27	18.96	Nov. 16	19.36
Feb. 25	20.36	May 11	19.41	Oct. 24	19.29	Dec. 8	19.38
Mar. 15	20.63	June 4	18.89				

63 (*946, p. 171; *988, p. 154). G. W. Buckles. NE¼NE¼NE¼ sec. 16, T. 24 S., R. 11 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	19.53	May 11	18.68	July 27	18.29	Nov. 16	18.07
Feb. 25	19.52	June 4	18.35	Oct. 24	17.95	Dec. 8	18.08
Apr. 6	19.67						

Stanton County

By B. F. Latta

Highest and lowest recorded water levels in 4 wells in Stanton County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
13	5.5	47.55	Dec. 14, 1944	51.83	Apr. 23, 1940
47	5.5	70.44	Dec. 14, 1944	71.08	May 12, 1941
93	5.5	174.52	Apr. 20, 1944	175.60	Oct. 9, 1939
146	5.5	41.55	Sept.14, 1944	46.30	Apr. 22, May 14, June 18, 1940

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 4 wells in Stanton County

Well	Difference between highest and lowest levels	Net rise (+) or net decline (-) in 1944 a/	Net rise for period of record
13	4.28	+2.33	3.78
47	.64	+.45	.47
93	1.08	-.34	.53
146	4.75	(b)	4.68

a From Nov. 16, 1943, to Dec. 14, 1944.
b Records incomplete.

13 (*886, p. 225; 908, p. 177; 938, p. 149; 946, p. 171; *988, p. 154). L. Y. Carrithers. NE¼SE¼ sec. 21, T. 27 S., R. 40 W. Water levels, in feet below land-surface datum, 1944: Mar. 7, 49.59; June 28, 48.73; Sept. 1, 47.88; Dec. 14, 47.55.

47 (*886, p. 225; 908, p. 177; 938, p. 149; 946, p. 172; *988, p. 154). Southwestern College. NW¼NE¼ sec. 35, T. 28 S., R. 39 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	70.82	Apr. 20	70.87	July 7	70.71	Oct. 6	70.51
Feb. 18	71.01	May 4	70.90	Aug. 3	70.63	Nov. 22	70.46
Mar. 7	70.91	June 28	70.92	Sept.14	70.51	Dec. 14	70.44

62 (*886, p. 226; 908, p. 178; 938, p. 149; 946, p. 172; *988, p.155). H. Bearman. SW¼SW¼ sec. 29, T. 28 S., R. 41 W. Measurements discontinued Jan. 1, 1944.

93 (*886, p. 226; 908, p. 178; 938, p. 149, 946, p. 172; *988, p.155). J. Plummer. Center NE¼ sec. 11, T. 29 S., R. 41 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	174.56	Apr. 20	174.52	July 7	174.87	Oct. 6	175.04
Feb. 18	174.76	May 4	174.87	Aug. 3	174.80	Nov. 22	175.01
Mar. 7	174.84	June 28	174.91	Sept.14	174.81	Dec. 14	174.92

146 (*886, p. 227; *908, p. 178; 938, p. 149; 946, p. 172; *988, p. 155). C. M. Harrison. SW¼SE¼ sec. 27, T. 30 S., R. 43 W. Water levels, in feet below land-surface datum, 1944: Mar. 7, 42.21; June 28, 41.67; Sept. 14, 41.55.

Stevens County

By T. G. McLaughlin

Highest and lowest recorded water levels in 7 wells in Stevens County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
10	2.5	80.38	Apr. 20, 1944 a	91.73	Oct. 26, 1943
12	2.5	112.26	July 13, 1944	113.38	July 28, 1942
21	2.5	86.32	Aug. 3, 1944	87.63	July 12, 1943
26	2.5	90.72	July 13, 1944	92.20	July 5, 1943
28	2.5	132.20	Sept.13, 1944	132.64	Sept.23, 1943
29	2.5	120.89	Apr. 20, 1944	122.41	Nov. 17, 1943
30	2.5	104.77	Sept.14, 1944 Dec. 5, 1944	106.84	Sept.23, 1943

a Affected by pumping.

Difference between highest and lowest recorded water levels, and net change in water level, in feet, in 1944 and for period of record, in 7 wells in Stevens County

Well	Difference between highest and lowest levels	Net rise in 1944 [a]	Net rise for period of record
10	11.35	10.76	0.71
12	1.12	.48	1.05
21	1.31	.43	.06
26	1.48	.60	.70
28	.44	.36	.21
29	1.52	1.00	.37
30	2.07	1.23	1.23

a Between last measurement in 1943 and last measurement in 1944.

10 (*946, p. 173; *988, p. 156). T. P. Patterson. NW¼SW¼ sec. 21, T. 33 S., R. 37 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	80.98	Apr. 20	80.38	Aug. 3	82.04	Nov. 22	81.12
Feb. 18	81.03	May 4	81.40	Sept.14	a 88.76	Dec. 5	80.97
Mar. 6	80.95	July 13	a 86.91	Oct. 5	81.41		

12 (*946, p. 173; *988, p. 156). Mack Greenwood. NW¼NE¼ sec. 28, T. 33 S., R. 38 W.

Water level, in feet below land-surface datum, 1944

Feb. 18	112.70	May 4	112.60	Aug. 3	112.43	Nov. 22	112.35
Mar. 6	112.70	June 28	112.59	Sept.14	112.39	Dec. 14	112.33
Apr. 20	112.57	July 13	112.26	Oct. 5	112.41		

21 (*946, p. 173; *988, p. 156). B. W. Parsons. NE¼NE¼ sec. 9, T. 31 S., R. 37 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	87.19	June 29	86.85	Sept.13	86.82	Nov. 22	87.17
Feb. 17	87.18	July 14	86.90	Oct. 6	87.23	Dec. 15	87.10
May 5	87.20	Aug. 3	86.32				

26 (*946, p. 174; *988, p. 156). Panhandle Eastern Pipeline Co. NW¼NW¼ sec. 4, T. 33 S., R. 38 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	91.49	Apr. 20	91.35	Aug. 3	90.74	Nov. 22	90.81
Feb. 18	91.52	May 4	91.36	Sept.14	90.79	Dec. 5	90.81
Mar. 6	91.43	July 13	90.72	Oct. 5	90.80		

28 (*946, p. 174; *988, p. 157). C. E. Dudley. NW¼NE¼ sec. 34, T. 31 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	132.39	Apr. 20	132.26	July 13	132.41	Oct. 5	132.24
Feb. 17	132.32	May 4	132.36	Aug. 3	132.36	Nov. 22	132.26
Mar. 6	132.43	June 27	132.35	Sept.13	132.20	Dec. 5	132.23

29 (*946, p. 174; *988, p. 157). Eunice Bateman. NE¼NE¼ sec. 10, T. 32 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	121.37	Apr. 20	120.89	July 13	121.43	Oct. 5	121.43
Feb. 17	121.29	May 4	121.40	Aug. 3	121.40	Nov. 22	121.41
Mar. 6	121.58	June 27	121.64	Sept.13	121.36		

30 (*946, p. 174; *988, p. 157). Central Life Assurance Co. SE¼SE¼ sec. 15, T. 33 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	105.86	Apr. 20	105.39	July 13	105.13	Oct. 5	104.84
Feb. 17	105.97	May 4	105.98	Aug. 3	104.92	Nov. 22	104.82
Mar. 6	105.88	June 29	106.33	Sept.14	104.77	Dec. 5	104.77

Sumner County

By C. C. Williams

Observation of two wells in Sumner County, drilled by the State and Federal Geological Surveys, was begun in June 1944.

1. Geological Survey, U. S. Dept. of Interior. Located on township road right-of-way in NW. corner sec. 1, T. 30 S., R. 1 E. Drilled observation well, diameter 1¼-inches, depth 56 feet below land-surface datum. Measuring point, top of 1¼-inch pipe, 1.5 feet above land-surface datum, 1,227.2 feet above sea level.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
June 7	5.77	Oct. 3	7.89	Nov. 1	7.76
Sept. 6	7.99	5	7.65	Dec. 2	8.19

2. Geol. Survey, U. S. Dept. of Interior. Located on township road right-of-way in NE. corner sec. 6, T. 30 S., R. 1 E. Drilled observation well, diameter 1¼-inches, depth 48 feet below land-surface datum. Measuring point, top of 1¼-inch pipe, 0.8 foot above land-surface datum, 1,261.6 feet above sea level.

Water level, in feet below land-surface datum, 1944

June 12	22.84	Sept. 2	22.71	Nov. 1	22.48
Aug. 8	22.75	Oct. 3	22.70	Dec. 2	22.80

Thomas County

By Betty Ball

Highest and lowest recorded water levels in 13 wells in Thomas County, in feet below land-surface datum

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
1	2.5	124.05	Mar. 17, 1944	126.17	July 13, 1942
2	2.5	48.10	Feb. 27, 1944	48.73	July 3, 1943
4	2.5	83.16	Nov. 27, 1944 Dec. 19, 1944	84.44	Aug. 7, 1943
7	2.5	124.34	June 9, 1943	125.41	Oct. 7, 1942

Highest and lowest recorded water levels in 13 wells in Thomas County, in feet below land-surface datum--Continued

Well	Length of record (years)	Highest level (feet)	Date	Lowest level (feet)	Date
9	2.5	72.14	Sept. 6, 1944	73.21	Apr. 24, 1944
12	2.5	89.87	Nov. 27, 1944	90.43	Dec. 14, 1942
13 a/	2.5	63.04	July 14, 1942	68.07	Apr. 12, 1943
21	2.5	105.17	Oct. 7, 1942	109.55	Sept.16, 1943
25	2.5	115.88	Dec. 19, 1944	116.18	Feb. 11, 1943
26	2.5	111.54	June 12, 1944	111.82	Sept.16, 1942 Feb. 11, 1943
32 b/	2.5	148.03	Dec. 23, 1943	148.68	Aug. 7, 1943
33	2.5	116.65	May 24, 1944	117.24	Aug. 7, 1943
62	2.5	97.65	Nov. 27, 1942	98.38	Dec. 19, 1944

a Measurements discontinued after June 12, 1944.
b Measurements discontinued after Mar. 17, 1944.

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 13 wells in Thomas County

Well	Difference between highest and lowest level	Net rise (+) or net decline (-) in 1944 a/	Net rise (+) or net decline (-) for period of record
1	2.12	-0.26	+0.83
2	.63	+.15	-.07
4	1.28	+.43	+.36
7	1.07	+.29	+.05
9	1.07	+.69	+.10
12	.56	+.26	+.33
13	5.03	(b)	-2.32
21	4.38	+.60	+.58
25	.30	+.13	+.25
26	.28	+.05	+.16
32	.65	(b)	+.22
33	.59	-.07	+.23
62	.73	-.51	-.64

a Between last measurement in 1943 and last measurement in 1944.
b Measurements for 1944 incomplete.

1 (*946, p. 175; *988, p. 158). Earl W. Dawes. NW¼SW¼ sec. 9, T. 9 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	124.07	Apr. 25	124.22	July 20	124.23	Oct. 19	124.35
Feb. 27	124.10	May 25	124.27	Aug. 11	124.35	Nov. 27	124.32
Mar. 17	124.05	June 11	124.20	Sept. 6	124.33	Dec. 19	124.34

2 (*946, p. 175; *988, p. 158). Lem Fulwider. SE¼SE¼ sec. 30, T. 8 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	48.52	Apr. 25	48.60	July 20	48.15	Oct. 19	48.27
Feb. 27	48.10	May 25	48.33	Aug. 11	48.12	Nov. 27	48.23
Mar. 17	48.31	June 11	48.26	Sept. 6	48.20	Dec. 19	48.38

4 (*988, p. 158). Will Guise. SW¼NW¼ sec. 35, T. 7 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	83.30	June 11	83.24	Sept. 6	83.19	Nov. 27	83.16
Mar. 17	83.27	July 20	83.20	Oct. 19	83.18	Dec. 19	83.16
May 25	83.33	Aug. 11	83.17				

7 (*946, p. 176; *988, p. 158). George Strait. NW¼NE¼ sec. 18, T. 8 S., R. 36 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	124.73	Apr. 25	124.78	July 20	124.83	Oct. 19	124.34
Feb. 27	124.47	May 25	124.68	Aug. 11	124.90	Nov. 27	124.29
Mar. 17	125.25	June 11	124.38	Sept. 6	124.50	Dec. 19	124.47

9 (*988, p. 158). Mr. Sloan. NW¼NW¼ sec. 26, T. 7 S., R. 33 W

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	73.01	Apr. 24	73.21	July 20	72.68	Oct. 20	72.20
Feb. 26	73.11	May 24	73.16	Aug. 11	72.32	Nov. 27	72.32
Mar. 17	73.05	June 11	73.11	Sept. 6	72.14	Dec. 19	72.33

12 (*946, p. 176; *988, p. 159). W. A. Atha. NW¼SE¼ sec. 2, T. 7 S., R. 31 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	90.14	Apr. 24	89.96	July 20	90.26	Oct. 20	89.94
Feb. 26	90.21	May 24	90.27	Aug. 11	90.10	Nov. 27	89.87
Mar. 17	90.10	June 11	90.30	Sept. 6	90.03	Dec. 19	89.83

13 (*946, p. 176; *988, p. 159). H. V. Christensen. SW¼NE¼ sec. 13, T. 8 S., R. 31 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 21	65.43	Mar. 17	64.96	May 25	65.18
Feb. 26	64.90	Apr. 24	64.98	June 12	65.36

21 (*946, p. 176; *988, p. 159). W. J. Campbell. NE¼SE¼ sec. 36, T. 7 S., R. 34 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	107.53	Apr. 25	107.02	July 20	107.32	Oct. 19	107.09
Feb. 27	107.18	May 25	108.51	Aug. 11	107.56	Nov. 27	106.79
Mar. 17	106.80	June 12	107.56	Sept. 6	107.50	Dec. 19	106.78

25 (*946, p. 176; *988, p. 159). Roy Zeiglemeyer. NW¼SW¼ sec. 12, T. 6 S., R. 32 W. Water levels, in feet below land-surface datum, 1944: Mar. 17, 115.95; June 11, 115.95; Sept. 6, 116.06; Dec. 19, 115.88.

26 (*946, p. 176; *988, p. 159). T. A. Ryan. NE¼SE¼ sec. 27, T. 8 S., R. 32 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	111.60	Apr. 24	111.66	July 20	111.60	Oct. 20	111.62
Feb. 26	111.72	May 24	111.58	Aug. 10	111.58	Nov. 27	111.64
Mar. 17	111.58	June 12	111.54	Sept. 6	111.59	Dec. 18	111.62

32 (*946, p. 177; *988, p. 159). F. D. Hoover. NE¼SW¼ sec. 2, T. 8 S., R. 35 W. Water levels, in feet below land-surface datum, 1944: Jan. 21, 148.35; Feb. 27, 148.43; Mar. 17, 148.26.

33 (*946, p. 177; *988, p. 160). Arch Ball. NW¼NW¼ sec. 7, T. 9 S., R. 33 W.

Water level, in feet below land-surface datum, 1944

Jan. 21	116.81	May 24	116.65	Aug. 10	116.84	Nov. 27	116.82
Mar. 17	116.78	June 11	116.77	Sept. 6	116.84	Dec. 19	116.88
Apr. 25	116.86	July 20	116.80	Oct. 19	116.79		

62 (*946, p. 177; *988, p. 160). H. A. Hills. NE¼NE¼ sec. 27, T. 10 S., R. 34 W. Water levels, in feet below land-surface datum, 1944: Mar. 17, 98.05; June 11, 98.14; Sept. 6, 98.32; Dec. 19, 98.38.

Wyandotte County

By V. C. Fishel

During 1944 a total of 59 test holes were drilled in the Kansas City (Kans.) area by the State and Federal Geological Surveys. Eleven of these test holes were cased and made into permanent observation wells, the descriptions of which are given below.

13. Geological Survey, U. S. Dept. of Interior. NW¼NW¼NW¼ sec. 34, T. 10 S., R. 25 E., between Funston and Rickel Roads at their intersection with Seventh Street Trafficway. Drilled observation well, diameter 1¼ inches, depth 89.2 feet. Measuring point is 1.6 feet above land surface datum, 747.3 feet above sea level. Water levels, in feet below land-surface datum, 1944: Aug. 9, 9.55; Oct. 1, 13.22; Nov. 22, 14.10.

86. Geological Survey, U. S. Dept. of Interior. SE¼SE¼SE¼ sec. 10, T. 11 S., R. 25 E., southeast of intersection of Central Avenue with Kansas River, at south end of truck lot at Farmers' Union Jobbing Association. Drilled observation well, diameter 1¼ inches, depth 78.9 feet. Measuring point is 1.5 feet above land-surface datum, and 750.5 feet above sea level. Water levels, in feet below land-surface datum, 1944: Oct. 1, 26.08; Nov. 21, 27.06.

87. Geological Survey, U. S. Dept. of Interior. SW¼SW¼SW¼ sec. 11, T. 11 S., R. 25 E., southwest of the intersection of James Street with Meyers Avenue, 33 feet west and 15 feet north of power pole at curve on Central Avenue viaduct. Drilled observation well, diameter 1¼ inches, depth 69.6 feet. Measuring point is 1.7 feet above land-surface datum, and 747.6 feet above sea level. Water levels, in feet below land-surface datum, 1944: July 28, 20.07; Oct. 1, 20.85; Nov. 21, 22.89.

97. Geological Survey, U. S. Dept. of Interior. NW¼SW¼SE¼ sec. 15, T. 11 S., R. 25 E., 30 feet south and 21 feet east of center of intersection of Fourth Street with Berger Avenue. Drilled observation well, diameter 1¼ inches, depth 68.9 feet. Measuring point, top of casing, 1.7 feet above land-surface datum, and 747.1 feet above sea level. Water levels, in feet below land-surface datum, 1944: Oct. 1, 22.10; Nov. 20, 22.86.

98. Geological Survey, U. S. Dept. of Interior. SE¼SW¼SE¼ sec. 15, T. 11 S., R. 25 E., at rear of port of entry, about 150 feet north of Kansas Avenue and 125 feet west of Second Street. Drilled observation well, diameter 1¼ inches, depth 67.8 feet. Measuring point, top of casing, 1.4 feet below land-surface datum, and 750.7 feet above sea level. Water levels, in feet below land-surface datum, 1944: Oct. 1, 26.40; Nov. 20, 27.10.

100. Geological Survey, U. S. Dept. of Interior. SE¼NE¼NE¼ sec. 22, T. 11 S., R. 25 E., 30 feet south and 102 feet east of center of intersection of Shawnee Avenue with Adams Street. Drilled observation well, diameter 1¼ inches, depth 79.5 feet. Measuring point, top of casing, 1.4 feet above land-surface datum, and 748.2 feet above sea level. Water levels, in feet below land-surface datum, 1944: July 20, 24.00; Oct. 1, 23.66; Nov. 20, 24.72.

101. Geological Survey, U. S. Dept. of Interior. NW¼SW¼NW¼ sec. 23, T. 11 S., R. 25 E., about 150 feet southeast of river, 30 feet southwest of Kansas City Terminal Railway high-line viaduct, 15 feet west and 15 feet south of first manhole cover south of railroad bridge. Drilled observation well, diameter 1¼ inches, depth 97.9 feet. Measuring point, top of casing, 1.6 feet above land-surface datum, and 758.9 feet above sea level. Water levels, in feet below land-surface datum, 1944: July 21, 34.49; Oct. 1, 33.41; Nov. 20, 34.78.

118. Geological Survey, U. S. Dept. of Interior, NW. corner sec. 21, T. 11 S., R. 25 E., 72 feet south and 15 feet west of center of intersection Kansas Avenue with 17th Street. Drilled observation well, diameter 1¼ inches, depth 68.6 feet. Measuring point, 1.5 feet above land-surface datum, and 757.3 feet above sea level. Water level, in feet below land-surface datum, 1944: Oct. 1, 28.74; Nov. 17, 31.21.

119. Geological Survey, U. S. Dept. of Interior. SE¼NE¼NE¼ sec. 20, T. 11 S., R. 25 E., southeast of intersection of Osage Avenue with 19th Street, 36 feet south of center of Osage Avenue and between two sets of double railroad tracks. Drilled observation well, diameter 1¼ inches, depth 79.1 feet. Measuring point, top of casing, 1.3 feet above land-surface datum, 760.5 feet above sea level. Water levels, in feet below land-surface datum, 1944: July 15, 25.30; Oct. 1, 30.44; Nov. 17, 32.60.

120. Geological Survey, U. S. Dept. of Interior. NW¼SE¼NE¼ sec. 20, T. 11 S., R. 25 E., just northeast of intersection of Miami Avenue extended, with levee. Drilled observation well, diameter 1¼ inches, depth 77.8 feet. Measuring point, top of casing. 1.2 feet above land-surface datum, and 744.0 feet above sea level. Water levels, in feet below land-surface datum, 1944: July 10, 20.34; Oct. 1, 24.95; Nov. 17, 27.04.

121. Geological Survey, U. S. Dept. of Interior. NE¼NW¼SE¼ sec. 20, T. 11 S., R. 25 E., northeast of intersection of 22d Street with Argentine Boulevard, 24 feet north and 12 feet east of second power pole north of boulevard. Drilled observation well, diameter 1¼ inches, depth 70.0 feet. Measuring point, top of casing, 1.2 feet above land-surface datum, and 747.4 feet above sea level. Water level, in feet below land-surface datum, 1944: Nov. 17, 19.43.

138 (*988, p. 160). P. S. Judy. SE¼SE¼ sec. 13, T. 11 S., R. 24 E. Water levels, in feet below land-surface datum, 1944: Jan. 25, 27.92; Oct. 1, 12.08; Nov. 17, 22.59.

147 (*988, p. 160). South well. Santa Fe Railway. In Morris, NE¼SW¼ sec. 28, T. 11.S., R. 24 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	27.42	Apr. 19	27.77	July 15	27.52	Dec. 20	27.51
Mar. 2	27.44	June 3	27.28	Aug. 23	27.52		

165 (*988, p. 160). City of Bonner Springs. SE¼NE¼ sec. 32, T. 11 S., R. 23 E. Water level, in feet below land-surface datum, 1944: Nov. 15, 26.97.

MINNESOTA

By H. Garland Hershey and D. A. Barton

PROGRAM OF WORK

Periodic measurements of water level were made by the Geological Survey, United States Department of the Interior, in 3 wells in Minnesota during 1944.

The water level in the well near Hanska, Brown County, fluctuated between a high of 3.05 feet on May 22 and a low of 7.31 feet on December 26. These readings are the lowest and highest on record for this well since the first recorded measurement on July 31, 1942. The water level was 2.29 feet lower at the end of the year than at the beginning.

Weekly measurements of water level were made also in the other two wells, one near the town of Deer River, in Itasca County, the other at Eveleth, in St. Louis County.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Brown County

108-30-9 (*946, pp. 178-179; 988, p. 162). Erwin Kjelshus. Sec. 9, T. 108 N., R. 30 W., near Hanska. Measurements made by Erwin Kjelshus.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	5.02	Apr. 4	5.35	July 4	4.45	Oct. 3	6.60
10	5.10	11	5.27	11	4.66	10	6.69
17	5.31	19	4.60	18	4.85	17	6.85
24	5.40	25	3.70	24	5.10	23	7.05
Feb. 1	4.95	May 3	3.50	Aug. 1	5.65	Nov. 1	7.16
7	4.97	9	3.48	7	5.90	7	7.10
15	5.18	16	3.62	14	6.40	14	7.30
22	5.38	22	3.05	22	6.68	21	7.14
29	5.25	31	3.90	29	6.15	28	7.20
Mar. 7	5.30	June 6	3.78	Sept. 5	5.95	Dec. 5	7.20
14	5.34	13	3.35	12	5.85	12	7.28
22	5.45	20	3.90	19	6.33	19	7.30
28	5.44	28	4.30	25	6.40	26	7.31

Itasca County

US 135 (*988, p. 163). Corps of Engineers, U. S. Army. SE¼NW¼ sec. 26, T. 146 N., R. 27 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	19.88	Apr. 3	21.32	July 2	20.15	Oct. 2	18.23
10	19.99	10	21.36	10	19.90	9	18.25
17	20.05	17	21.39	17	19.59	16	18.29
24	20.19	24	21.41	24	19.30	23	18.34
31	20.33	May 1	21.40	31	19.09	30	18.42
Feb. 7	20.41	8	21.39	Aug. 7	18.90	Nov. 6	18.52
14	20.54	15	21.27	14	18.69	13	18.58
21	20.64	22	21.19	21	18.51	20	18.65
28	20.79	29	21.08	28	18.34	27	18.70
Mar. 4	20.91	June 5	20.96	Sept. 4	18.26	Dec. 4	18.72
13	21.04	12	20.78	11	18.25	11	18.75
20	21.16	19	20.57	18	18.20	18	18.86
27	21.23	26	20.35	25	18.20	25	18.92

St. Louis County

US 136 (*988, p. 163). Herman A. Katola. Lot 3, sec. 4, T. 56 N., R. 17 W.

Water level, in feet below land-surface datum, 1944

Jan. 2	7.83	Apr. 9	8.58	July 9	5.82	Oct. 8	6.73
9	8.07	16	8.19	16	4.43	15	6.85
16	8.00	23	8.07	23	4.79	22	6.95
23	8.07	30	7.87	30	5.54	29	7.08
30	7.99	May 10	2.73	Aug. 6	5.85	Nov. 5	7.13
Feb. 6	8.04	14	6.30	13	6.91	12	7.06
13	8.13	21	6.00	20	6.12	19	6.80
20	8.26	28	5.95	27	6.50	26	6.81
27	8.38	June 4	5.27	Sept. 3	6.33	Dec. 3	6.92
Mar. 5	8.45	11	5.28	10	6.46	10	7.02
12	8.52	18	4.20	17	6.60	17	7.13
19	8.55	25	4.66	24	6.58	24	7.30
26	8.67	July 2	5.79	Oct. 1	6.69	31	7.34
Apr. 2	8.67						

MISSOURI

By H. Garland Hershey, S. W. Lohman, and D. A. Barton

PROGRAM OF WORK

In 1944 water-level measurements were made on a monthly basis in 18 wells in Atchison County, and 2 wells in Phelps County, and on a weekly basis in 1 well in Grundy County as a part of the Nation-wide network of observation wells maintained by the Geological Survey, United States Department of the Interior. The wells in Atchison County have been systematically measured since 1934; they are in the Tarkio Creek area which includes additional wells in Montgomery and Page Counties, Iowa. The first measurement in the Grundy County well was recorded in 1942. During 1944 the measurements made in the 21 wells in Missouri totaled 276. None of the wells are equipped with water-stage recorders.

The measurements in the Phelps County wells were made by engineers of the Rolla office of the Survey's division of surface water through the courtesy of H. C. Beckman, district engineer. The measurements in the Atchison County wells were made by D. L. Hummel, and those in the Grundy County well by W. H. Estes, owner of the well.

FLUCTUATIONS OF WATER LEVEL

In the Grundy County well the lowest stage was recorded on February 1 with a measurement of 7.36 feet and the highest on April 30 with a reading of 0.50 foot, a rise of 6.86 feet. The water level was 3.34 feet higher at the close of the year than it was at the close of 1943.

Fluctuations of water levels in wells in Atchison County, together with the other wells in the Tarkio Creek area, are discussed in the section of this volume that deals with Iowa.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Atchison County

Tarkio Creek area

(Wells in the Tarkio Creek area are numbered consecutively beginning with 1; measurements made by D. L. Hummel.)

1 (*777, pp. 63-64; *817, pp. 56-59; *840, pp. 91, 93-94; 845, p. 86; 886, p. 122; 908, p. 181; 938, p. 39; 946, p. 181; *988, p. 165). W. R. Marshall. NW¼NE¼ sec. 13, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	15.38	Apr. 25	8.84	July 26	9.06	Oct. 24	9.90
Feb. 25	14.69	May 22	8.17	Aug. 28	9.44	Nov. 27	10.72
Mar. 27	14.84	June 22	8.13	Sept.26	10.06	Dec. 22	10.86

2 (*777, pp. 63-64; *817, pp. 56-59; *840, pp. 91, 93-94; 845, p. 86; 886, p. 122; 908, p. 181; 938, p. 39; 946, p. 182; *988, p. 165). H. W. Klutas. SW¼SW¼ sec. 1, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	9.74	Apr. 25	6.40	July 26	8.33	Oct. 24	8.82
Feb. 25	9.60	May 22	7.37	Aug. 28	8.27	Nov. 27	9.22
Mar. 27	9.25	June 22	7.69	Sept.26	8.56	Dec. 22	9.19

20 (*840, pp. 92, 95; 845, pp. 87-88; 886, p. 124; 908, p. 181; 938, p. 40; 946, p. 182; *988, p. 165). SE¼SE¼ sec. 10, T. 65 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	24.53	Apr. 25	18.07	July 26	18.30	Oct. 24	20.58
Feb. 25	19.83	May 22	17.25	Aug. 28	18.39	Nov. 27	21.75
Mar. 27	20.52	June 22	15.25	Sept.26	20.10	Dec. 22	21.73

21 (*840, pp. 92, 95; 845, pp. 87-88; 886, p. 124; 908, p. 181; 938, p. 41; 946, p. 182; *988, p. 165). SW¼NW¼ sec. 11, T. 65 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	22.78	Apr. 25	16.17	July 26	15.65	Oct. 24	18.82
Feb. 25	22.80	May 22	12.37	Aug. 28	11.29	Nov. 27	19.96
Mar. 27	23.08	June 22	13.00	Sept.26	18.41	Dec. 22	19.99

22 (*840, pp. 92, 95; 845, pp. 87-88; 886, p. 125; 908, p. 182; 938, p. 41; 946, p. 182; *988, p. 165). J. A. McAllister. SE¼NE¼ sec. 35, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	13.00	Apr. 25	8.62	July 26	9.69	Oct. 24	10.30
Feb. 25	12.30	May 22	8.26	Aug. 28	9.86	Nov. 27	10.64
Mar. 27	11.52	June 22	8.56	Sept.26	10.38	Dec. 22	10.08

23 (*840, pp. 92, 95; 845, pp. 87-88; 886, p. 125; 938, p. 41; 946, p. 182; *988, p. 165). J. A. McAllister. NW¼NE¼ sec. 35, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	13.90	May 22	9.24	Aug. 28	10.56	Nov. 27	12.38
Feb. 25	13.50	June 22	8.53	Sept.26	10.90	Dec. 22	12.69
Apr. 25	11.63	July 26	9.67	Oct. 24	11.64		

24 (*840, pp. 92, 95; 886, p. 125; 908, p. 182; 938, p. 41; 946, p. 182; *988, p. 165). SE¼SE¼ sec. 26, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	4.70	Apr. 25	1.94	July 26	2.90	Oct. 24	3.12
Feb. 25	4.65	May 22	3.49	Aug. 28	3.12	Nov. 27	2.80
Mar. 27	4.60	June 22	2.86	Sept.26	2.90	Dec. 22	3.13

25 (*840, pp. 92, 95; 845, pp. 87-88; 886, p. 125; 908, p. 182; 938, p. 41; 946, p. 183; *988, p. 166). Edwin Rolf. SW¼SW¼ sec. 12, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	47.59	Apr. 25	41.07	July 26	39.70	Oct. 24	42.49
Feb. 25	43.21	May 22	37.80	Aug. 28	40.73	Nov. 27	43.87
Mar. 27	46.67	June 22	37.28	Sept.26	41.98	Dec. 22	43.02

27 (*840, pp. 92, 95; 845, pp. 87-88; 886, p. 126; 908, p. 182; 938, p. 41; 946, p. 183; *988, p. 166). Edwin Rolf. SW¼SW¼ sec. 12, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	43.45	Apr. 25	40.91	July 26	39.49	Oct. 24	41.13
Feb. 25	43.62	May 22	39.41	Aug. 28	40.46	Nov. 27	42.58
Mar. 27	43.30	June 22	38.80	Sept.26	40.87	Dec. 22	42.06

28 (*840, pp. 92, 95; 845, pp. 87-88; 886, p. 126; 908, p. 182; 938, p. 41; 946, p. 183; *988, p. 166). Edwin Rolf. SW¼SW¼ sec. 12, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	19.72	Apr. 25	9.44	July 26	14.61	Oct. 24	17.15
Feb. 25	19.80	May 22	7.67	Aug. 28	16.57	Nov. 27	18.09
Mar. 27	19.47	June 22	9.29	Sept.26	17.29	Dec. 22	17.59

29 (*840, pp. 92, 95-96; 845, pp. 88-89; 886, p. 126; 908, p. 182; 938, p. 41; 946, p. 183; *988, p. 166). Edwin Rolf. SW¼NW¼ sec. 12, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	13.19	Apr. 25	9.59	July 26	11.44	Oct. 24	12.55
Feb. 25	13.29	May 22	6.98	Aug. 28	12.57	Nov. 27	14.07
Mar. 27	8.15	June 22	7.70	Sept.26	12.20	Dec. 22	12.65

30 (*840, pp. 92, 95-96; 845, pp. 88-89; 886, p. 126; 908, p. 182; 938, p. 41; 946, p. 183; *988, p. 166). W. F. Marshall. NW¼NW¼ sec. 13, T. 66 N., R. 40 W. Well destroyed after July 26; measurements discontinued.

Water level, in feet below land-surface datum, 1944

Jan. 25	13.64	Mar. 27	12.39	May 22	8.07	July 26	8.98
Feb. 25	13.15	Apr. 25	6.97	June 22	7.80		

31 (*840, pp. 92, 95-96; 845, pp. 88-89; 886, p. 126; 908, p. 183; 938, p. 42; 946, p. 183; *988, p. 166). W. F. Marshall. NW¼NW¼ sec. 13, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	6.15	Apr. 25	2.49	July 26	2.89	Nov. 27	2.95
Feb. 25	6.54	May 22	2.73	Sept.26	2.90	Dec. 22	2.87
Mar. 27	5.04	June 22	2.61	Oct. 24	3.77		

32 (*840, pp. 92, 95-96; 845, pp. 88-89; 886, p. 127; 908, p. 183; 938, p. 42; 946, pp. 183-184; *988, p. 166). W. F. Marshall. NE¼NW¼ sec. 13, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Mar. 27	13.65	June 22	9.83	Sept.26	13.41	Nov. 27	14.47
Apr. 25	7.50	July 26	13.71	Oct. 24	13.17	Dec. 22	14.00
May 22	10.50	Aug. 28	13.49				

33 (*840, pp. 92, 95-96; 845, pp. 88-89; 886, p. 127; 908, p. 183; 938, p. 42; 946, p. 184; *988, p. 167). W. F. Marshall. NE¼NW¼ sec. 13, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	17.79	Apr. 25	13.84	July 26	16.63	Oct. 24	16.44
Feb. 25	17.55	May 22	14.85	Aug. 28	16.28	Nov. 27	16.92
Mar. 27	17.14	June 22	15.08	Sept.26	16.66	Dec. 22	16.86

34 (*840, pp. 92, 95-96; 845, pp. 88-89; 886, p. 127; 908, p. 183; 938, p. 42; 946, p. 184; *988, p. 167). W. F. Marshall. NW¼NE¼ sec. 13, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	10.45	Apr. 25	1.99	July 26	5.59	Oct. 24	5.15
Feb. 25	8.73	May 22	3.95	Aug. 28	4.60	Nov. 27	6.19
Mar. 27	7.08	June 22	3.20	Sept.26	4.76	Dec. 22	6.65

35 (*840, pp. 92, 95-96; 845, pp. 88-89; 886, p. 127; 908, p. 183; 938, p. 42; 946, p. 184; *988, p. 167). W. F. Marshall. NW¼NE¼ sec. 13, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	24.56	Apr. 25	14.56	July 26	17.12	Oct. 24	20.12
Feb. 25	22.20	May 22	11.34	Aug. 28	18.26	Nov. 27	20.12
Mar. 27	20.24	June 22	13.27	Sept.26	18.81	Dec. 22	21.55

36 (*840, pp. 92, 95-96; 845, pp. 88-89; 886, p. 127; 908, p. 183; 938, p. 42; 946, p. 184; *988, p. 167). George Rolf. NE¼NE¼ sec. 13, T. 66 N., R. 40 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	30.36	Apr. 25	30.88	July 26	22.84	Oct. 24	27.31
Feb. 25	30.87	May 22	25.58	Aug. 28	25.80	Nov. 27	28.06
Mar. 27	31.32	June 22	20.81	Sept.26	26.71	Dec. 22	28.22

Grundy County

US 113 (*946, p. 184; *988, p. 167). Wiley H. Estes. In Trenton, in sec. 17, T. 61 N., R. 24 W., on property of owner at 105 E. Fourth Street. Measurements made by owner.

Water level, in feet below land-surface datum, 1944

Jan. 1	6.86	Apr. 21	3.14	July 8	4.24	Sept.30	5.14
11	7.12	23	.50	15	4.58	Oct. 8	5.30
25	7.30	30	1.78	22	4.90	16	5.52
Feb. 1	7.32	May 6	1.74	30	5.08	21	5.58
7	7.36	13	2.42	Aug. 8	5.26	Nov. 8	5.60
24	7.24	21	3.14	12	5.32	12	5.66
Mar. 3	7.30	27	3.62	19	5.50	20	5.70
11	1.24	30	3.26	28	4.58	26	5.70
19	5.18	June 4	4.02	Sept. 3	4.52	Dec. 3	5.60
27	5.24	11	3.32	9	4.74	8	2.16
Apr. 4	5.08	17	3.26	18	4.94	18	2.62
9	5.10	24	3.76	23	5.08	27	3.42
18	3.24	July 2	4.06				

Phelps County

US 98 (*946, p. 185; *988, p. 167). S. V. Allen. NW¼SE¼ sec. 13, T. 37 N., R. 10 W.

Water level, in feet below land-surface datum, 1944

Jan. 1	8.64	Apr. 3	7.14	July 1	8.68	Oct. 2	9.56
Feb. 2	8.28	May 2	6.56	Aug. 1	9.22	Nov. 2	9.63
Mar. 2	6.49	June 1	7.03	Sept. 1	9.25	Dec. 2	9.59

US 98A (*946, p. 185; *988, p. 168). Fred Pillman. NE¼NE¼ sec. 24, T. 37 N., R. 10 W.

Water level, in feet below land-surface datum, 1944

Jan. 1	13.60	Apr. 3	8.65	July 1	12.22	Oct. 2	(a)
Feb. 2	13.27	May 2	6.62	Aug. 1	(a)	Dec. 2	(a)
Mar. 2	10.31	June 1	8.51	Sept. 1	(a)		

a Dry.

NEBRASKA

By H. A. Waite

PROGRAM OF WORK

The State-wide program of water-level measurements in observation wells, begun in 1934, in cooperation with the Conservation and Survey Division of the University of Nebraska, was continued in 1944. Records of water level in the wells and some interpretation of the fluctuations of the water levels are given in the annual reports of the Geological Survey on water levels and artesian pressure. The reports already published are Water-Supply Papers 777, 817, 840, 845, 886, 908, 938, 946 and 988.

Measurements of water levels made in 422 wells are given in the present report. Included in the group are 240 wells in the observation of which the following organizations are cooperating informally: Grand Island Water Department, 46 wells in Hall County and 2 wells in Merrick County; Fish and Wildlife Service, United States Department of the Interior, 9 wells in Garden County; Central Nebraska Public Power and Irrigation District, 1 well in Arthur County, 19 wells in Dawson County, 2 wells in Garden County, 23 wells in Gosper County, 65 wells in Keith County, 66 wells in Lincoln County, and 7 wells in Phelps County. The daily tape measurements for well 85 in Morrill County were furnished by the Nebraska Department of Roads and Irrigation.

Two wells, 600 and 601, were equipped with 8-day automatic water-stage recorders. Well 600, situated in the South Platte Valley, south of O'Fallons, is serviced each week by Warren Doolittle, of the Platte Valley Public Power and Irrigation District, and well 601, situated in the Middle Loup River Valley, southwest of Arcadia, is serviced each week by members of the district office of the Surface Water Division of the Geological Survey at Lincoln. The water-level records for each of these wells are given under the county in which the well is situated.

Tables are included showing the monthly and the average daily pumpage, over a period of years for the municipal supplies of Grand Island and Lincoln.

Monthly measurements of the water levels in eight key wells in Nebraska were continued during 1944. These wells were selected for observation in connection with the preparation of statements on water-level conditions in Nebraska that are prepared currently for the monthly Water Resources Review. Monthly measurements of the water level in one of the eight wells (Well 2-6600W or US 62), situated just west of the Lincoln City well field, near Ashalnd, are given under Saunders County. This well is measured by personnel of the Ashland pumping station. In all, 2,891 individual measurements of water level were made in Nebraska in 1944.

FLUCTUATIONS OF WATER LEVEL

The precipitation in Nebraska in 1944 was 27.38 inches, which is 4.82 inches above normal and 10.20 inches above the precipitation in 1943. As a result, the water levels in many of the observation wells had net rises for the year.

Water levels in the vicinity of Grand Island rose, in general, during 1944 as a result of an increase in precipitation. The precipitation for the year at Grand Island was 31.63 inches, which is 5.97 inches above normal, and 17.74 inches more than in 1943. The precipitation was above normal for 8 of the 12 months during 1944. As a result, the water levels in 42 wells showed net rises during the year ranging from 0.28 foot to 5.31 feet and averaging 2.46 feet; in 3 wells the water levels showed the following net declines during the year: 0.25 foot, 0.33 foot, and 3.11 feet, an average of 1.23 feet.

The two following tables give, for each observation well in the State, the highest and the lowest water levels of record and the difference between them, the length of record, and the net changes in water level in 1944, and the net change during the period of record.

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Highest and lowest recorded water levels, in feet below land-surface datum, in observation wells in Nebraska

Well	Highest level	Date	Lowest level	Date
		Antelope County		
202	3.31	Mar. 24, May 30, 1936	7.88	Sept.12, 1935
		Arthur County		
250	29.48	Dec. 4, 1934	31.36	July 26, 1940
N31	2.31	May 7, 1942	6.32	Aug. 29, 1940
		Blaine County		
211	2.49	June 8, 1935	5.17	Aug. 10, 1937
		Box Butte County		
129	102.87	Jan. 5, 1935	103.41	Oct. 20, 1941
338	118.33	Aug. 16, 1944	119.41	Oct. 20, 1941
378	1.67	Mar. 27, 1936	4.08	July 20, 1940
473	12.72	Aug. 17, 1944	15.40	July 22, 1940
474	49.84	Aug. 16, 1944	52.02	July 2, 1938
475	77.78	Aug. 16, 1944	78.26	Sept.20, 1938
476	97.61	July 22, 1940	98.97	June 23, 1938
477	87.52	July 22, 1940	88.54	Oct. 21, 1941
478	95.49	July 22, 1940	96.00	Oct. 21, 1941
479	73.60	June 23, 1938	74.17	Oct. 21, 1941
481	174.20	Nov. 14, 1942	174.82	Aug. 10, 1938
482	85.20	Aug. 16, 1944	86.40	Mar. 30, 1940
483	21.46	Aug. 16, 1944	29.94	Nov. 2, 1940
		Brown County		
243	14.02	Aug. 1, 1944	18.87	Aug. 9, 1937
		Buffalo County		
263	7.63	June 20, 1932	12.65	Oct. 27, 1940
265	16.54	May 20, 1931	22.00	Nov. 9, 1942
267	16.62	June 20, 1932	23.05	Oct. 15, 1941
268	9.25	June 20, 27, 1932	15.68	Oct. 27, 1940
269	17.62	July 11, 1932	22.11	Nov. 24, 1939
270	22.55	June 9, 1931	28.53	Oct. 15, 1941
272	25.16	May 22, 29, 1933	29.96	Oct. 15, 1941
274	1.59	Apr. 25, 1933	6.92	Oct. 29, 1936
278	6.58	Apr. 15, 1944	11.90	Nov. 3, 1934
		Burt County		
64	8.82	Oct. 27, 1944	12.34	Oct. 26, 1942
402	.63	July 9, 1938	8.76	Nov. 22, 1939
		Cass County		
16	40.08	May 20, 1936	43.05	Oct. 15, 1940
		Chase County		
152	68.80	Aug. 21, 1935	70.92	Nov. 19, 1942
153	62.67	Dec. 9, 1944	63.92	Aug. 21, 1935

Highest and lowest recorded water levels, in feet below land-surface datum, in observation wells in Nebraska--Continued

Well	Highest level	Date	Lowest level	Date
		Cherry County		
115	98.02	Aug. 25, 1934	100.39	Oct. 19, 1941
116	2.91	June 15, 1942	6.38	Sept.12, 1936
256	4.46	June 6, 1935	9.54	Oct. 1, 1941
312	59.50	Oct. 15, 1937	64.25	Dec. 15, 1944
399	1.88	Mar. 29, 1940	3.38	Aug. 9, 1937
431	6.19	Aug. 1, 1944	8.14	Aug. 9, 1937
		Cheyenne County		
91	29.16	July 18, 1935	32.97	Nov. 17, 1944
444A	19.53	Nov. 17, 1942	20.16	Oct. 25, 1941
		Cuming County		
69	4.86	May 27, 1935	8.93	Oct. 10, 1941
		Dawes County		
123	16.79	Aug. 22, 1942	21.51	Aug. 27, 1934
396	19.05	June 16, 1937	19.71	Nov. 1, 1940
		Dawson County		
280	7.58	Apr. 7, 1931	13.32	Oct. 16, 1937
281	23.83	Oct. 27, 1930	33.28	July 24, 1940
282	7.00	May 4, 1931	11.88	Sept.21, 1934
283	5.63	Apr. 6, 1931	12.55	Sept.21, 1934
284	6.22	Apr. 13, 1931	13.44	Sept.21, 1934
285	4.96	June 12, 1935	12.84	Sept.21, 1934
286	10.07	Oct. 27, 1930	17.27	Sept.21, 1934
287	11.88	July 20, 1931	18.80	July 24, 1940
288	11.68	May 25, 1931	18.81	July 24, 1940
289	4.38	Apr. 6, 1931	11.64	Aug. 21, 1934
290	4.57	May 11, 1931	12.35	Aug. 21, 1934
291	1.67	June 12, 1935	8.98	Aug. 21, 1934
292	3.29	June 12, 1935	9.27	Sept.21, 1934
293	2.89	Apr. 30, 1944	7.92	Aug. 21, 1934
294	1.97	Apr. 30, 1944	7.45	Aug. 21, 1934
295	5.36	Apr. 30, 1944	8.99	Aug. 21, 1934
296	4.23	June 19, 1932	7.14	Oct. 22, 1941
297	2.50	Apr. 30, 1944	7.24	Aug. 14, 1934
298	2.74	May 9, 1933	6.48	Sept.21, 1934
299	1.88	Feb. 25, 1932	5.55	Nov. 14, 1934
300	a +1.23	Feb. 25, 1932	2.75	Aug. 10, 1937
301	.95	Feb. 25, 1932	5.86	Sept.16, 1936
302	2.83	Feb. 25, 1932	7.62	Nov. 14, 1934
303	.10	May 3, 1933	5.21	Sept.30, 1940
304	4.82	Feb. 25, 1932	9.20	Sept.30, 1940
305	13.99	Apr. 30, 1944	19.54	Nov. 2, 1940
306	11.32	June 11, 30, 1944	22.90	July 24, 1940
308	10.00	Oct. 20, 1930	17.98	Aug. 21, 1934
314	9.82	June 18, 1935	13.19	Aug. 10, 1937
318	3.94	Nov. 7, 1943	16.19	Oct. 1, 1940
U44	6.92	June 23, 1944	14.30	Oct. 2, 1939
U45	7.74	June 23, 1944	13.78	Sept. 5, 1939
U48	5.34	Aug. 14, 1944	19.78	May 1, 1941
U49	1.03	Apr. 7, 1939	5.04	Aug. 4, 1939
U51	6.32	Apr. 5, 1944	9.57	Oct. 3, 1939
U52	4.08	Mar. 2, 1939	7.17	Oct. 1, 1940
U53	1.58	May 12, 1944	5.30	Aug. 30, 1940
U54	5.12	Dec. 6, 1944	9.96	Nov. 4, 1940
U55	3.64	May 12, 1944	6.75	Oct. 1, 1940

a Above land-surface datum.

Highest and lowest recorded water levels, in feet below land-surface datum, in observation wells in Nebraska--Continued

Well	Highest level	Date	Lowest level	Date
		Dawson County--Continued		
U56	10.14	Mar. 9, 1944	16.22	Aug. 30, 1940
U57	4.24	May 12, 1944	9.04	Sept.30, 1940
U58	7.82	May 12, 1944	15.62	Aug. 7, 1943
U59	7.70	Nov. 17, 1944	17.28	Nov. 2, 1940
U60	10.19	May 12, 1944	15.49	Aug. 29, 1940
U61	9.53	Nov. 17, 1944	19.82	Nov. 5, 1940
U62	9.75	May 5, 1939	14.38	Mar. 5, 1940
U63	6.82	Apr. 6, 1939	10.16	Dec. 5, 1939
U64	2.84	Apr. 6, 1939	6.84	Nov. 2, 1940
U73	30.66	Nov. 17, 1944	52.93	Aug. 29, 1940
		Deuel County		
94	7.40	Apr. 8, 1937	12.17	Aug. 31, 1936
		Dodge County		
31	5.80	Oct. 27, 1944	10.70	Oct. 20, 1936
401	6.76	July 9, 1940	9.33	Oct. 18, 1940
420	2.47	Oct. 31, 1942	9.65	Mar. 22, 1937
455	2.43	Mar. 20, 1940	5.37	Oct. 22, 1940
456	3.66	Oct. 26, 1944	7.29	Feb. 21, 1940
457	3.40	Oct. 26, 1944	8.14	Feb. 3, 1940
459	8.64	Oct. 26, 1944	14.19	Oct. 22, 1940
460	10.16	Oct. 26, 1944	16.88	Mar. 20, 1940
461	9.03	Oct. 26, 1944	14.29	Oct. 22, 1940
462	7.81	Oct. 26, 1944	13.33	Feb. 3, 1940
463	6.72	Oct. 26, 1944	11.06	Feb. 21, 1940
464	5.45	Oct. 26, 1944	12.21	Feb. 3, 1940
467	23.63	Oct. 8, 1941	31.92	Feb. 3, 1940
468	60.86	Oct. 8, 1941	68.72	Mar. 20, 1940
		Douglas County		
24	6.08	Mar. 20, 1940	9.35	July 24, 1934
		Dundy County		
361	28.79	Mar. 4, 1943	30.63	Sept.19, 1936
380	4.42	June 12, 1936	6.01	Sept. 8, 1943
445	7.89	Oct. 28, 1941	9.74	Oct. 28, 1938
		Franklin County		
156	27.65	Dec. 9, 1944	29.28	Aug. 21, 1936
		Furnas County		
145	18.20	June 13, 1936	20.59	Nov. 12, 1940
395	28.99	June 13, 1936	30.89	Sept.13, 1943
		Gage County		
230	69.99	Oct. 23, 1942	73.48	Nov. 14, 1939
231	48.13	Oct. 30, 1944	48.99	Aug. 5, 1940 Oct. 16, 1940

Highest and lowest recorded water levels, in feet below land-surface datum, in observation wells in Nebraska--Continued

Well	Highest level	Date	Lowest level	Date
		Garden County		
3	3.16	May 4, 1934	7.18	Nov 5,23, 1937
4	.44	Feb. 12, 1934	4.84	Aug. 20, 1937
5	2.48	June 6, 1935	6.66	July 29, 1934
12	3.30	July 24, 1935	7.87	Nov. 30, 1938
17	3.78	May 23, 1935	6.64	Oct. 9, 1937
21	2.00	June 6, 1935	5.12	Sept.29, 1939
25	2.09	June 20, 1935	5.86	Apr. 2, 1938
27	4.30	Oct. 21, 1934	8.04	Jan. 13, 1938 Dec. 15, 1939
218	1.97	Apr. 25, 1935	5.95	July 26, 1940
326	20.83	Oct. 25, 1935	27.30	July 26, 1940
S11	16.75	June 10, 1941	19.89	Oct. 6, 1944
S13	16.19	July 13, 1944	21.45	June 1, 1937
		Gosper County		
1	3.14	May 2, 1940	6.65	Mar. 5, 1940
2	3.09	Aug. 7, 1943	5.98	Oct. 3, 1939
3	8.36	Mar. 6, 1942	12.30	Nov. 1, 1937
4	4.99	June 4, 1942	9.11	July 27, 1940
307	13.16	May 12, 1944	24.18	Nov. 5, 1940
U76	165.25	Nov. 17, 1944	223.87	Jan. 3, 1941
U81	8.83	Sept.14, 1943	16.40	Sept.30, 1940
U82	23.56	Aug. 9, 1943	31.96	Sept.30, 1940
U83	24.19	Sept.30, 1940	32.56	Nov. 2, 1940
U84	42.42	Oct. 25, 1944	50.83	Sept.30, 1940
U85	26.68	Nov. 17, 1944	34.74	Sept.30, 1940
U86	19.53	Aug. 7, 1943	28.10	Sept.30, 1940
U87	13.39	Aug. 7, 1943	21.62	Sept.30, 1940
U88	9.20	July 21, 1942	15.76	Sept.30, 1940
U89	3.01	June 4, 1942	10.18	Sept.30, 1940
U90	2.25	Sept.15, 1942	10.48	Sept.30, 1940
U92	5.51	Oct. 2, 1942	13.97	Sept.30, 1940
U93	7.83	Oct. 2, 1942	15.63	Sept.30, 1940
U95	31.26	May 12, 1944	34.07	Oct. 6, 1941
U96	2.97	Oct. 2, 1942	9.52	Sept.30, 1940
U97	7.95	Aug. 4, 1942	12.72	Nov. 2, 1940
U98	9.36	Aug. 4, 1942	13.27	Nov. 2, 1940
U99	15.57	May 12, 1944	17.96	Sept. 2, 1941
		Grant County		
216	12.32	June 8, 1935	14.10	July 22, 1940
		Hall County		
245	1.40	June 6, 1931	8.82	Dec. 24, 1940
246	19.52	June 20, 1932	38.35	July 18, 1934
247	19.92	Oct. 19, 21, 1930	38.82	July 31, 1933
248	15.92	July 11, 1932	28.15	Aug. 11, 1931
249	29.04	May 20, 1931	38.60	July 18, 1934
258	15.67	June 23, 30, 1931	34.70	Aug. 4, 1931
259	2.47	May 6, 1931	20.60	Aug. 20, 1936
260	18.83	June 27, 1932	26.72	July 22, 1931
GI202	5.20	July 7, 1944	9.05	Dec. 24, 1940
GI203	9.00	July 7, 1944	12.80	Dec. 24, 1940
GI204	9.46	July 7, 1944	12.80	Dec. 24, 1940
GI207	12.55	Dec. 20, 1935	17.63	Nov. 2, 1940
GI208	11.42	Jan. 28, 1942	19.05	Feb. 5, 1941
GI209	12.90	Mar. 13, 1936	16.70	July 27, 1940
GI210	16.48	Oct. 9, 1944	23.25	Aug. 28, 1941

Highest and lowest recorded water levels, in feet below land-surface datum, in observation wells in Nebraska--Continued

Well	Highest level	Date	Lowest level	Date
		Hall County--Continued		
GI211	13.90	Jan. 25, 1936	18.90	Aug. 28, 1941
GI212	19.33	Dec. 18, 1944	25.50	July 27, 1940
GI214	15.20	June 12, 1936	24.25	July 27, 1940
				Apr. 18, 1941
GI215	20.22	Oct. 9, 1944	26.15	Feb. 5, 1941
				Aug. 28, 1941
GI216	27.35	Mar. 27, 1936	33.65	Nov. 2, 1940
GI217	27.42	Dec. 18, 1944	33.70	Dec. 24, 1940
GI219	4.60	July 10, 1944	8.40	Feb. 13, 1937
GI220	3.83	July 7, 1944	9.00	Dec. 24, 1940
GI221	28.50	Feb. 29, 1936	35.40	July 19, 1941
GI222	25.90	Feb. 28, 1936	31.40	July 19, 1941
GI223	6.04	May 29, 1944	17.45	Nov. 2, 1940
GI224	8.14	May 29, 1944	18.66	May 21, 1943
GI225	6.06	July 7, 1944	11.00	Dec. 24, 1940
GI226	31.50	Feb. 29, 1936	41.95	Aug. 28, 1941
GI227	29.50	Oct. 9, 1944	36.62	Nov. 2, 1940
GI229	31.58	Dec. 18, 1944	42.45	Nov. 2, 1940
GI230	28.43	Dec. 18, 1944	35.65	Feb. 5, 1941
GI231	31.25	Mar. 27, 1936	37.34	Nov. 2, 1940
GI232	15.16	Aug. 7, 1944	21.25	Feb. 5, 1941
GI233	18.01	Oct. 9, 1944	26.35	Feb. 5, 1941
GI234	20.00	Oct. 9, 1944	33.75	Nov. 2, 1940
GI237	28.50	Dec. 18, 1944	33.15	Feb. 5, 1941
GI238	28.30	Mar. 27, 1936	36.27	May 29, 1944
GI239	6.95	May 12, 1936	10.42	July 17, 1942
GI240	2.56	July 7, 1944	8.75	Dec. 6, 1942
GI241	6.15	Mar. 31, 1936	15.60	Feb. 26, 1944
		May 2, 1936		
GI242	19.60	Dec. 2, 1935	26.00	Dec. 24, 1940
GI243	1.90	May 29, 1938	6.05	Oct. 17, 1936
GI244	2.54	July 7, 1944	7.30	Dec. 24, 1940
GI246	2.50	July 7, 1944	7.15	Dec. 24, 1940
GI247	2.50	July 7, 1944	6.10	Dec. 24, 1940
GI248	1.95	May 29, 1938	6.70	Dec. 24, 1940
GI249	2.46	July 7, 1944	6.55	Dec. 24, 1940
GI250	1.90	May 29, 1938	6.35	Dec. 24, 1940
GI251	7.72	July 7, 1944	12.00	Dec. 24, 1940
GI252	7.30	Dec. 15, 1935	12.40	Dec. 24, 1940
				Mar. 26, 1941
GI253	10.33	Sept.11, 1944	15.75	Mar. 26, 1941
GI254	14.42	Sept.11, 1944	19.95	Dec. 24, 1940
GI255	5.64	July 7, 1944	17.70	Dec. 28, 1935
		Hamilton County		
158	89.06	Jan. 24, 1935	93.99	Jan. 21, 1941
160	52.93	Aug. 14, 1937	58.33	Oct. 25, 1944
173	39.50	June 27, 1934	44.29	Nov. 14, 1940
330	6.85	June 30, 1935	11.41	Nov. 14, 1940
		Harlan County		
155	11.15	Sept.26, 1935	14.42	Sept.27, 1934
		Hayes County		
141	43.07	Nov. 23, 1942	45.01	July 30, 1940
446	7.64	Apr. 9, 1937	14.44	Sept.11, 1943

Highest and lowest recorded water levels, in feet below land-surface datum, in observation wells in Nebraska--Continued

Well	Highest level	Date	Lowest level	Date
		Hitchcock County		
178A	9.86	Mar. 4, 1943	10.66	Sept. 9, 1943
178B	12.18	Mar. 4, 1943	12.99	Sept. 9, 1943
362	9.59	June 4, 1943	11.33	Dec. 9, 1939
		Holt County		
203	4.00	June 4, 1935	9.77	Sept.14, 1936
428	4.70	May 29, 1944	8.96	Oct. 30, 1940
		Hooker County		
214	.19	June 8, 1935	18.94	Aug. 17, 1944
		Howard County		
46	5.91	July 18, 1944	7.89	Nov. 6, 1936
51	18.91	July 8, 1934	22.09	Oct. 26, 1940
		Jefferson County		
226	11.84	Sept.13, 1944	21.92	Nov. 1, 1941
		Johnson County		
2	33.01	July 14, 1934	36.03	Oct. 24, 1944
		Kearney County		
266	7.31	June 20, 1932	21.60	Aug. 29, 1934
		Keith County		
93	6.90	May 8, 1942	15.29	Sept.17, 1936
255	10.56	Oct. 26, 1938	12.82	July 26, 1940
350	10.55	May 8, 1942	15.31	Nov. 17, 1940
358	40.01	Oct. 27, 1935	43.42	Oct. 25, 1941
E1	4.47	Apr. 3, 1939	9.30	Dec. 2, 1941
E2	4.40	Apr. 3, 1939	10.08	July 24, 1940
E3	6.17	Apr. 3, 1939	10.31	July 24, 1940
E6	4.30	Mar. 2, 1942	8.35	Aug. 28, 1940
E7	2.61	Apr. 7, 1939	5.24	Aug. 28, 1940
E8	3.04	Oct. 6, 1942	7.56	Sept.30, 1940
E9	2.60	June 6, 1941	5.79	Aug. 28, 1940
E11	3.08	June 2, 1939	6.09	Sept.30, 1940 Nov. 1, 1940
E12	3.37	Apr. 5, 1939	6.73	Aug. 28, 1940
E13	2.52	Apr. 5, 1939	6.59	Aug. 3, 1943
E14	3.98	Apr. 5, 1939	8.96	Aug. 28, 1940
E15	1.55	Apr. 5, 1939	7.40	Oct. 13, 1944
E16	5.20	Apr. 5, 1939	9.24	Aug. 30, 1940
E17	2.78	Mar. 2, 1942	6.43	Aug. 30, 1940
E18	3.94	Sept.10, 1938	6.42	Aug. 30, 1940
E19	2.47	Feb. 27, 1939	5.79	Nov. 5, 1941
E20	2.96	July 10, 1943	4.94	May 1, 1940
E21	2.83	Sept. 7, 1942	6.34	Aug. 30, 1940
E37	4.61	May 8, 1942	10.25	Sept.27, 1940
N4	16.40	Aug. 13, 1936	19.26	Dec. 2, 1941
N5	7.36	May 31, 1938	10.40	Dec. 2, 1941
N6	.88	June 30, 1938	5.05	Oct. 3, 1941 Dec. 2, 1941
N7	4.94	May 31, 1938	10.32	Oct. 3, 1941

Highest and lowest recorded water levels, in feet below land-surface datum, in observation wells in Nebraska--Continued

Well	Highest level	Date	Lowest level	Date
		Keith County--Continued		
N8	a +0.26	May 31, 1938	2.50	July 16, 1936
N9	10.25	May 4, 1942	13.76	Aug. 28, 1940
N10	8.37	May 31, 1937	11.00	Sept. 4, 1941
N11	13.16	Aug. 6, 1942	15.58	Mar. 30, 1942
N12	7.63	May 4, 1942	10.24	Nov. 5, 1943
N13	5.11	May 4, 1942	8.63	Apr. 12, 1941
N14	8.58	Sept.29, 1938	11.48	Aug. 28, 1940
N15	3.02	May 4, 1942	6.39	July 24, 1940
N16	4.02	Sept.11, 1944	12.38	Sept.30, 1940
N17	3.39	Aug. 3, 1943	9.32	Mar. 30, 1942
N18	19.35	Oct. 5, 1944	34.29	Sept. 4, 1941
N19	9.79	Apr. 13, 1939	11.85	Dec. 1, 1937
N20	7.68	May 4, 1938	10.56	Oct. 5, 1944
N23	b 1.64	June 6, 1944	18.78	Mar. 27, 1940
N24	6.02	June 1, 1938	8.95	Sept. 2, 1941
N25	22.90	June 1, 1938	35.84	May 7, 1942
N26	7.90	July 30, 1936	10.90	Feb. 2, 26, 1942
N27	8.49	June 1, 1943	12.40	Feb. 2, 1942
N28	8.44	Feb. 2, 1937	10.52	Apr. 30, 1942
N30	5.87	Aug. 7, 1942	9.80	Feb. 4, 1941
N32	10.25	Aug. 7, 1942	12.69	Feb. 13, 1940
N33	10.22	May 7, 1942	12.78	Oct. 1, 1941
N37	10.44	May 2, 1941	20.46	Sept.30, 1936
N40	10.08	Feb. 29, 1940	12.95	Aug. 29, 1940
N41	54.91	Oct. 5, 1944	83.36	Mar. 3, 1942
N42	50.69	Oct. 5, 1944	95.17	Nov. 28, 1940
S10	13.40	Aug. 9, 1944	23.11	Nov. 2, 1937
S16	185.32	Oct. 13, 1944	188.45	May 3, 1937
S18	156.92	Oct. 13, 1944	163.38	Oct. 3, 1941
S19	150.45	Sept.14, 1944	166.90	Oct. 6, 1942
S20	174.70	Sept.14, 1944	182.62	Apr. 2, 1937
S21	101.59	Mar. 17, 1943	105.80	July 25, 1940
S22	89.29	Oct. 6, 1944	108.45	Mar. 3, 1941
S23	105.10	Sept.14, 1944	109.49	Mar. 3, 1941
S24	70.72	Nov. 1, 1938	73.96	Dec. 1, 1941
S25	1.48	Aug. 12, 1942	7.41	Oct. 31, 1940
S26	9.27	May 8, 1942	15.79	Aug. 2, 1943
S27	8.04	May 8, 1942	13.85	Aug. 2, 1943
S28	2.03	May 8, 1942	6.32	Aug. 2, 1943
S29	9.94	May 8, 1942	14.63	Sept.16, 1944
S32	19.81	July 7, 1943	58.09	Jan. 2, 1941 Feb. 4, 1941 July 3, 1941
S34	34.01	July 8, 1943	60.07	Oct. 31, 1940
		Kimball County		
88	33.67	June 15, 1935	35.04	July 28, 1940
		Lancaster County		
14	17.33	Mar. 19, 1936	22.33	Oct. 15, 1940
		Lincoln County		
134	270.91	Nov. 23, 1942	271.98	Nov. 23, 1934
144	147.01	Jan. 4, 1936	148.57	Jan. 22, 1941
241	2.98	July 2, 1935	7.07	Aug. 30, 1941
242	11.61	May 13, 1943	19.92	Sept.17, 1936

a Above land-surface datum.
b Well flooded from July through December 1944.

Highest and lowest recorded water levels, in feet below land-surface datum, in observation wells in Nebraska--Continued

Well	Highest level	Date	Lowest level	Date
		Lincoln County--Continued		
405	1.31	Feb. 28, 1941	4.60	Aug. 30, 1940
600	3.10	May 18, 1944	5.42	Sept.28-Oct.2, 1943
E22	2.57	Oct. 6, 1941	5.74	Sept. 3, 1941
E23	2.15	Sept. 7, 1942	5.48	Aug. 30, 1940
E24	1.04	Feb. 3, 1941	3.82	July 26, 1940
E25	.37	Sept. 7, 1942	4.70	Aug. 30, 1940
E26	8.16	Sept.10, 1942	10.77	Dec. 30, 1940
E27	6.87	Sept.10, 1942	11.01	Aug. 30, 1940
E28	1.94	Aug. 8, 1942	7.16	Mar. 19, 1943
E29	2.20	Sept.16, 1944	6.84	May 7, 1941
E30	2.62	May 8, 1942	6.00	Aug. 2, 1939
E31	2.53	May 8, 1942	5.69	Aug. 2, 1939
E32	2.02	May 8, 1942	4.27	Aug. 6, 1939
E33	a +.28	May 8, 1942	3.34	Aug. 30, 1940
E34	1.57	May 8, 1942	4.25	Aug. 2, 1939
E35	3.77	May 8, 1942 Sept.10, 1943	6.27	Nov. 6, 1939
E36	1.94	May 8, 1942	6.11	July 26, 1940
E38	9.57	May 8, 1942	13.37	Sept.27, 1940
E39	3.49	May 8, 1942	7.40	Sept.27, 1940
U3	1.88	May 11, 1944	5.67	July 26, 1940
U4	2.41	Dec. 3, 1937	6.92	Sept. 1, 1939
U5	1.03	May 5, 1937	4.72	July 26, 1940
U6	1.42	Feb. 2, 1937	5.04	July 7, 1943
U7	2.40	May 8, 1942	5.70	Sept.14, 1944
U8	1.56	May 8, 1942	6.24	Sept.14, 1944
U9	.65	May 1, 1942	7.28	Sept.15, 1936
U10	2.42	May 11, 1942	10.57	Aug. 28, 1936
U11	1.37	Apr. 6, 1939	6.35	Nov. 1, 1939 Dec. 4, 1942
U12	9.09	Sept.11, 1942	15.98	Aug. 2, 1937
U13	1.86	Apr. 30, 1941	8.74	Aug. 3, 1939
U15	1.57	May 11, 1942	5.45	Aug. 15, 1936
U16	4.60	Feb. 2, 1938	7.05	July 26, 1940
U17	2.14	May 8, 1942	5.31	July 26, 1940
U18	2.98	May 8, 1942	6.45	Oct. 2, 1939
U19	3.28	May 8, 1942	7.08	Oct. 2, 1939
U20	.85	Apr. 30, 1941	4.60	Sept. 5, 1939
U21	8.95	Sept.11, 1942	14.61	Oct. 1, 1940
U22	4.60	July 30, 1941	10.84	Aug. 3, 1939
U23	5.18	Dec. 20, 1944	10.48	Nov. 1, 1939
U24	3.05	Apr. 7, 1939	6.86	Nov. 22, 1944
U25	3.85	Mar. 3, 1939	6.46	Sept.30, 1940
U26	3.28	Apr. 7, 1939	6.31	Aug. 30, 1941
U27	1.05	May 1, 1942	6.48	Aug. 29, 1940
U28	2.78	May 1, 1942	6.62	Sept. 6, 1939
U29	.75	May 1, 1942	4.33	Aug. 29, 1940
U30	2.45	May 1, 1942	5.07	Sept. 6, 1939
U31	1.74	Sept.11, 1942	7.36	Nov. 1, 1939
U32	12.06	Mar. 4, 1943	16.85	Oct. 1, 1940
U33	28.58	Dec. 20, 1944	37.43	Oct. 1, 1940
U34	14.42	Dec. 20, 1944	18.68	Oct. 1, 1940
U35	1.74	Apr. 4, 1944	10.65	Nov. 1, 1939
U36	1.40	May 1, 1942	5.13	Aug. 4, 1939
U37	2.53	Feb. 2, 1943	7.87	Aug. 29, 1940
U38	5.92	Dec. 20, 1944	14.07	Oct. 2, 1939
U39	3.02	July 1, 1941	9.02	Oct. 2, 1939
U40	9.58	Nov. 10, 1944	21.62	Apr. 6, 1939
U41	6.06	Aug. 3, 1942	16.19	July 29, 1940
U42	8.88	Sept.20, 1944	21.38	Oct. 2, 1939

a Above land-surface datum.

Highest and lowest recorded water levels, in feet below land-surface datum, in observation wells in Nebraska--Continued

Well	Highest level	Date	Lowest level	Date
U43	25.87	Sept.20, 1944	42.36	June 5, 1939
U46	1.90	June 14, 1943	5.47	Sept. 5, 1939
U77	22.74	Sept.20, 1944	31.65	Nov. 4, 1940
U78	19.73	Sept.20, 1944	27.86	Nov. 4, 1940
U79	16.62	June 14, 1943	25.02	Oct. 1, 1940
U80	24.90	Dec. 20, 1944	31.05	Oct. 1, 1940
JS1	25.64	Sept.20, 1944	38.90	Nov. 1, 1939
JS2	16.95	May 18, 1944	26.96	Nov. 1, 1939
JS3	21.91	Sept.20, 1944	33.66	Oct. 2, 1939
JS4	14.42	June 14, 1943	23.40	Oct. 2, 1939
		Madison County		
108	2.89	June 4, 1935	6.55	Aug. 10, 1935
109	2.93	June 4, 1935	4.86	July 16, 1936
110	.04	Aug. 5, 1935	3.25	Aug. 18, 1936
		Merrick County		
42	6.34	July 8, 1935	9.84	Nov. 1, 1934
50	5.20	July 8, 1935	9.60	July 14, 1940
GI200	3.23	July 7, 1944	7.10	Feb. 26, 1944
GI201	6.16	July 7, 1944	11.20	Dec. 24, 1940
		Morrill County		
84	81.42	Apr. 5, 1940	82.46	Aug. 29, 1934
85	2.00	May 14, 1942	5.42	Aug.16-21,1940
97	13.18	Nov. 16, 1944	14.49	July 26, 1940
		Nemaha County		
11	10.42	Oct. 24, 1944	20.56	July 6, 1940
		Otoe County		
8A	4.85	Oct. 24, 1944	9.73	July 6, 1940
9	5.54	Oct. 24, 1944	14.12	Nov. 17, 1939
10	16.90	Oct. 24, 1944	25.06	Oct. 17, 1940
		Pawnee County		
4	10.84	Oct. 24, 1944	28.56	Oct. 6, 1937
		Phelps County		
5	6.90	May 12, 1944	12.22	Nov. 1, 1937
6	10.45	May 12, 1944	16.25	Nov. 1, 1937
7	6.53	June 15, 1938	12.67	July 2, 1940
8	2.10	June 4, 1942	7.42	Sept.30, 1940
9	4.39	Nov. 17, 1944	11.01	Sept.30, 1940
10	8.23	May 12, 1944	13.90	Sept.30, 1940
11	5.01	June 4, 1942	9.19	Nov. 2, 1940
275	7.75	May 9, 1933	12.23	Oct. 27, 1940
		Platte County		
41	6.79	July 5, 1935	11.79	Nov. 21, 1939
US150	60.80	Mar. 27, 1940 Apr. 24, 1940	71.23	July 30, 1937
		Redwillow County		
137	11.63	July 20, 1935	13.49	Oct. 21, 1937
139	18.37	June 21, 1935	21.40	Sept.18, 1936
494	5.29	Mar. 11, 1943	8.91	Sept.17, 1943

Highest and lowest recorded water levels, in feet below land-surface datum, in observation wells in Nebraska--Continued

Well	Highest level	Date	Lowest level	Date
		Richardson County		
5	21.27	May 19, 1936	31.73	Oct. 22, 1934
7	3.35	July 1, 1935	18.73	Oct. 22, 1934
408	4.83	May 19, 1936	15.80	Aug. 19, 1940
410	4.83	Oct. 24, 1944	11.33	Aug. 19, 1940
416	2.99	Oct. 24, 1944	18.03	Oct. 29, 1940
419	1.71	Oct. 24, 1944	7.61	Aug. 19, 1940
		Rock County		
117	1.97	May 1, 1942	5.47	Nov. 22, 1935
198	.51	June 5, 1935	5.56	Sept.13, 1936
		Saline County		
194	20.73	Sept.14, 1944	27.48	Dec. 19, 1936 June 29, 1937
341	49.17	Oct. 1, 1935	52.88	Oct. 16, 1940
		Saunders County		
19	8.55	Oct. 27, 1944	12.57	July 26, 1934
21	1.66	Mar. 17, 1936	8.42	Oct. 7, 1937
22	4.74	Mar. 19, 1940	12.48	Oct. 15, 1940
331	3.89	Mar. 17, 1936	14.49	Oct. 15, 1940
2-6600W	1.50	Apr. 28, 1944	7.92	Aug. 30, 1934
		Scotts Bluff County		
438	6.13	June 24, 1937	8.82	Apr. 5, 1940
439	8.69	Nov. 8, 1940	9.58	Oct. 27, 1938
440	3.10	June 24, 1937	4.14	Nov. 8, 1940
442	3.69	Nov. 15, 1942	8.45	Apr. 7, 1937
		Sheridan County		
217	7.23	June 24, 1938	9.37	Oct. 21, 1941
376	2.68	Apr. 1, 1937	5.24	Sept.12, 1936
		Sherman County		
58	5.00	Nov. 12, 1942	8.14	Sept.15, 1936
		Thayer County		
166	104.93	Sept.14, 1944	105.91	Nov. 1, 1941
		Thomas County		
212	9.79	June 8, 1935	10.98	July 23, 1940
213	2.33	Mar. 27, 1936	3.07	Aug. 15, 1935
		Valley County		
601	3.01	May 3, 1944	6.21	July 25, 1944
		Washington County		
32	4.63	Oct. 27, 1944	10.52	Dec. 18, 1935
332	23.73	Oct. 27, 1944	30.91	Oct. 18, 1940
		York County		
167	61.00	Aug. 26, 1935	62.96	Jan. 21, 1941

Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska

Well	Length of record (years)	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944	Net rise (+) or net decline (-) for period of record
		Antelope County		
202	10	4.57	.....	-2.56
		Arthur County		
250	11	1.88	.....	-1.75
N31	9	4.01	-1.24	-1.89
		Blaine County		
211	11	2.68	+.83	+.39
		Box Butte County		
129	11	.54	.....	-.33
338	10	1.08	.....	+.45
378	10	2.41	.....	-.54
473	7	2.68	.....	+2.28
474	7	2.18	.....	+1.44
475	7	.48	.....	+.21
476	4	1.36	.....	+.10
477	7	1.02	.....	+.03
478	7	.51	.....	+.03
479	7	.57	.....	-.08
481	7	.62	.....	+.06
482	7	1.20	.....	+.60
483	7	8.48	.....	+7.22
		Buffalo County		
263	15	5.02	.....	+.97
265	15	5.46	+.11	-2.75
267	15	6.43	+.07	-1.04
268	15	6.43	.....	-2.06
269	15	4.49	.....	-1.24
270	15	5.98	+.29	-1.82
272	11	4.80	.....	-2.41
274	15	5.33	.....	-2.04
278	14	5.32	.....	+4.30
		Burt County		
64	5	3.52	.....	+2.66
402	9	8.13	.....	-4.36
		Cass County		
16	11	2.97	.....	-.15
		Chase County		
152	11	2.12	.....	-1.26
153	11	1.25	.....	+.94
		Cherry County		
115	11	2.37	.....	-.67
116	9	3.47	.....	+1.58
256	11	5.08	.....	+.42

Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska--Continued

Well	Length of record (years)	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944	Net rise (+) or net decline (-) for period of record
		Cherry County--Continued		
312	11	4.75	+0.12	-4.41
399	9	1.50	.....	-.35
431	8	1.95	.....	+.56
		Cheyenne County		
91	11	3.81	.....	-2.70
444A	6	.63	.....	-.47
		Cuming County		
69	11	4.07	.....	-.80
		Dawes County		
123	11	4.72	+.37	+.15
396	10	.66	.....	+.07
		Dawson County		
280	15	5.74	....	+.81
281	15	9.45	+.12	-1.21
282	15	4.88	+.81	-1.37
283	15	6.92	+.29	-2.76
284	15	7.22	+.32	-2.51
285	15	7.88	+.28	-2.60
286	15	7.20	+.35	-3.26
287	15	6.92	+.38	-3.83
288	15	7.13	+.46	-3.46
289	15	7.26	+.53	-3.32
290	15	7.78	+.98	-3.01
291	15	7.31	+.52	-3.71
292	15	5.98	+.51	-2.69
293	15	5.03	....	-2.27
294	15	5.48	-.07	+.51
295	15	3.63	-.25	-.12
296	15	2.91	-.30	-2.06
297	15	4.74	-.36	-1.08
298	15	3.74	-.38	-1.50
299	15	3.67	-.33	-1.21
300	15	3.98	-.60	-1.86
301	15	4.91	-.09	-.78
302	15	4.79	-.07	-.78
303	15	5.11	-.04	-.65
304	15	4.38	+.20	-.34
305	15	5.55	+.77	+1.42
306	15	11.58	+1.37	+3.27
308	15	7.98	.....	-3.24
314	13	3.37	.....	-.27
318	14	12.25	+12.66	+6.95
U44	7	7.38	+1.04	+2.88
U45	7	6.04	+.61	+6.96
U48	7	14.44	+3.86	+10.98
U49	7	4.01	+.69	-.79
U51	7	3.25	-.15	+1.52
U52	6	3.09	+.22	-1.42
U53	6	3.72	+.76	+.65
U54	6	4.84	+2.27	+4.45

Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska--Continued

Well	Length of record (years)	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944	Net rise (+) or net decline (-) for period of record
		Dawson County--Continued		
U55	6	3.11	+0.87	+0.39
U56	6	6.08	+.38	+1.02
U57	6	4.80	+1.19	+1.66
U58	6	7.80	+1.12	+1.51
U59	6	9.58	+2.75	+7.66
U60	6	5.30	+.58	+.56
U61	6	10.29	+1.67	+5.97
U62	6	4.63	-.10	-2.00
U63	6	3.34	-.40	-2.02
U64	6	4.00	+.10	-1.43
U73	5	22.27	+4.64	+12.27
		Deuel County		
94	11	4.77	.....	+3.32
130A	1	....	.....	.....
		Dodge County		
31	11	4.90	.....	+4.75
401	9	2.57	.....	-.15
420	9	7.18	.....	+1.93
455	5	2.94	.....	-.96
456	5	3.63	.....	+2.63
457	5	4.74	.....	+4.74
459	5	5.55	.....	+4.34
460	5	6.72	.....	+5.68
461	5	5.26	.....	+4.93
462	5	5.52	.....	+5.52
463	5	4.34	.....	+4.34
464	5	6.76	.....	+6.76
467	5	8.29	.....	+5.56
468	5	7.86	.....	+5.11
		Douglas County		
24	11	3.27	.....	+2.41
		Dundy County		
361	10	1.84	.....	-.14
380	10	1.59	.....	-1.14
445	9	1.85	.....	-1.36
		Franklin County		
156	11	1.63	.....	+1.45
		Furnas County		
145	11	2.39	.....	+1.02
395	9	1.90	.....	+.82
		Gage County		
230	11	3.49	.....	+1.85
231	11	.86	.....	+.94

Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska--Continued

Well	Length of record (years)	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944	Net rise (+) or net decline (-) for period of record
		Garden County		
3	12	4.02	.....	-2.48
4	12	4.40	.....	-1.80
5	12	4.18	.....	+.48
12	11	4.57	.....	+.37
17	11	2.86	.....	+.62
21	11	3.12	.....	+1.34
25	11	3.77	.....	-.57
27	11	3.74	.....	-1.94
218	11	3.98	.....	-.54
326	10	6.47	.....	-6.24
S11	9	3.14	-.52	-1.09
S13	9	5.26	-.80	+3.54
		Gosper County		
1	7	3.51	-.57	-1.03
2	7	2.89	-.50	-.59
3	8	3.94	-.15	+2.70
4	8	4.12	-.41	+.75
307	13	11.02	+1.33	+3.83
U76	5	58.62	+15.40	+58.12
U81	5	7.57	+.35	+6.55
U82	5	8.40	-1.32	+6.34
U83	5	8.37	-1.61	-3.57
U84	5	8.41	-.04	+7.94
U85	5	8.06	+1.57	+8.06
U86	5	8.57	-2.02	+5.51
U87	5	8.23	-2.03	+5.14
U88	5	6.56	-.63	+5.09
U89	5	7.17	-.09	+5.38
U90	5	8.23	-.07	+6.98
U92	5	8.46	-2.39	+4.65
U93	5	7.80	-1.54	+5.18
U95	5	2.81	+.01	+2.25
U96	5	6.55	-.38	+2.96
U97	5	4.77	-.24	+.42
U98	5	3.91	+.42	+2.62
U99	5	2.39	+.45	+1.50
		Grant County		
216	12	1.78	.....	-.66
		Hall County		
245	13	7.42	.....	-2.78
246	14	18.83	.....	+.86
247	15	18.90	.....	-4.81
248	15	12.23	.....	-2.49
249	15	9.56	.....	-5.68
258	15	19.03	.....	-7.72
259	15	18.13	.....	-.34
260	15	7.89	.....	-2.13
GI202	11	3.85	+1.78	+.19
GI203	10	3.80	+2.12	+.38
GI204	10	3.34	+2.26	+.17
GI207	10	5.08	+2.75	-.73
GI208	10	7.63	+2.52	+2.46

Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska--Continued

Well	Length of record (years)	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944	Net rise (+) or net decline (-) for period of record
		Hall County--Continued		
GI209	10	3.80	+2.54	+0.04
GI210	10	6.77	-.25	-1.83
GI211	10	5.00	+2.77	+.22
GI212	10	6.17	+3.75	+.43
GI214	10	9.05	+3.98	-1.15
GI215	10	5.93	+2.83	+1.17
GI216	10	6.30	+2.86	+.62
GI217	10	6.28	+2.54	+2.08
GI219	10	3.80	+.65	+.45
GI220	10	5.17	+.75	+.70
GI221	10	6.90	+1.19	+.95
GI222	10	5.50	+2.34	+1.04
GI223	10	11.41	+5.31	+6.91
GI224	10	10.52	+1.43	+.30
GI225	10	4.94	+1.48	+.27
GI226	10	10.45	+2.27	+1.57
GI227	10	7.12	+5.17	+2.87
GI229	10	10.87	+7.04	+7.67
GI230	10	7.22	+3.73	+4.77
GI231	10	6.09	+2.10	+1.90
GI232	10	6.09	+3.17	+.87
GI233	10	8.34	+3.30	+2.54
GI234	10	13.75	-3.11	+3.25
GI237	10	4.65	+2.60	+.55
GI238	10	7.97	+1.92	-1.33
GI239	10	3.47	.....	+.32
GI240	10	6.19	+.82	+.53
GI241	10	9.45	+2.20	-6.48
GI242	10	6.40	+3.54	-.32
GI243	10	4.15	+.64	+.11
GI244	10	4.76	+1.19	+.33
GI246	10	4.65	+1.23	+.41
GI247	10	3.60	+.28	+.20
GI248	10	4.75	+.57	+.24
GI249	10	4.09	+.58	+.43
GI250	10	4.45	-.33	-.12
GI251	10	4.28	+2.72	-.04
GI252	10	5.10	+3.06	+.18
GI253	10	5.42	+3.49	+.82
GI254	10	5.53	+3.75	+.38
GI255	10	12.06	+2.06	+1.06
		Hamilton County		
158	11	4.93	.....	-2.75
160	11	5.40	.....	-3.87
173	11	4.79	.....	+2.17
330	10	4.56	.....	-.64
		Harlan County		
155	11	3.27	.....	+3.25
		Hayes County		
141	10	1.94	.....	+1.02
446	9	6.80	.....	-5.77

Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska--Continued

Well	Length of record (years)	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944	Net rise (+) or net decline (-) for period or record
		Hitchcock County		
178A	1	0.80	.....	-0.68
178B	1	.81	.....	-.70
362	9	1.74	.....	+.44
		Holt County		
203	11	5.77	-.96	-.65
428	9	4.26	+2.10	+2.11
		Hooker County		
244	11	18.75	.....	-7.40
		Howard County		
46	11	1.98	.....	+.82
51	11	3.18	.....	-.61
		Jefferson County		
226	11	10.08	.....	+7.57
		Johnson County		
2	11	3.02	.....	-3.02
		Kearney County		
266	15	14.29	.....	+.12
		Keith County		
93	11	8.39	-.45	+5.32
255	11	2.26	.....	-1.08
350	10	4.76	+.71	-.82
258	10	3.41	.....	-1.63
E1	7	4.83	+.17	-1.11
E2	7	5.68	+.11	-2.08
E3	7	4.14	-.19	-.51
E6	7	4.05	-.21	-.75
E7	7	2.63	-.29	-.25
E8	7	4.52	-.56	-.65
E9	7	3.19	-.09	-.96
E11	7	3.01	+.16	-.61
E12	7	3.36	+.09	-1.12
E13	7	4.07	-.45	-.70
E14	7	4.98	-1.60	-.87
E15	7	5.85	-.23	-2.03
E16	7	4.04	-.85	-.49
E17	7	3.65	-.98	-.80
E18	7	2.48	-.45	-1.45
E19	7	3.32	+.26	-.39
E20	7	1.98	-.27	+.60
E21	7	3.51	+1.53	+.08
E37	7	5.64	-1.68	-1.41
N4	9	2.86	+.30	-.44
N5	9	3.04	-.39	-2.45

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Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska--Continued

Well	Length of record (years)	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944	Net rise (+) or net decline (-) for period of record
		Keith County--Continued		
N6	9	4.17	-0.29	-1.50
N7	9	5.38	-.01	-1.56
N8	9	2.76	.....	+.75
N9	9	3.51	-.30	-1.22
N10	9	2.63	.....	+.38
N11	9	2.42	-.12	-.70
N12	9	2.61	-.20	-1.61
N13	9	3.52	+.26	-1.57
N14	9	2.90	-.24	-.91
N15	9	3.37	-.32	+.07
N16	9	8.36	+6.39	+5.57
N17	9	5.93	-.02	-2.12
N18	9	14.94	+.34	+12.20
N19	9	2.06	+.25	+.62
N20	9	2.88	-.08	-.66
N23	9	17.14	+1.68	+14.66
N24	9	2.93	-.86	-.90
N25	9	12.94	-.33	-1.52
N26	9	3.00	-.35	-2.59
N27	9	3.91	-.46	-.93
N28	9	2.08	-.25	-.73
N30	9	3.93	+.10	-.75
N32	9	2.44	-.16	+.25
N33	9	2.56	-.38	-.84
N37	9	10.02	-2.22	-5.57
N40	9	2.87	.....	+.89
N41	9	28.45	+1.00	+18.83
N42	9	44.48	+10.45	+43.32
S10	9	9.71	+1.38	+5.88
S16	8	3.13	+1.80	+2.33
S18	9	6.46	+2.13	+4.28
S19	9	16.45	+2.73	+15.42
S20	8	7.92	+5.28	+7.50
S21	9	4.21	+.01	-.29
S22	9	19.16	+1.94	+17.62
S23	9	4.39	+.83	+3.23
S24	9	3.24	+.17	-.71
S25	8	5.93	-.34	+.90
S26	9	6.52	-1.02	-.75
S27	9	5.81	-.99	+.13
S28	9	4.29	-.87	-.52
S29	9	4.69	-1.20	-1.24
S32	8	38.28	+3.58	+33.87
S34	8	26.06	+4.00	+20.24
		Kimball County		
88	11	1.37	-.25	-.27
		Lancaster County		
14	11	5.00	.....	+2.09
		Lincoln County		
134	11	1.07	.....	+.30
144	11	1.56	.....	-.07
241	11	4.09	+.49	-.65

Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska--Continued

Well	Length of record (years)	Difference between highest and lowest water levels (feet)	Net rise (+) or net decline (-) in 1944 (feet)	Net rise (+) or net decline (-) for period of record (feet)
		Lincoln County--Continued		
242	11	8.31	-0.55	+4.44
405	9	3.29	+1.44	+1.65
600	2	2.32	+.82	-1.14
E22	7	3.17	-.84	-1.19
E23	7	3.33	+1.33	+.10
E24	7	2.78	-.60	-.55
E25	7	4.33	+1.35	-.78
E26	7	2.61	+5.36	-1.12
E27	7	4.14	+.60	+1.09
E28	7	5.22	+1.18	-.12
E29	7	4.64	+1.78	+.01
E30	7	3.38	-.18	-.79
E31	7	3.16	-.83	-.71
E32	7	2.25	-.69	-.18
E33	7	3.62	-.36	-.45
E34	7	2.68	+2.02	-1.39
E35	7	2.50	+1.15	-.23
E36	7	4.17	+.12	-.38
E38	7	3.80	-.42	-.80
E39	7	3.91	-.01	-.96
U3	9	3.79	+.32	+1.43
U4	9	4.51	+.68	+1.91
U5	9	3.69	-1.74	-.17
U6	9	3.62	+.07	+1.12
U7	9	3.30	+.02	-.74
U8	9	4.68	-.03	-.57
U9	9	6.63	-.52	+3.17
U10	9	8.15	-.36	-4.72
U11	9	4.98	+.03	+.28
U12	9	6.89	-.48	+3.83
U13	9	6.88	+.13	+3.40
U15	9	3.88	+.23	+2.80
U16	9	2.45	+1.38	+1.52
U17	7	3.17	+.28	-.35
U18	7	3.47	+.35	+.43
U19	7	3.80	+.88	+.49
U20	7	3.75	+1.65	+.08
U21	7	5.66	+4.72	+1.78
U22	7	6.24	+1.57	+5.17
U23	7	5.30	+.29	+5.52
U24	7	3.81	+.30	-.57
U25	7	2.61	+.18	-1.09
U26	7	3.03	+.36	-.80
U27	7	5.43	-.18	-.40
U28	7	3.84	-.22	+.02
U29	7	3.58	+.74	.00
U30	7	2.62	+.10	-.78
U31	7	5.62	+.33	+1.61
U32	7	4.79	+.66	+3.20
U33	7	8.85	+.91	+8.24
U34	7	4.26	+.64	+2.80
U35	7	8.91	+.89	+7.33
U36	7	3.73	+.35	-.25
U37	7	5.34	-.04	-1.18
U38	7	8.15	+.55	+4.61
U39	7	6.00	+.47	+2.23
U40	7	12.04	+8.16	+11.10

Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska--Continued

Well	Length of record (years)	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944	Net rise (+) or net decline (-) for period of record
		Lincoln County--Continued		
U41	7	10.13	+1.11	+4.86
U42	7	12.50	+2.15	+7.26
U43	7	16.49	+3.46	+14.62
U46	6	3.57	+.38	+1.02
U77	5	8.91	+.30	+7.75
U78	5	8.13	+.17	+6.72
U79	5	8.40	+.54	+7.07
U80	5	6.15	+.36	+6.15
JS1	7	13.26	+.63	+7.59
JS2	7	10.01	+.46	+4.98
JS3	7	11.75	+.73	+8.98
JS4	7	8.98	+.50	+6.71
		Madison County		
108	11	3.66	.....	+.76
109	11	1.93	.....	+1.23
110	10	3.21	.....	+.56
		Merrick County		
42	11	3.50	.....	+1.88
50	11	4.40	.....	+1.23
GI200	10	3.87	+.45	+.20
GI201	10	5.04	+.08	+.74
		Morrill County		
84	11	1.04	.....	+1.27
85	15	3.42	-.04	-.55
97	11	1.31	.....	+.87
		Nemaha County		
11	11	10.14	.....	+9.18
		Otoe County		
8A	5	4.88	.....	+4.88
9	11	8.58	.....	+8.19
10	11	8.16	.....	+5.05
		Pawnee County		
4	11	17.72	.....	+11.44
		Phelps County		
5	8	5.32	-.26	+2.86
6	8	5.80	+.22	+3.86
7	8	6.14	+.02	+3.43
8	7	5.32	-.01	+1.49
9	7	6.62	+2.96	+4.85
10	7	5.67	+.28	+3.61
11	7	4.18	+.19	+3.33
275	15	4.48	.....	+.16

Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska--Continued

Well	Length of record (years)	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944	Net rise (+) or net decline (-) for period of record
		Platte County		
41	11	5.00	.....	+1.27
US150	10	10.43	-.90	+3.00
		Redwillow County		
137	11	1.86	.....	+1.54
139	11	3.03	.....	+1.23
494	5	3.62	.....	+.46
		Richardson County		
5	11	10.46	.....	+9.41
7	11	15.38	.....	+6.86
408	9	10.97	.....	-3.77
410	9	6.50	.....	+3.26
416	9	15.04	.....	+6.92
419	9	5.90	.....	+4.22
		Rock County		
117	11	3.50	.....	+.75
198	11	5.05	.....	-1.29
		Saline County		
194	11	6.75	.....	+6.11
341	10	3.71	.....	-.73
		Saunders County		
19	11	4.02	.....	+4.02
21	11	6.76	.....	+2.60
22	11	7.74	.....	-1.08
331	10	10.60	.....	+2.75
2-6600W	12	6.42	+.32	+2.18
		Scotts Bluff County		
438	9	2.69	.....	+1.43
439	9	.89	.....	+.10
440	9	1.04	.....	+.04
442	8	4.76	.....	+3.36
		Sheridan County		
217	11	2.14	.....	-1.52
376	5	2.56	.....	+1.56
		Sherman County		
58	11	3.14	.....	-2.23
		Thayer County		
166	11	.98	.....	+.21

Length of record, difference between highest and lowest water levels, net change in water level in 1944, and net change in water level during period of record, in feet, in observation wells in Nebraska--Continued

Well	Length of record (years)	Difference between highest and lowest water levels	Net rise (+) or net decline (-) in 1944	Net rise (+) or net decline (-) for period of record
		Thomas County		
212	11	1.19	.....	-0.32
213	11	.74	.....	-.37
		Valley County		
601	2	3.20	+.31	+.32
		Washington County		
32	8	5.89	.....	+3.54
33	11	7.18	.....	+4.56
		York County		
167	11	1.96	.....	-1.56

PUMPAGE

The following tables give the total draft from the important ground-water developments for the public supplies of Lincoln and Grand Island. The public supply for the city of Lincoln is pumped from 9 wells installed on the floodplain of the Platte River, about 3 miles north of Ashland. The first pumping from the Lincoln well field, near Ashland, began in August, 1932, and by the end of 1944 a total of approximately 35,165 million gallons of water had been withdrawn from the ground-water reservoir. The public supply at Grand Island is obtained by pumping from a group of wells drilled into the Pleistocene sands and gravels of the Platte Valley and situated for the most part within the city.[1/]

Monthly pumpage, in millions of gallons, for the public supply of Grand Island, Nebraska, 1936-44

	1936	1937	1938	1939	1940	1941	1942	1943	1944
Jan.	133.8	93.0	98.9	107.4	125.7	100.6	126.0	156.6	189.7
Feb.	95.6	83.3	88.2	89.7	99.8	82.5	88.4	151.6	178.3
Mar.	111.8	96.7	112.5	108.5	100.9	108.1	132.5	177.0	209.6
Apr.	154.3	131.3	140.7	154.8	144.8	111.1	128.9	212.3	196.1
May	172.8	165.1	162.2	195.6	190.6	159.7	137.2	223.6	224.9
June	215.1	173.6	181.9	209.8	229.2	134.9	251.9	244.3	228.7
July	291.2	236.3	242.4	248.2	245.6	254.5	225.1	301.3	275.2
Aug.	241.0	239.3	189.8	251.1	240.6	251.3	250.4	299.6	320.6
Sept.	194.6	194.7	199.0	241.5	198.8	174.3	202.3	250.1	234.8
Oct.	153.6	163.0	191.4	192.2	172.8	148.4	198.4	235.2	228.8
Nov.	104.2	139.3	135.7	144.1	132.6	134.7	168.9	188.9	227.0
Dec.	104.4	101.6	112.2	131.6	118.4	131.1	161.3	189.4	223.6
	1,972.4	1,817.2	1,854.9	2,074.5	1,999.8	1,791.4	2,071.3	2,629.9	2,737.3

1/Wenzel, L. K., Local overdevelopment of ground-water supplies with special reference to conditions at Grand Island, Nebraska: U. S. Geol. Survey Water-Supply Paper 836-E, pp. 244-247, 1940.

Average daily pumpage, in millions of gallons, for public supply of Grand Island, Nebr., 1918-44

1918	a 1.64	1925	a 2.15	1932	4.11	1939	5.68
1919	a 1.53	1926	a 2.29	1933	4.90	1940	5.47
1920	a 1.44	1927	a 2.12	1934	5.72	1941	4.90
1921	a 1.59	1928	a 2.51	1935	5.34	1942	5.67
1922	a 1.76	1929	3.65	1936	5.41	1943	7.20
1923	a 1.83	1930	3.52	1937	5.00	1944	7.50
1924	a 2.04	1931	4.16	1938	5.08		

a Does not include water pumped for condenser use at municipal electric plant.

Monthly pumpage, in millions of gallons, for public supply of Lincoln, Nebr., 1932-44

	1932	1933	1934	1935	1936	1937	1938
Jan.	.....	204.2	136.6	187.1	186.2	203.8	208.7
Feb.	.....	187.0	164.2	167.2	193.0	190.7	192.2
Mar.	.....	205.0	188.5	199.2	204.4	200.6	211.1
Apr.	.....	210.0	194.8	193.6	188.8	158.5	189.5
May	.....	213.8	236.0	188.7	234.8	262.9	216.4
June	.....	263.6	249.9	192.0	296.4	254.5	245.8
July	.....	212.6	308.9	236.9	334.5	322.5	304.9
Aug.	98.5	197.2	278.1	255.8	319.8	317.7	298.9
Sept.	186.1	169.4	206.5	181.3	228.2	297.6	201.6
Oct.	204.9	132.6	176.9	154.0	236.4	204.8	207.2
Nov.	201.8	106.4	196.6	90.1	209.2	217.1	116.3
Dec.	203.2	133.9	171.7	182.9	201.2	188.8	141.1
	894.5	2,235.7	2,508.7	2,228.8	2,832.9	2,819.5	2,533.7

	1939	1940	1941	1942	1943	1944
Jan.	196.1	195.8	193.4	198.5	248.2	281.4
Feb.	185.6	182.8	181.2	178.4	227.6	246.1
Mar.	212.9	193.9	195.1	199.3	253.5	274.0
Apr.	223.7	177.1	173.8	213.8	246.9	274.3
May	284.6	246.5	289.2	243.4	290.0	297.2
June	267.4	290.7	286.3	292.4	324.6	353.1
July	325.0	374.3	382.4	372.5	379.8	381.0
Aug.	300.6	390.7	377.8	399.8	377.1	361.0
Sept.	324.3	314.1	277.0	269.3	334.0	343.3
Oct.	232.7	264.4	201.2	234.1	304.8	327.1
Nov.	222.8	170.8	197.7	200.5	237.4	291.4
Dec.	203.4	201.5	205.3	241.8	263.9	307.5
	2,979.1	2,902.3	2,960.4	3,043.8	3,487.8	3,737.4

Average daily pumpage, in millions of gallons, for public supply of Lincoln, Nebr., 1932-44

1932	a 5.84	1936	7.76	1939	8.16	1942	8.34
1933	6.12	1937	7.72	1940	7.95	1943	9.53
1934	6.87	1938	6.94	1941	8.11	1944	10.20
1935	6.10						

a Pumping from the Ashland well field began in August 1932.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Adams County

193 (*817, p. 92; 840, p. 190; 845, p. 169; 886, p. 289; 908, p. 188; 938, p. 157; 946, p. 189; 988, p. 187). H. Fricke. NW¼NE¼ sec. 23, T. 7 N., R. 10 W. No measurements made in 1944.

448 (*886, p. 289; 908, p. 188; 938, p. 157; 946, p. 189; 988, p. 187). University of Nebraska. NW¼NW¼ sec. 23, T. 6 N., R. 10 W. No measurements made in 1944.

Antelope County

202 (*817, p. 92; 840, p. 190; 845, p. 169; 886, p. 289; 908, p. 188; 938, p. 157; 946, p. 189; 988, p. 187). University of Nebraska. NW¼NW¼ sec. 1, T. 24 N., R. 6 W. To convert water levels from feet above assumed datum, as published in all previous reports except Water-Supply Paper 817, to feet below land-surface datum, subtract from 104.07. To convert water levels from feet above assumed datum, as published in Water-Supply Paper 817, to feet below land-surface datum, subtract from 106.94. Water level, in feet below land-surface datum, 1944: July 31, 4.38.

Arthur County

N31 (*988, p. 187). Central Nebraska Public Power and Irrigation District. SW. corner SE¼ sec. 31, T. 17 N., R. 39 W. Measurements supplied through courtesy of the Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 11	5.05	July 13	4.92	Sept.14	5.30
June 7	4.62	Aug. 8	5.12	Oct. 6	6.29

250 (*840, p. 190; 845, p. 169; 886, p. 289; 908, p. 188; 938, p. 157; 946, p. 189; 988, p. 188). University of Nebraska. SE¼NW¼ sec. 21, T. 17 N., R. 38 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 129.68. Water level in feet below land-surface datum, 1944: Nov. 16, 31.23.

Banner County

238 (*817, p. 93; 840, p. 191; 845, p. 169; 886, p. 289; 908, p. 188; 938, p. 157; 946, p. 189; 988, p. 188). F. Grant. SW¼NE¼ sec. 29, T. 19 N., R. 55 W. No measurements made in 1944.

354 (*817, p. 93; 840, p. 191; 845, p. 169; 886, p. 289; 908, p. 188; 946, p. 189). A. Anderson. SE¼SE¼ sec. 6, T. 17 N., R. 55 W. No measurements made in 1944.

Blaine County

210 (*817, p. 93; 840, p. 191; 845, p. 169; 886, p. 289; 908, p. 188; 938, p. 157; 946, p. 189; 988, p. 188). University of Nebraska. SW¼SW¼ sec. 22, T. 23 N., R. 22 W. No measurements made in 1944.

211 (*817, p. 93; 840, p. 191; 845, p. 169; 886, p. 289; 908, p. 188; 938, p. 157; 946, p. 189; 988, p. 188). Key well US 57. University of Nebraska. NE¼SW¼ sec. 33, T. 22 N., R. 24 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	3.95	May 29	3.44	Aug. 17	5.00	Oct. 29	4.55
Feb. 27	3.97	June 28	3.95	29	4.83	Nov. 28	4.19
Mar. 29	3.25	July 29	5.01	Sept.28	4.95	Dec. 29	4.17
Apr. 28	2.74						

237 (*817, p. 93; 840, p. 191; 845, p. 169; 886, p. 289; 908, p. 188; 938, p. 157; 946, p. 189; 988, p. 188). Cox & Sons. NE¼SW¼ sec. 7, T. 24 N., R. 25 W. No measurements made in 1944.

433 (*886, p. 290; 908, p. 189; 938, p. 157; 946, p. 190; 988, p. 189). University of Nebraska. NE¼NE¼ sec. 7, T. 24 N., R. 25 W. No measurements made in 1944.

434 (*886, p. 290; 908, p. 189; 938, p. 157; 946, p. 190; 988, p. 189). University of Nebraska. NW¼SW¼ sec. 22, T. 23 N., R. 22 W. No measurements made in 1944.

Boone County

201 (*817, p. 94; 840, p. 191; 845, p. 169; 886, p. 290; 908, p. 189; 938, p. 157; 946, p. 190; 988, p. 189). University of Nebraska. NE¼SE¼ sec. 26, T. 21 N., R. 7 W. No measurements made in 1944.

207 (*817, p. 94; 840, p. 191; 845, p. 169; 886, p. 290; 908, p. 189; 938, p. 157; 946, p. 190; 988, p. 189). University of Nebraska. SE¼NE¼ sec. 5, T. 18 N., R. 7 W. No measurements made in 1944.

425 (*886, p. 290; 908, p. 189; 938, p. 157; 946, p. 190; 988, p.189). University of Nebraska. NE¼SW¼ sec. 26, T. 21 N., R. 7 W. No measurements made in 1944.

426 (*886, p. 290; 908, p. 189; 938, p. 157; 946, p. 190; 988, p.189). University of Nebraska. NE¼SW¼ sec. 4, T. 18 N., R. 7 W. No measurements made in 1944.

Box Butte County

129 (*817, p. 94; 840, p. 191; 845, p. 172; 886, p. 291; 908, p. 189; 938, p. 158; 946, p. 190; 988, p. 189). M. Jacobson. NW¼NE¼ sec. 31, T. 25 N., R. 50 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 202.87. Water level, in feet below land-surface datum, 1944: Aug. 16, 103.14.

338 (*817, p. 95; 840, p. 192; 845, p. 172; 886, p. 291; 908, p. 189; 938, p. 158; 946, p. 190; 988, p. 189). E. Wildy. NW¼SW¼ sec. 21, T. 27 W., R. 49 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 218.50. Water level, in feet below land-surface datum, 1944: Aug. 16, 118.33 (highest observed stage in period of record).

378 (*817, p. 95; 840, p. 192; 845, p. 172; 886, p. 291; 908, p. 189; 938, p. 158; 946, p. 190; 988, p. 189). University of Nebraska. SE¼SE¼ sec. 6, T. 28 N., R. 51 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 102.19. Water level, in feet below land-surface datum, 1944: Aug. 16, 2.72.

473 (Box Butte 2 in *845, p. 169 and 886, p. 290; listed as well 473 in 946, p. 190; 988, p. 189). Mrs. E. A. Wells. SE¼NE¼ sec. 30, T. 25 N., R. 48 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 114.47.

Water level, in feet below land-surface datum, 1940-42-44

Date	Water level	Date	Water level	Date	Water level
Apr. 1, 1940	15.30	Nov. 2, 1940	15.09	Nov. 14, 1942	13.53
July 22	15.40	Oct. 20, 1941	(b)	Aug. 17, 1944	a 12.72

a Highest observed stage in period of record.
b Dry at 15 feet.

474 (Box Butte 3 in *845, p. 170 and 886, p. 290; listed as well 474 in 946, p. 190; 988, p. 189). John Nolan. NE¼NE¼ sec. 10, T. 24 N., R. 50 W. To convert water levels from feet above assumed datum, as published in previous reports to feet below land-surface datum, subtract from 150.60. Measuring point beginning Aug. 16, 1944, top of wooden pump platform at north side of square opening in middle, 0.7 foot above land-surface datum, level with old measuring point.

Water level, in feet below land-surface datum, 1940-42, 1944

May 1, 1940	51.70	Nov. 2, 1940	51.73	Nov. 13, 1942	50.07
July 22	51.66	Oct. 20, 1941	51.70	Aug. 16, 1944	a 49.84

a Highest observed stage in period of record.

475 (Box Butte 5 in *845, p. 170; and 886, p. 290; listed as well 475 in 946, p. 190; 988, p. 189). Dr. G. D. Shepard. NW¼SW¼ sec. 13, T. 24 N., R. 52 W. Published incorrectly as T. 25 N.,in Water-Supply Papers 845 and 946. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 177.26. Water levels, in feet below land-surface datum: Apr. 1, 1940, 78.00; July 22, 1940, measuring point destroyed; Nov. 13, 1942, 77.91; Aug. 16, 1944, 77.78.

476 (Box Butte 6 in *845, p. 170;and 886, p. 291; listed as well 476 in 946, p. 190; 988, p. 189). Mr. Bailey. NE¼NE¼ sec. 35, T. 24 N., R. 25 W. Water levels, in feet below land-surface datum: July 22, 1940, 97.61; Nov. 2, 1940; 98.53; Oct. 20, 1941; 98.67. Well sealed; measurements discontinued after Oct. 21, 1941.

477 (*Box Butte 7 in *845, p. 170 and 886, p. 291; listed as well 477 in 946, p. 191; 988, p. 189). C. A. Allen. SE¼NE¼ sec. 14, T. 25 N., R. 51 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 187.65.

Water level, in feet below land-surface datum, 1940-42, 1944

Date	Water level	Date	Water level	Date	Water level
Apr. 1, 1940	88.52	Nov. 2, 1940	88.43	Nov. 13, 1942	88.39
July 22	87.52	Oct. 21, 1941	88.54	Aug. 16, 1944	88.30

478 (Box Butte 8 in *845, p. 170 and 886, p. 291; listed as well 478 in 946, p. 191; 988, p. 189). O. J. Wilkens. NW¼SW¼ sec. 25, T. 26 N., R. 51 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 195.06.

Water level, in feet below land-surface datum, 1940-42, 1944

Apr. 1, 1940	95.99	Nov. 2, 1940	95.76	Nov. 13, 1942	95.59
July 22	95.49	Oct. 21, 1941	96.00	Aug. 16, 1944	95.71

479 (Box Butte 9 in *845, p. 170 and 886, p. 291; listed as 479 in 946, p. 191; 988, p. 189). Lew Bauer. NW¼NE¼ sec. 10, T. 26 N., R. 52 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 172.92.

Water level, in feet below land-surface datur 1940-42, 1944

Apr. 1, 1940	73.73	Nov. 2, 1940	73.97	Nov. 13, 1942	73.63
July 22	73.63	Oct. 21, 1941	74.17	Aug. 16, 1944	73.68

480 (Box Butte 10 in *845, p. 171; listed as well 480 in 946, p. 191; 988, p. 189). Mrs. L. A. Rosenberg. SW¼SE¼ sec. 12, T. 26 N., R. 50 W. Windmill pumping; no measurements made in 1944.

481 (Box Butte 12 in *845, p. 171; listed as well 481 in 946, p. 191; 988, p. 189). NE¼NE¼ sec. 20, T. 27 N., R. 50 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 273.82.

Water level, in feet below land-surface datum, 1940-42, 1944

May 22, 1940	174.79	Oct. 20, 1941	174.79	Aug. 16, 1944	174.44
Nov. 2	174.77	Nov. 14, 1942	174.20		

482 (Box Butte 13 in *845, p. 171 and 886, p. 291; listed as well 482 in 946, p. 191; 988, p. 189). W. J. Gregg. SW¼NW¼ sec. 8, T. 28 N., R. 51 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 184.93 for water levels published previous to Nov. 14, 1942, and subtract from 185.03 for water levels published thereafter.

Water level, in feet below land-surface datum, 1940-42, 1944

Mar. 30, 1940	86.40	Nov. 1, 1940	85.97	Nov. 14, 1942	85.38
July 20	85.72	Oct. 20, 1941	86.04	Aug. 16, 1944	a 85.20

a Highest observed stage in period of record.

483 (Box Butte 15 in *845, p. 171 and 886, p. 291; listed as well 483 in 946, p. 191; 988, p. 189). Mr. Shremik. NE¼NW¼ sec. 24, T. 27 N., R. 47 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 128.00.

Water level, in feet below land-surface datum, 1940-42, 1944

Date	Water level	Date	Water level	Date	Water level
Apr. 1, 1940	29.12	Nov. 2, 1940	29.94	Nov. 14, 1942	21.75
July 22	29.48	Oct. 20, 1941	29.14	Aug. 16, 1944	a 21.46

a Highest observed stage in period of record.

Boyd County

74 (*817, p. 95; 840, p. 192; 845, p. 172; 886, p. 291; 908, p. 189; 938, p. 158; 946, p.191; 988, p. 190). A. Christman. SE¼NE¼ sec. 10, T. 34 N., R. 13 W. No measurements made in 1944.

75 (*817, p. 95; 840, p. 192; 845, p. 172; 886, p. 291; 908, p. 189; 938, p. 158; 946, p. 191; 988, p. 190). E. Engelhaupt. NE¼SW¼ sec. 9, T. 33 N., R. 13 W. No measurements made in 1944.

209 (*817, pp. 95,96; 840, p. 192; 845, p. 172; 886, p. 291; 908, p. 189; 938, p. 158; 946, p. 191; 988, p. 190). University of Nebraska. SW¼SW¼ sec. 1, T. 32 N., R. 10 W. No measurements made in 1944.

Brown County

243 (*817, p. 96; 840, p. 192; 845, p. 172; 886, p. 291; 908, p. 189; 938, p. 158; 946, p. 191; 988, p. 190). T. Bower. SW¼SE¼ sec. 27, T. 30 N., R. 22 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 116.67. Water level, in feet below land-surface datum, 1944: Aug. 1, 14.02 (highest observed stage in period of record); Nov. 17, 15.98.

Buffalo County

52 (*817, p. 96; 840, p. 192; 845, p. 172; 946, p. 192; 988, p. 190). W. Starks. NW¼SW¼ sec. 2, T. 12 N., R. 14 W. No measurements made in 1944.

232 (*817, p. 96; 840, p. 192; 845, p. 172; 886, p. 291; 908, p. 190; 938, p. 158; 946, p. 192; 988, p. 190). W. Buettner. SE¼SW¼ sec. 21, T. 10 N., R. 17 W. No measurements made in 1944.

263 (*817, p. 97; 840, p. 192; 845, p. 172; 886, p. 291; 908, p. 190; 938, p. 158; 946, p. 192; 988, p. 190). E. Stubblefield. SW¼NW¼ sec. 22, T. 9 N., R. 13 W. Water levels, in feet below land-surface datum, 1944: Apr. 15, 9.12; Aug. 18, 9.98.

264 (*817, p. 97; 840, p. 192; 845, p. 172; 886, p. 291; 908, p. 190). B. Smith. SW¼SW¼ sec. 9, T. 9 N., R. 15 W. Pumping; measurements discontinued.

265 (*817, p. 98; 840, p. 193; 845, p. 172; 886, p. 291; 908, p. 190; 938, p. 158; 946, p. 192; 988, p. 190). F. Scott. NW¼SW¼ sec. 5, T. 9 N., R. 13 W. Water levels, in feet below land-surface datum, 1944: Apr. 15, 21.00; Nov. 14, 20.90.

267 (*817, p. 98; 840, p. 193; 845, p. 172; 886, p. 292; 908, p. 19 938, p. 158; 946, p. 192; 988, p. 190). M. Davis. NW¼SW¼ sec. 13, T. 9 N., R. 14 W. Water levels, in feet below land-surface datum, 1944: Apr. 15, 19.99; Sept. 25, 19.95; Nov. 14, 19.92.

268 (*817, p. 98; 840, p. 193; 845, p. 172; 886, p. 292; 908, p. 938, p. 158; 946, p. 192; 988, p. 190). C. Nicholson. NW¼NW¼ sec. 34, T. 9 N., R. 14 W. Water levels, in feet below land-surface datum, 1944: Apr. 15, 11.49; Aug. 18, 12.29.

269 (*817, p. 99; 840, p. 193; 845, p. 172; 886, p. 292; 908, p. 190; 946, p. 192; 988, p. 190). W. Adair. SW¼SW¼ sec. 21, T. 9 N., R. 14 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 120.43. Water level, in feet below land-surface datum, 1944: Nov. 14, 19.38.

270 (*817, p. 99; 840, p. 193; 845, p. 172; 886, p. 292; 908, p. 190; 938, p. 158; 946, p. 192; 988, p. 190). Key well US 129. T. Lewis. SE¼SE¼ sec. 19, T. 9 N., R. 14 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	25.97	May 29	25.26	Aug. 30	26.23	Nov. 14	25.28
Mar. 1	25.70	June 29	24.59	Sept.29	26.24	29	25.28
29	25.76	July 29	24.39	Oct. 29	25.29	Dec. 29	24.99
Apr. 29	25.22						

272 (*817, p. 100; 840, p. 193; 845, p. 172; 886, p. 292; 908, p. 190; 938, p. 158; 946, p. 192; 988, p. 191). C. Aldeen. NW¼SW¼ sec. 11, T. 9 N., R. 15 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 127.25. Water level, in feet below land-surface datum, 1944: Nov. 14, 27.60.

273 (*817, p. 100; 840, p. 193; 886, p. 292; 908, p. 190; 938, p. 158; 946, p. 192; 988, p. 191). J. Wolford. NW¼NW¼ sec. 34, T. 9 N., R. 15 W. No measurements made in 1944.

274 (*817, p. 101; 840, p. 193; 845, p. 172; 886, p. 292; 908, p. 190; 938, p. 158; 946, p. 192; 988, p. 191). M. Garvin. SW¼SW¼ sec. 12, T. 8 N., R. 16 W. Water level, in feet below land-surface datum, 1944: Apr. 15, 4.80; Aug. 18, 6.54.

278 (*817, p. 101; 840, p. 193; 845, p. 172; 886, p. 292; 908, p. 190; 938, p. 158; 946, p. 192; 988, p. 191). University of Nebraska. NE¼SE¼ sec. 1, T. 8 N., R. 17 W. Water level, in feet below land-surface datum, 1944: Apr. 15, 6.58 (highest observed stage in period of record).

279 (*817, p. 102; 840, p. 193; 845, p. 172; 886, p. 292; 908, p. 190; 938, p. 158; 946, p. 192). University of Nebraska. SE¼SE¼ sec. 12, T. 8 N., R. 17 W. No measurements made in 1944.

Burt County

64 (*946, p. 192; 988, p. 191). Tom Turk. NW¼NE¼ sec. 34, T. 21 N., R. 11 E. To convert water levels from feet below measuring point, as published in Water-Supply Paper 946, to feet below land-surface datum, subtract 0.3 foot. Water level, in feet below land-surface datum, 1944: Oct. 27, 8.82 (highest observed stage in period of record).

402 (*886, p. 292; 908, p. 190; 938, p. 158; 946, p. 193; 988, p.191). University of Nebraska. SE¼SE¼ sec. 35, T. 22 N., R. 8 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 104.98. Water level, in feet below land-surface datum, 1944: Oct. 27, 6.71.

Butler County

508 (*946, p. 193; 988, p. 191). University of Nebraska. NE¼NW¼ sec. 8, T. 14 N., R. 3 E. No measurements made in 1944.

Cass County

16 (*817, p. 103; 840, p. 194; 845, p. 173; 886, p. 292; 908, p. 190; 938, p. 159; 946, p. 193; 988, p. 191). J. Wiedeman. NE¼SW¼ sec. 32, T. 12 N., R. 9 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 140.51. Water level, in feet below land-surface datum, 1944: Oct. 27, 40.58.

18 (*817, p. 103; 840, p. 194; 845, p. 173; 886, p. 292; 908, p. 190; 938, p. 159; 946, p. 193; 988, p. 191). W. Stine. NE¼NW¼ sec. 26, T. 10 N., R. 13 E. No measurements made in 1944.

Cedar County

65 (*817, p. 103; 840, p. 194; 845, p. 173; 908, p. 191; 938, p. 159; 946, p. 193; 988, p. 191). University of Nebraska. NE¼SW¼ sec. 4, T. 28 N., R. 3 E. No measurements made in 1944.

66 (*817, p. 103; 840, p. 194; 845, p. 173; 886, p. 293; 908, p. 191; 946, p. 193; 988, p. 191). J. Leiss. NW¼NE¼ sec. 31, T. 31 N., R. 2 E. No measurements made in 1944.

369 (*817, p. 104; 840, p. 194; 845, p. 173; 886, p. 293; 908, p. 191; 938, p. 159; 946, p. 193; 988, p. 191). H. Kleinberg. SE¼NW¼ sec. 23, T. 32 N., R. 2 E. No measurements made in 1944.

Chase County

152 (*817, p. 104; 840, p. 194; 845, p. 173; 886, p. 293; 908, p. 191; 946, p. 193; 988, p. 191). A. Banks. SE¼SE¼ sec. 20, T. 17 N., R. 38 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 168.95. Water levels, in feet below land-surface datum: Mar. 2, 1943, 69.41; Dec. 8, 1944, 70.07.

153 (*817, p. 104; 840, p. 194; 845, p. 173; 886, p. 293; 908, p. 191; 946, p. 193; 988, p. 191). J. Redden. SW¼SE¼ sec. 11, T. 5 N., R. 36 W. Water levels, in feet below land-surface datum: Mar. 5, 1943, 63.03; June 7, 1943, 63.43; Dec. 9, 1944, 62.67 (highest observed stage in period of record.)

Cherry County

115 (*817, p. 104; 840, p. 194; 845, p. 173; 886, p. 293; 908, p. 191; 938, p. 159; 946, p. 194; 988, p. 192). Nebraska Agricultural College. NE¼SE¼ sec. 31, T. 34 N., R. 27 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 198.10. Water level, in feet below land-surface datum 1944: Aug. 1, 98.69.

116 (*840, p. 195; 845, p. 173; 886, p. 293; 908, p. 191; 938, p. 159; 946, p. 194; 988, p. 192). University of Nebraska. SE¼NE¼ sec. 20, T. 31 N., R. 25 W. Water level, in feet below land-surface datum, 1944: Aug. 1, 2.58.

146 (*988, p. 192). University of Nebraska. NW¼SW¼ sec. 33, T. 34 N., R. 27 W. No measurements made in 1944.

256 (*817, p. 105; 840, p. 195; 845, p. 173; 886, p. 293; 908, p. 191; 938, p. 159; 946, p. 194; 988, p. 192). University of Nebraska. SW¼SE¼ sec. 1, T. 34 N., R. 36 W. Water level, in feet below land-surface datum, 1944: Aug. 1, 6.26.

312 (*817, p. 105; 840, p. 195; 845, p. 173; 886, p. 293; 908, p. 191; 938, p. 159; 946, p. 194; 988, p. 192). R. Osborne. SE¼NE¼ sec. 28, T. 26 N., R. 32 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 159.77. Water levels, in feet below land-surface datum, 1944: Apr. 27, 64.13; May 9, 63.87; May 17, 63.58; Dec. 15, 64.25 (lowest observed stage in period of record).

399 (*840, p. 195; 845, p. 173; 886, p. 293; 908, p.191; 938, p. 159; 988, p. 192). University of Nebraska. NW¼NE¼ sec. 8, T. 33 N., R. 27 W. Water level, in feet below land-surface datum, 1944: Aug. 1, 2.58.

431 (*886, p. 293; 908, p. 191; 938, p. 159; 946, p. 194; 988, p.192). University of Nebraska. NW¼SE¼ sec. 14, T. 34 N., R. 38 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 106.65. Water level, in feet below land-surface datum, 1944: Aug. 1, 6.19 (highest observed stage in period of record).

Cheyenne County

87 (*777, p. 92; 817, p. 105; 840, p. 195; 845, p. 173; 886, p. 293; 908, p. 191; 938, p. 159; 946, p. 194; 988, p. 192). A. Linn. NW¼NW¼ sec. 2, T. 15 N., R. 49 W. No measurements made in 1944.

90 (*817, p. 106; 840, p. 195; 845, p. 173; 886, p. 293; 908, p. 191; 946, p. 194; 988, p. 192). W. Goding. NE¼SW¼ sec. 5, T. 14 N., R. 52 W. No measurements made in 1944.

91 (*817, p. 106; 840, p. 195; 845, p. 173; 886, p. 293; 908, p. 191; 938, p. 159; 946, p. 194; 988, p. 192). F. Mather Estate. SW¼NE¼ sec. 35, T. 14 N., R. 50 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 130.37. Water level, in feet below land-surface datum, 1944: Nov. 17, 32.97 (lowest observed stage in period of record).

92 (*817, p. 106, 840, p. 196; 845, p. 173; 886, p. 293; 908, p. 192; 938, p. 159; 946, p. 194; 988, p. 192). G. Fay. NE¼NE¼ sec. 22, T. 12 N., R. 51 W. No measurements made in 1944.

444a (*938, p. 159; 946, p. 194). University of Nebraska. NW¼NW¼ sec. 26, T. 14 N., R. 47 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 115.4. Water level, in feet below land-surface datum, 1944: Nov. 17, 19.99.

Colfax County

37 (*817, p. 106; 840, p. 196; 845, p. 173; 886, p. 294; 908, p. 192; 938, p. 160; 946, p. 194; 988, p. 193). H. Schlemmer. SE¼SE¼ sec. 2, T. 17 N., R. 4 E. No measurements made in 1944.

332 (*817, p. 107; 840, p. 196; 845, p. 173; 886, p. 294; 908, p. 192; 938, p. 160; 946, p. 194; 988, p. 193). University of Nebraska. NE¼NE¼ sec. 7, T. 20 N., R. 4 E. No measurements made in 1944.

343a (*938, p. 160; 946, p. 195; 988, p. 193). University of Nebraska. SE¼SE¼ sec. 2, T. 20 N., R. 2 E. No measurements made in 1944.

Cuming County

61 (*817, p. 107; 840, p. 196; 845, p. 173; 886, p. 294; 908, p. 192; 938, p. 160; 946, p. 195; 988, p. 193). University of Nebraska. NW¼NW¼ sec. 6, T. 23 N., R. 7 E. No measurements made in 1944.

69 (*817, p. 107; 840, p. 196; 845, p. 173; 886, p. 294; 908, p. 192; 938, p. 160; 946, p. 195; 988, p. 193). University of Nebraska. NW¼NW¼ sec. 23, T. 21 N., R. 6 E. Water level, in feet below land-surface datum, 1944: Oct. 27, 6.23.

Custer County

53 (*817, p. 107; 840, p. 196; 845, p. 173; 886, p. 294; 908, p. 192; 938, p. 160; 946, p. 195; 988, p. 193). L. Owen. NE¼NE¼ sec. 9, T. 19 N., R. 18 W. No measurements made in 1944.

195 (*817, p. 108; 840, p. 196; 845, p. 173; 886, p. 294; 908, p. 192; 938, p. 160; 946, p. 195; 988, p. 193). C. Cooper. SE¼NE¼ sec. 16, T. 15 N., R. 18 W. Well destroyed; measurements discontinued.

196 (*817, p. 108; 840, p. 196; 845, p. 173; 886, p. 294; 908, p. 192; 946, p. 195; 988, p. 193). W. Crouch. NE¼SE¼ sec. 17, T. 19 N., R. 22 W. No measurements made in 1944.

219 (*817, p. 108; 840, p. 197; 845, p. 173; 886, p. 294; 908, p. 192; 938, p. 160; 946, p. 195; 988, p. 193). University of Nebraska. NW¼NW¼ sec. 2, T. 15 N., R. 23 W. No measurements made in 1944.

220 (*817, p. 108; 840, p. 197; 845, p. 173; 886, p. 294; 908, p. 192; 946, p. 195; 988, p. 193). University of Nebraska. NE¼SE¼ sec. 28, T. 17 N., R. 25 W. No measurements made in 1944.

325 (*817, p. 108; 840, p. 197; 845, p. 173; 886, p. 294; 908, p. 192; 938, p. 160; 946, p. 195; 988, p. 193). C. Cooper. SW¼SW¼ sec. 10, T. 15 N., R. 18 W. Measurements discontinued in 1944; casing altered, pump installed, now in use.

435 (*886, p. 295; 908, p. 192; 938, p. 160; 946, p. 195; 988, p. 193). University of Nebraska. SE¼SE¼ sec. 27, T. 17 N., R. 25 W. No measurements made in 1944.

436 (*886, p. 295; 908, p. 192; 938, p. 160; 946, p. 195; 988, p. 193). University of Nebraska. NW¼SE¼ sec. 35, T. 16 N., R. 23 W. No measurements made in 1944.

Dakota County

104 (*777, p. 92; 817, p. 109; 840, p. 197; 845, p. 174; 886, p. 295; 908, p. 192; 946, p. 195; 988, p. 193). R. Nelson. NE¼SE¼ sec. 28, T. 27 N., R. 8 E. No measurements made in 1944.

453 (*886, p. 295; 908, p. 192; 938, p. 160; 946, p. 195; 988, p.193). John Boyle. SE¼ sec. 21, T. 29 N., R. 5 E. No measurements made in 1944.

Dawes County

123 (*817, p. 109; 840, p. 197; 845, p. 174; 886, p. 295; 908, p. 193; 938, p. 160; 946, p. 195; 988, p. 194). Key well US 60. T. Moody. SW¼SE¼ sec. 3, T. 31 N., R. 52 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	18.26	May 30	17.88	Aug. 16	18.63	Oct. 30	19.74
Feb. 28	18.42	June 28	17.48	29	18.89	Dec. 6	18.85
Mar. 30	18.81	July 28	17.88	Sept.29	18.95	28	18.84
Apr. 30	18.78						

315 (*817, p. 109; 840, p. 197; 845, p. 174; 886, p. 295; 908, p. 193; 938, p. 160; 946, p. 196; 988, p. 194). A. McIntyre. NE¼NW¼ sec. 21, T. 33 N., R. 48 W. No measurements made in 1944.

396 (*817, p. 109; 840, p. 197; 845, p. 174; 886, p. 295; 908, p. 193; 938, p. 160; 946, p. 196; 988, p. 194). W. Howard. NW¼SE¼ sec. 1, T. 32 N., R. 51 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 119.87. Water level, in feet below land-surface datum, 1944: Aug. 1, 19.21.

Dawson County

99 (*817, p. 110; 840, p. 197; 845, p. 174; 886, p. 295; 908, p. 193; 938, p. 160; 946, p. 196; 988, p. 194). L. Tell Estate. NW¼SE¼ sec. 31, T. 9 N., R. 25 W. No measurements made in 1944.

280 (*817, p. 110; 840, p. 197; 845, p. 174; 886, p. 295; 908, p. 193; 938, p. 160; 946, p. 196; 988, p. 194). J. Brick. SW¼NW¼ sec. 13, T. 9 N., R. 20 W. Water level, in feet below land-surface datum, 1944: Apr. 15, 9.48;

281 (*988, p. 194). University of Nebraska. SE¼SE¼ sec. 31, T. 11 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	26.46	Apr. 30	26.74	June 26	25.62	Sept.28	25.62
Feb. 27	26.86	May 30	26.68	Aug. 27	25.50	Nov. 30	26.34
Mar. 26	27.05						

282 (*988, p. 195). University of Nebraska. NE¼SE¼ sec. 6, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	8.66	Apr. 30	8.65	June 26	8.21	Sept.28	7.83
Feb. 27	8.68	May 30	8.37	Aug. 27	8.00	Nov. 30	7.85
Mar. 26	8.72						

283 (*817, p. 110; 840, p. 197; 845, p. 174; 886, p. 295; 908, p. 193; 938, p. 160; 946, p. 196; 988, p. 195). University of Nebraska. NE¼NE¼ sec. 7, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	8.88	Apr. 30	7.65	June 26	7.66	Sept.28	8.10
Feb. 27	8.97	May 30	7.59	Aug. 27	7.69	Nov. 30	8.59
Mar. 26	8.98						

284 (*817, p. 111; 840, p. 197; 845, p. 174; 886, p. 295; 908, p. 193; 938, p. 160; 946, p. 196; 988, p. 195). University of Nebraska. NE¼SE¼ sec. 7, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	9.56	Apr. 30	7.88	June 26	8.06	Sept.28	8.56
Feb. 27	9.46	May 30	8.07	Aug. 27	7.73	Nov. 30	7.64
Mar. 26	9.48						

285 (*817, p. 111; 840, p. 198; 908, p. 193; 938, p. 160; 946, p. 196; 988, p. 195). University of Nebraska. NE¼NE¼ sec. 18, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	8.99	Apr. 30	7.59	June 26	7.51	Sept.28	8.31
Feb. 27	9.04	May 30	7.65	Aug. 27	7.48	Nov. 30	8.61
Mar. 26	9.02						

286 (*817, p. 112; 840, p. 198; 845, p. 174; 886, p. 245; 908, p. 193; 938, p. 161; 946, p. 196; 988, p. 196). University of Nebraska. SE¼SE¼ sec. 18, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	13.83	Apr. 30	13.32	June 26	12.52	Sept.28	13.36
Feb. 27	13.96	May 30	12.82	Aug. 27	130.02	Nov. 30	13.48
Mar. 26	13.95						

287 (*817, p. 112; 840, p. 198; 845, p. 174; 886, p. 295; 908, p. 193; 938, p. 161; 946, p. 196; 988, p. 196). University of Nebraska. NE¼NE¼ sec. 19, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	16.10	Apr. 30	15.67	June 26	14.56	Sept.28	15.28
Feb. 27	16.24	May 30	14.98	Aug. 27	14.86	Nov. 30	15.72
Mar. 26	16.24						

288 (*817, p. 112; 840, p. 198; 845, p. 174; 886, p. 296; 908, p. 193; 938, p. 161; 946, p. 196; 988, p. 196). University of Nebraska. NE¼SE¼ sec. 19, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	15.97	Apr. 30	15.28	June 26	13.99	Sept.28	14.84
Feb. 27	16.08	May 30	14.51	Aug. 27	14.45	Nov. 30	15.51
Mar. 26	16.02						

289 (*817, p. 113; 840, p. 198; 845, p. 174; 886, p. 296; 908, p. 193; 938, p. 161; 946, p. 196; 988, p. 196). University of Nebraska. NE¼NE¼ sec. 30, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	8.59	Apr. 30	5.85	June 26	6.70	Sept.28	7.87
Feb. 27	8.55	May 30	6.90	Aug. 27	7.62	Nov. 30	8.06
Mar. 26	8.43						

290 (*817, p. 113; 840, p. 198; 845, p. 174; 886, p. 296; 908, p. 193; 938, p. 161; 946, p. 196; 988, p. 196). University of Nebraska. NE¼SE¼ sec. 30, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	9.28	Apr. 30	6.87	June 26	6.67	Sept.28	8.13
Feb. 27	9.12	May 30	5.87	Aug. 27	7.01	Nov. 30	8.30
Mar. 26	8.97						

291 (*817, p. 114; 840, p. 198; 845, p. 174; 886, p. 296; 908, p. 193; 938, p. 161; 946, p. 196; 988, p. 196). University of Nebraska. NE¼NE¼ sec. 31, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	6.44	Apr. 30	3.46	June 26	3.94	Sept.28	5.34
Feb. 27	6.19	May 30	4.18	Aug. 27	3.86	Nov. 30	5.92
Mar. 26	6.04						

292 (*817, p. 114; 840, p. 198; 845, p. 174; 886, p. 296; 908, p. 193; 938, p. 161; 946, p. 196; 988, p. 197). University of Nebraska. NE¼NE¼ sec. 31, T. 10 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	7.58	Mar. 26	7.14	May 30	5.56	Sept.28	6.98
Feb. 27	7.32	Apr. 30	4.99	Aug. 27	5.12	Nov. 30	7.17

293 (*817, p. 114; 840, p. 198; 845, p. 174; 908, p. 193; 938, p. 161; 946, p. 196; 988, p. 197). University of Nebraska. NE¼NE¼ sec. 6, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	5.52	Apr. 30	a 2.89	June 26	5.02	Sept.28	6.17
Feb. 27	5.27	May 30	4.06	Aug. 27	5.47	Nov. 30	5.45
Mar. 26	5.06						

a Highest observed stage in period of record.

294 (*817, p. 115; 840, p. 198; 845, p. 174; 886, p. 296; 908, p. 193; 908, p. 193; 938, p. 161; 946, p. 196; 988, p. 197). University of Nebraska. NE¼SE¼ sec. 6, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	4.28	Apr. 30	a 1.97	June 26	3.67	Sept.28	4.96
Feb. 27	4.10	May 30	3.00	Aug. 27	4.45	Nov. 30	4.35
Mar. 26	3.89						

a Highest observed stage in period of record.

295 (*817, p. 115; 840, p. 198; 845, p. 174; 886, p. 296; 908, p. 193; 938, p. 161; 946, p. 196; 988, p. 197). University of Nebraska. NE¼NE¼ sec. 7, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	7.00	Apr. 30	a 5.36	June 26	6.57	Sept.28	7.85
Feb. 27	6.98	June 11	6.49	Aug. 27	7.36	Nov. 30	7.25
Mar. 26	6.85						

a Highest observed stage in period of record.

296 (*817, p. 116; 840, p. 198; 845, p. 174; 886, p. 296; 908, p. 193; 938, p. 161; 946, p. 197; 988, p. 197). University of Nebraska. NE¼SE¼ sec. 7, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	6.52	Apr. 30	5.20	June 26	6.65	Sept.28	7.04
Feb. 27	6.38	June 11	6.37	Aug. 27	6.59	Nov. 30	6.82
Mar. 26	6.29						

297 (*817, p. 116; 840, p. 198; 845, p. 174; 886, p. 296; 908, p. 193; 938, p. 161; 946, p. 197; 988, p. 197). University of Nebraska. NE¼NE¼ sec. 18, T. 9 N., R. 21 W.

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297. University of Nebraska--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	5.24	Apr. 30	a 2.50	June 26	4.36	Sept.28	5.49
Feb. 27	4.98	June 11	4.06	Aug. 27	4.55	Nov. 30	5.60
Mar. 26	4.80						

a Highest observed stage in period of record.

298 (*817, p. 116; 840, p. 199; 845, p. 174; 886, p. 296; 908, p. 193; 938, p. 161; 946, p. 197; 988, p. 198). University of Nebraska. NE¼SE¼ sec. 18, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	5.32	Apr. 30	3.04	June 26	4.45	Sept.28	5.66
Feb. 27	5.13	June 11	4.26	Aug. 27	5.33	Nov. 30	5.70
Mar. 26	4.92						

299 (*817, p. 117; 840, p. 199; 845, p. 174; 886, p. 296; 908, p. 194; 946, p. 197; 988, p. 198). University of Nebraska. NE¼NE¼ sec. 19, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	3.98	Mar. 26	3.60	June 11	3.58	Aug. 27	4.31
Feb. 27	3.69	Apr. 30	2.59	26	3.93		

300 (*817, p. 117; 840, p. 199; 845, p. 174; 886, p. 296; 908, p. 194; 938, p. 161; 946, p. 197; 988, p. 198). University of Nebraska. NE¼NE¼ sec. 19, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	0.95	Mar. 26	0.55	June 11	0.46	Aug. 27	1.22
Feb. 27	.68	Apr. 30	(a)	26	1.09	Sept.28	1.55

a Above land-surface datum.

301 (*817, p. 118; 840, p. 199; 845, p. 174; 886, p. 296; 908, p. 194; 938, p. 161; 946, p. 197; 988, p. 198). University of Nebraska. NE¼SE¼ sec. 19, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 23	3.24	May 12	2.56	Aug. 27	3.39	Oct. 25	3.64
Feb. 27	3.01	June 11	2.94	Sept.18	4.20	Nov. 17	3.33
Mar. 26	2.95	30	3.94	29	3.80	30	2.77
Apr. 30	(a)	Aug. 14	4.25				

a Above land-surface datum.

302 (*817, p. 118; 840, p. 199; 845, p. 174; 886, p. 296; 908, p. 194; 938, p. 161; 946, p. 197; 988, p. 198). University of Nebraska. SE¼SE¼ sec. 19, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	5.09	Mar. 26	4.75	June 30	5.79	Sept.29	5.66
23	5.03	Apr. 30	4.12	Aug. 14	6.06	Oct. 25	5.37
Feb. 7	4.90	May 12	4.32	27	5.12	Nov. 17	5.16
27	4.77	June 11	5.16	Sept.18	5.99	30	5.16
Mar. 9	4.53						

303 (*817, p. 118; 840, p. 199; 845, p. 174; 886, p. 296; 908, p. 194; 938, p. 161; 946, p. 197; 988, p. 198). University of Nebraska. NW¼NW¼ sec. 29, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	2.83	Mar. 9	2.35	June 11	2.92	Sept.18	3.61
23	2.73	26	2.35	30	3.53	29	3.37
Feb. 7	2.62	Apr. 30	1.13	Aug. 14	3.85	Nov. 17	2.87
27	2.41	May 12	1.88	27	3.29	30	2.82

304 (*817, p. 119; 840, p. 199; 845, p. 174; 886, p. 296; 908, p. 194; 938, p. 161; 946, p. 197; 988, p. 199). University of Nebraska. NE¼SE¼ sec. 30, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	6.57	Mar. 26	6.43	June 30	6.55	Sept.29	6.67
23	6.48	Apr. 30	5.80	Aug. 14	6.94	Oct. 25	6.44
Feb. 7	5.99	May 12	5.89	27	6.61	Nov. 17	6.37
27	6.41	June 11	6.35	Sept.18	6.66	30	6.34
Mar. 9	6.39						

305 (*817, p. 119; 840, p. 199; 845, p. 174; 886, p. 297; 908, p. 194; 938, p. 161; 946, p. 197; 988, p. 199). University of Nebraska. NE¼NE¼ sec. 31, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	15.45	Mar. 26	15.09	June 30	14.30	Sept.29	15.24
23	15.19	Apr. 30	a 13.99	Aug. 14	15.89	Oct. 25	14.84
Feb. 7	15.15	May 12	14.04	27	15.34	Nov. 17	14.68
Mar. 9	15.03	June 11	14.15	Sept.18	14.99	30	14.66

a Highest observed stage in period of record.

306 (*817, p. 120; 840, p. 199; 845, p. 174; 886, p. 297; 908, p. 194; 938, p. 161; 946, p. 198; 988, p. 199). University of Nebraska. NE¼SE¼ sec. 31, T. 9 N., R. 21 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	13.20	Mar. 26	12.59	June 30	a 11.32	Sept.29	12.38
23	12.95	Apr. 30	11.82	Aug. 14	b 15.67	Oct. 25	12.04
Feb. 7	12.84	May 12	11.52	27	12.89	Nov. 17	11.83
27	12.84	June 11	a 11.32	Sept.18	11.89	30	11.79
Mar. 9	12.63						

a Highest observed stage in period of record. b Nearby well pumping.

308 (*817, p. 120; 840, p. 199; 845, p. 174; 886, p. 297; 908, p. 194; 938, p. 162; 946, p. 198; 988, p. 199). E. Fleming. NE¼NE¼ sec. 9, T. 10 N., R. 23 W. Water level, in feet below land-surface datum, 1944: Nov. 13, 14.60.

309 (*817, p. 120; 840, p. 199; 845, p. 174; 886, p. 297; 908, p. 194; 938, p. 162; 946, p. 198). J. Owings. NE¼SW¼ sec. 20, T. 11 N., R. 24 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 112.61. Water level in feet below land-surface datum, 1944: Nov. 13, 11.93.

310 (*817, p. 121; 840, p. 199; 845, p. 174; 886, p. 297; 908, p. 194; 946, p. 198). J. Block. SW¼SW¼ sec. 34, T. 12 N., R. 25 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 128.89. Water level, in feet below land-surface datum, 1944: Nov. 13, 28.03.

311 (*817, p. 121; 840, p. 199; 845, p. 174; 886, p. 297; 908, p. 194; 938, p. 162; 946, p. 198). E. Clark. SW¼SW¼ sec. 21, T. 11 N., R. 25 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 111.79. Water level, in feet below land-surface datum, 1944: Nov. 13, 9.82.

314 (*817, p. 121; 840, p. 200; 845, p. 174; 886, p. 297; 908, p. 194; *988, p. 199). C. Myers. NW¼SW¼ sec. 12, T. 9 N., R. 21 W. Water level, in feet below land-surface datum, 1944: Nov. 13, 11.19.

317 (*817, p. 121; 840, p. 200; 845, p. 174; 886, p. 297; 908, p. 194; 938, p. 162; 946, p. 198; *988, p. 199). University of Nebraska. NE¼NE¼ sec. 24, T. 9 N., R. 21 W. No measurements made in 1944.

318 (*817, p. 122; 840, p. 200; 845, p. 174; 886, p. 297; 908, p. 195; 938, p. 162; 946, p. 198; 988, p. 200). University of Nebraska. SE¼SE¼ sec. 17, T. 9 N., R. 22 W.

318. University of Nebraska--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	11.61	May 12	9.24	Sept.15	8.85	Nov. 17	8.30
Feb. 7	11.20	Aug. 14	9.08	Oct. 25	8.69	Dec. 6	7.95
Mar. 9	10.84						

319 (*817, p. 122; 840, p. 200; 845, p. 174; 886, p. 297; 908, p. 195; 938, p. 162; 946, p. 198; 988, p. 200). University of Nebraska. NE¼NE¼ sec. 29, T. 10 N., R. 22 W. No measurements made in 1944.

U44 (*988, p. 200). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 19, T. 11 N., R. 25 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	8.90	Apr. 4	8.60	June 23	a 6.92	Nov. 10	8.14
Feb. 8	8.96	May 18	6.98	Sept.20	8.49	Dec. 20	7.86
Mar. 16	8.61						

a Highest observed stage in period of record.

U45 (*988, p. 200). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 20, T. 11 N., R. 25 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	10.30	Apr. 4	9.65	June 23	a 7.74	Nov. 10	7.83
Feb. 8	10.18	May 18	8.18	Sept.20	9.52	Dec. 20	9.69
Mar. 16	9.75						

a Highest observed stage in period of record.

U48 (*988, p. 201). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 17, T. 10 N., R. 24 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	9.60	Apr. 4	9.14	Sept.15	5.50	Nov. 17	6.56
Feb. 4	9.51	May 12	7.62	Oct. 25	6.27	Dec. 6	6.74
Mar. 9	10.27	Aug. 14	a 5.34				

a Highest observed stage in period of record.

U49 (*988, p. 201). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 8, T. 11 N., R. 25 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	2.84	May 11	1.19	Sept.19	3.74	Nov. 23	2.80
Feb. 8	1.67	July 13	1.94	Oct. 11	3.31	Dec. 7	2.15
Mar. 8	1.39	Aug. 10	3.47				

U51 (*988, p. 202). Central Nebraska Public Power and Irrigation District. SE¼SW¼ sec. 30, T. 9 N., R. 23 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	6.80	Apr. 5	a 6.32	Sept.15	7.16	Nov. 17	7.12
Feb. 4	6.56	May 12	8.82	Oct. 25	7.19	Dec. 6	6.95
Mar. 9	6.40	Aug. 14	7.08				

a Highest observed stage in period of record.

U52 (*988, p. 202). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 6, T. 9 N., R. 22 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	6.04	Apr. 7	5.74	Sept.15	6.40	Nov. 17	6.29
Feb. 7	5.84	May 12	5.16	Oct. 25	6.39	Dec. 6	5.82
Mar. 9	5.59	Aug. 14	6.56				

U53 (*988, p. 203). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 1, T. 9 N., R. 22 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

U53. Central Nebraska Public Power and Irrigation District--Continued.
Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	3.41	Apr. 7	2.19	Sept.15	3.88	Nov. 17	3.16
Feb. 7	2.89	May 12	a 1.58	Oct. 25	3.32	Dec. 6	2.65
Mar. 9	3.24	Aug. 14	3.92				

a Highest observed stage in period of record.

U54 (*988, p. 203). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 12, T. 9 N., R. 23 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.
Water level, in feet below land-surface datum, 1944

Jan. 7	7.37	Apr. 7	6.95	Sept.15	5.44	Nov. 17	5.24
Feb. 7	7.25	May 12	6.40	Oct. 25	5.40	Dec. 6	a 5.12
Mar. 9	7.10	Aug. 14	5.26				

a Highest observed stage in period of record.

U55 (*988, p. 203). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 7, T. 9 N., R. 22 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.
Water level, in feet below land-surface datum, 1944

Jan. 7	5.39	Apr. 7	4.76	Sept.15	5.00	Nov. 17	4.81
Feb. 7	5.12	May 12	a 3.64	Oct. 25	5.05	Dec. 6	4.52
Mar. 9	4.91	Aug.	(b)				

a Highest observed stage in period of record.
b Irrigation water in road ditch.

U56 (*988, p. 204). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 16, T. 9 N., R. 22 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District. Water levels in feet below land-surface datum, 1944: Jan. 7, 10.86; Feb. 7, 10.47; Mar. 9, 10.14 (highest observed stage in period of record); May 12, 11.61.

U57 (*988, p. 204). Central Nebraska Public Power and Irrigation District. NW¼SW¼ sec. 23, T. 9 N., R. 22 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.
Water level, in feet below land-surface datum, 1944

Jan. 7	5.82	Mar. 9	5.40	Aug. 14	4.55	Oct. 25	4.80
Feb. 7	5.60	May 12	a 4.24	Sept.15	4.97	Nov. 17	4.63

a Highest observed stage in period of record.

U58 (*988, p. 205). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 26, T. 9 N., R. 22 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.
Water level, in feet below land-surface datum, 1944

Jan. 7	9.19	Mar. 9	8.64	Aug. 14	9.17	Oct. 25	8.38
Feb. 7	8.88	May 12	a 7.82	Sept.15	8.90	Nov. 17	8.07

a Highest observed stage in period of record.

U59 (*988, p. 205). Central Nebraska Public Power and Irrigation District. SW¼SE¼ sec. 25, T. 9 N., R. 22 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.
Water level, in feet below land-surface datum, 1944

Jan. 7	10.45	Mar. 9	9.63	Aug. 14	8.40	Oct. 25	7.95
Feb. 7	10.00	May 12	8.52	Sept.18	8.24	Nov. 17	a 7.70

a Highest observed stage in period of record.

U60 (*988, p. 206). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 31, T. 9 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.
Water level, in feet below land-surface datum, 1944

Jan. 7	11.42	Mar. 9	11.11	Aug. 14	11.86	Oct. 25	10.94
Feb. 7	11.24	May 12	a 10.19	Sept.18	11.15	Nov. 17	10.84

a Highest observed stage in period of record.

U61 (*988, p. 206). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 31, T. 9 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.
Water level, in feet below land-surface datum, 1944

Jan. 7	11.20	Mar. 9	10.61	Aug. 14	10.57	Oct. 25	11.51
Feb. 7	10.81	May 12	9.57	Sept.18	10.33	Nov. 17	a 9.53

a Highest observed stage in period of record.

U62 (*988, p. 206). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 32, T. 9 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	11.98	Mar. 9	11.89	Sept.18	11.76	Nov. 17	12.08
Feb. 16	11.90	May 12	10.87	Oct. 25	11.80		

U63 (*988, p. 207). Central Nebraska Public Power and Irrigation District. NE¼NW¼ sec. 4, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	8.82	Mar. 17	8.73	Sept.18	8.99	Nov. 17	8.62
Feb. 16	8.78	May 12	7.08	Oct. 25	8.96		

U64 (*988, p. 207). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 32, T. 9 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 7	4.43	Mar. 9	4.08	Sept.18	4.61	Nov. 17	4.33
Feb. 16	4.17	May 12	3.07	Oct. 25	4.43		

U73 (*988, p. 208). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 31, T. 9 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 7	36.70	Mar. 9	35.52	Aug. 15	(a)	Oct. 25	30.97
Feb. 7	36.00	May 12	33.09	Sept.18	31.50	Nov. 17	b 30.66

a Pumping. b Highest observed stage in period of record.

U74 (*988, p. 208). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 17, T. 9 N., R. 22 W. Measurements discontinued after Oct. 2, 1942.

U75 (*988, p. 208). Central Nebraska Public Power and Irrigation District. SE¼SW¼ sec. 17, T. 9 N., R. 22 W. Measurements discontinued after Oct. 2, 1942.

Deuel County

94 (*817, p. 122; 840, p. 200; 886, p. 297; 908, p. 195; 938, p. 162; 946, p. 198; 988, p. 209). W. Kimball. NW¼NW¼ sec. 1, T. 12 N., R. 42 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 107.69. Water level, in feet below land-surface datum, 1944: Nov. 17, 7.73.

130 (*817, p. 123; 840, p. 200; 845, p. 174; 886, p. 297; 908, p. 195; 946, p. 198). Mrs. Jacobson. SE¼NE¼ sec. 28, T. 13 N., R. 45 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 179.01. Measurements discontinued after Nov. 18, 1942; well destroyed.

130A. Replaces well 130. Mrs. Jacobson. SE¼NE¼ sec. 28, T. 13 N., R. 45 W. Used drilled domestic and stock well, diameter 4 inches, depth not known. New well 15 feet directly north of old well 130. Measuring point, top of casing, 1.2 feet above land-surface datum, 0.5 foot above measuring point of old well 130. Water level, in feet below land-surface datum, 1944: Nov. 17, 78.68.

Dixon County

107 (*817, p. 123; 840, p. 200; 845, p. 174; 886, p. 297). F. Beyeler. SE¼NE¼ sec. 7, T. 31 N., R. 4 E. No measurements made in 1944.

333 (*817, p. 123; 840, p. 200; 845, p. 174; 886, p. 297; 908, p. 195; 938, p. 162; 946, p. 198; 988, p. 209). F. Mille. SW¼SW¼ sec. 23, T. 30 N., R. 6 E. No measurements made in 1944.

340 (*817, p. 123; 840, p. 200; 845, p. 174; 886, p. 297; 908, p. 195; 938, p. 162; 946, p. 198; 988, p. 209). P. Lamb. NW¼SW¼ sec. 19, T. 31 N., R. 5 E. Dry; measurements discontinued.

Dodge County

31 (*817, p. 124; 840, p. 200; 845, p. 174; 886, p. 297; 908, p. 195; 938, p. 162; 946, p. 199; 988, p. 209). J. Wieser. SW¼SE¼ sec. 24, T. 17 N., R. 9 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 110.16. Water level, in feet below land-surface datum, 1944: Oct. 27, 5.80 (highest observed stage in period of record).

34 (*817, p. 124; 840, p. 201; 845, p. 174; 886, p. 297; 908, p. 195; 938, p. 162; 946, p. 199; 988, p. 209). R. Mahaffey. NW¼SW¼ sec. 8, T. 17 N., R. 6 E. Well destroyed; measurements discontinued after Oct. 9, 1941.

401 (*840, p. 201; 845, p. 174; 886, p. 298; 908, p. 195; 938, p. 162; 946, p. 199; *988, p. 209). University of Nebraska. NW¼SE¼ sec. 18, T. 18 N., R. 9 E. Water level, in feet below land-surface datum, 1944: Oct. 27, 9.19.

420 (*886, p. 298; 908, p. 195; 938, p. 162; 946, p. 199; 988, p. 209). University of Nebraska. NE¼NE¼ sec. 6, T. 17 N., R. 6 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 103.83. Water level, in feet below land-surface datum, 1944: Oct. 26, 2.75.

455 (*988, p. 209). City of Fremont. SE¼SE¼ sec. 28, T. 17 N., R. 8 E. Water level, in feet below land-surface datum, 1944: Oct. 26, 3.88.

456 (*988, p. 209). City of Fremont. SE¼NE¼ sec. 28, T. 17 N., R. 8 E. Water level, in feet below land-surface datum, 1944: Oct. 26, 3.66 (highest observed stage in period of record).

457 (*988, p. 209). City of Fremont. NW¼SW¼ sec. 22, T. 17 N., R. 8 E. Water level, in feet below land-surface datum, 1944: Oct. 26, 3.20 (highest observed stage in period of record).

458 (*988, p. 209). City of Fremont. SW. corner sec. 15, T. 17 N., R. 8 E. Well pulled; measurements discontinued after Oct. 14, 1943.

459 (*988, p. 210). City of Fremont. SE¼NE¼ sec. 16, T. 17 N., R. 8 E. Water level, in feet below land-surface datum, 1944: Oct. 26, 8.64 (highest observed stage in period of record).

460 (*988, p. 210). City of Fremont. NE. corner sec. 16, T. 17 N., R. 8 E. Water level, in feet below land-surface datum, 1944: Oct. 26, 10.16 (highest observed stage in period of record).

461 (*988, p. 210). City of Fremont. NE¼SE¼ sec. 9, T. 17 N., R. 8 E. Water level, in feet below land-surface datum, 1944: Oct. 26, 9.03 (highest observed stage in period of record).

462 (*988, p. 210). City of Fremont. SE. corner sec. 4, T. 17 N., R. 8 E. Water level, in feet below land-surface datum, 1944: Oct. 26, 7.81 (highest observed stage in period of record).

463. SE¼NE¼ sec. 4, T. 17 N., R. 8 E. Drilled observation well, diameter 2 inches, depth 31 feet. Measuring point, top of casing, 2.5 feet above land-surface datum and 1,200.36 feet above sea level.

Water level, in feet below land-surface datum, 1940-42, 1944

Date	Water level	Date	Water level	Date	Water level
Feb. 21, 1940	11.06	Oct. 22, 1940	10.52	Oct. 26, 1942	8.60
Mar. 20	10.85	8, 1941	10.08	26, 1944	a 6.72
July 10	10.10				

a Highest observed stage in period of record.

464 (*988, p. 210). City of Fremont. NE. corner sec. 4, T. 17 N., R. 8 E. Water level, in feet below land-surface datum, 1944: Oct. 26, 5.45.

467 (*988, p. 210). City of Fremont. SE¼SE¼ sec. 28, T. 18 N., R. 8 E. Water level, in feet below land-surface datum, 1944: Oct. 25, 26.36.

468 (*988, p. 210). City of Fremont. NE¼SE¼ sec. 28, T. 18 N., R. 8 E. Water level, in feet below land-surface datum, 1944: Oct. 26, 63.45.

Douglas County

24 (*817, p. 124; 840, p. 201; 845, p. 175; 886, p. 298; 908, p. 195; 938, p. 162; 946, p. 199; 988, p. 211). Robinson Seed Co. SE¼NW¼ sec. 4, T. 15 N., R. 10 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 107.32. Water level, in feet below land-surface datum, 1944: Oct. 27, 6.14.

Dundy County

177 (*817, p. 124; 840, p. 201; 845, p. 175; 886, p. 298; 908, p. 196; 938, p. 162; 946, p. 199; 988, p. 211). G. Russell. NW¼SW¼ sec. 21, T. 3 N., R. 37 W. No measurements made in 1944.

361 (*817, p. 125; 840, p. 201; 845, p. 175; 886, p. 298; 908, p. 196; 946, p. 199; 988, p. 211). O. Scrivner. SE¼NE¼ sec. 34, T. 1 N., R. 41 W. Water levels, in feet below land-surface datum, 1943: Mar. 4, 28.79; June 3, 29.15. No measurements made in 1944.

380 (*817, p. 125; 840, p. 201; 845, p. 175; 886, p. 298; 908, p. 196; 938, p. 162; 946, p. 199; 988, p. 211). L. Krutsinger. SW¼NE¼ sec. 21, T. 1 N., R. 39 W. Water level, in feet below land-surface datum, 1943: Mar. 4, 5.37; June 3, 5.48. No measurements made in 1944.

445 (*886, p. 298; 908, p. 196; 938, p. 163; 946, p. 199; 988, p. 211). University of Nebraska. NW¼SW¼ sec. 21, T. 1 N., R. 38 W. Water level, in feet below land-surface datum, 1943: Mar. 4, 7.95, June 3, 8.02. No measurements made in 1944.

Fillmore County

174 (*817, p. 125; 840, p. 202; 845, p. 175; 886, p. 298; 908, p. 196; 938, p. 163; 946, p. 199; 988, p. 211). G. Taylor. SW¼SW¼ sec. 29, T. 7 N., R. 2 W. No measurements made in 1944.

191 (*817, p. 125; 840, p. 202; 845, p. 175; 886, p. 298; 908, p. 196; 938, p. 163; 946, p. 199; 988, p. 211). E. Zelenke. NE¼SE¼ sec. 26, T. 7 N., R. 2 W. Well caved; measurements discontinued.

Franklin County

156 (*817, p. 126; 840, p. 202; 845, p. 175; 886, p. 299; 908, p. 196; 938, p. 163; 946, p. 199; 988, p. 211). J. Wessels. SE¼NW¼ sec. 36, T. 2 N., R. 15 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 128.26. Water level, in feet below land-surface datum, 1944: Dec. 9, 27.65 (highest observed stage in period of record).

221 (*817, p. 126; 840, p. 202; 845, p. 175; 886, p. 299; 908, p. 196; 938, p. 163; 946, p. 199; 988, p. 211). University of Nebraska. SE¼SE¼ sec. 36, T. 3 N., R. 14 W. No measurements made in 1944.

224 (*817, p. 126; 840, p. 202; 845, p. 176; 886, p. 299; 908, p. 196; 946, p. 199; 988, p. 211). Gilgen Bros. NE¼SE¼ sec. 10, T. 4 N., R. 14 W. No measurements made in 1944.

Frontier County

136 (*817, p. 127; 840, p. 202; 845, p. 175; 886, p. 299; 908, p. 196; 938, p. 163; 946, p. 200; 988, p. 211). O. Worley. NW¼SW¼ sec. 34, T. 7 N., R. 27 W. No measurements made in 1944.

Furnas County

145 (*817, p. 127; 840, p. 202; 845, p. 175; 886, p. 299; 908, p. 196; 938, p. 163; 946, p. 200; 988, p. 211). G. Sayer. NW¼NW¼ sec. 26, T. 4 N., R. 25 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 119.70. Water levels, in feet below land-surface datum, 1943: Mar. 11, 19.31; June 1, 19.12. Measurements discontinued on Sept. 13, 1943; well in use and measuring point sealed.

147 (*817, p. 127; 840, p. 202; 845, p. 175; 886, p. 299; 908, p. 196; 938, p. 163; 946, p. 200; 988, p. 211). H. Lambert. SW¼SW¼ sec. 34, T. 3 N., R. 23 W. No measurements made in 1944.

148 (*817, p. 127; 840, p. 202; 845, p. 175; 886, p. 300; 908, p. 196; 938, p. 163; 946, p. 200; 988, p. 212). E. Stockton. SE¼NE¼ sec. 19, T. 2 N., R. 22 W. Well destroyed; measurements discontinued.

149 (*817, p. 127; 840, p. 203; 845, p. 175; 886, p. 300; 908, p. 196; 946, p. 200; 988, p. 212). S. Shoemaker. NE¼NW¼ sec. 6, T. 1 N., R. 25 W. No measurements made in 1944.

180 (*817, p. 128; 840, p. 203; 845, p. 175; 886, p. 300; 908, p. 196; 938, p. 163; 946, p. 200; 988, p. 212). A. Askey. NE¼NE¼ sec. 1, T. 3 N., R. 21 W. No measurements made in 1944.

387 (*817, p. 128; 840, p. 203; 845, p. 175; 886, p. 300; 908, p. 197; 946, p. 200; 988, p. 212). J. Loar. SW¼SE¼ sec. 28, T. 2 N., R. 25 W. No measurements made in 1944.

388 (*817, p. 128; 840, p. 203; 845, p. 175; 886, p. 300; 908, p. 197; 938, p. 163; 946, p. 200; 988, p. 212). E. Hunt. SW¼SW¼ sec. 27, T. 2 N., R. 25 W. No measurements made in 1944.

395 (*840, p. 203; 845, p. 175; 886, p. 300; 908, p. 197; 938, p. 163; 946, p. 200; 988, p. 212). O. V. Moore. SE¼NW¼ sec. 23, T. 4 N., R. 23 W. Measuring point beginning Mar. 9, 1943, top of 6-inch galvanized-iron casing, 0.7 foot above land-surface datum, 0.66 foot lower than old measuring point. Water level, Mar. 9, 1943, 30.03 feet below measuring point. Water levels, in feet below land-surface datum: Mar. 9, 1943, 29.32 (highest observed stage in period of record); June 1, 1943, 29.45 (highest observed stage in period of record); Sept. 13, 1943, 30.89; Dec. 9, 1944, 29.70.

Gage County

199 (*840, p. 203; 845, p. 175; 886, p. 300; 908, p. 197; 946, p. 200; 988, p. 212). SE¼NE¼ sec. 27, T. 6 N., R. 8 E. Well destroyed; measurements discontinued after Oct. 16, 1942.

230 (*817, p. 128; 840, p. 203; 845, p. 175; 886, p. 300; 908, p. 197; 938, p. 163; 946, p. 200; 988, p. 212). J. Witzenburg. SW¼NW¼ sec. 10, T. 2 N., R. 6 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 172.46. Water level, in feet below land-surface datum, 1944: Sept. 13, 70.35.

231 (*817, p. 128; 840, p. 203; 845, p. 175; 866, p. 300; 908, p. 197; 938, p. 163; 946, p. 200; 988, p. 212). E. Miller. NE¼NW¼ sec. 31, T. 5 N., R. 5 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 148.39. Water level, in feet below land-surface datum, 1944: Oct. 30, 48.13 (highest observed stage in period of record).

Garden County

3 (*777, p. 93; 817, p. 129; 840, p. 203; 845, p. 175; 886, p. 300; 946, p. 200; 988, p. 212). Crescent Lake Migratory Bird Refuge. North side of Crescent Lake. Measurements supplied through courtesy of Fish and Wildlife Service, U. S. Dept. of Interior. Water level, in feet below land-surface datum, 1944: Dec. 19, 6.31

4 (*886, p. 300; 908, p. 197; 938, p. 163; 946, p. 200; 988, p. 212). Crescent Lake Migratory Bird Refuge. North side of Island Lake. Measurements supplied through courtesy of Fish and Wildlife Service, U. S. Dept. of Interior.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29	2.89	May 31	2.81	Dec. 6	3.51	Dec. 18	3.61
Apr. 1	2.31	June 30	3.11	12	3.53	27	3.51
May 1	1.91	Nov. 20	3.71				

5 (*908, p. 197; 938, p. 164; 946, p. 201; 988, p. 213). Crescent Lake Migratory Bird Refuge. Northwest of Smith Lake. Measurements supplied through courtesy of Fish and Wildlife Service, U. S. Dept. of Interior. Water level, in feet below land-surface datum, 1944: Dec. 20, 3.32.

12 (*908, p. 199; 938, p. 164; 946, p. 201; 988, p. 213). Crescent Lake Migratory Bird Refuge. Northwest corner of refuge. Measurements supplied through courtesy of Fish and Wildlife Service, U. S. Dept. of Interior. Water levels, in feet below land-surface datum, 1944: Dec. 5, 4.25; Dec. 12, 4.35; Dec. 18, 4.35; Dec. 27, 4.45.

17 (*886, p. 301; 908, p. 200; 938, p. 164; 946, p. 201; 988, p. 213). Crescent Lake Migratory Bird Refuge. Half a mile south of Bean Lake. Measurements supplied through courtesy of Fish and Wildlife Service, U. S. Dept. of Interior. Water level, in feet below land-surface datum, 1944: Dec. 20, 4.32.

19 (*886, p. 302; 908, p. 200; 938, p. 164; 946, p. 201; 988, p.213). Crescent Lake Migratory Bird Refuge. One mile southwest of Swan Lake. Measurements supplied through courtesy of Fish and Wildlife Service, U. S. Dept. of Interior. No measurements made in 1944.

21 (*886, p. 303; 908, p. 200; 938, p. 164; 946, p. 201; 988, p. 213). Crescent Lake Migratory Bird Refuge. West of Blue Lake. Measurements supplied through courtesy of Fish and Wildlife Service, U. S. Dept. of Interior. Water level, in feet below land-surface datum, 1944: Dec. 20, 3.32.

25 (*886, p. 304; 908, p. 200; 938, p. 165; 946, p. 201; 988, p. 213). Crescent Lake Migratory Bird Refuge. Half a mile south of Goose Lake. Measurements supplied through courtesy of Fish and Wildlife Service. U. S. Dept. of Interior. Water level, in feet below land-surface datum, 1944: Dec. 22, 3.96.

27 (*908, p. 200; 938, p. 165; 946, p. 201; 988, p. 213). Crescent Lake Migratory Bird Refuge. West of Island Lake. Measurements supplied through courtesy of Fish and Wildlife Service, U. S. Dept. of Interior. Water level, in feet below land-surface datum, 1944: Dec. 19, 7.00.

218 (*817, p. 129; 840, p. 204; 845, p. 176; 886, p. 305; 908, p. 202; 938, p. 165; 946, p. 202; 988, p. 213). University of Nebraska. NW¼NW¼ sec. 34, T. 17 N., R. 46 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 104.03. Water level, in feet below land-surface datum, 1944: Nov. 16, 4.29.

326 (*817, p. 129; 840, p. 204; 845, p. 176; 886, p. 305; 908, p. 202; 938, p. 165; 946, p. 203; 988, p. 214). G. Morris. SW¼SW¼ sec. 22, T. 17 N., R. 44 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 120.86. Water level, in feet below land-surface datum, 1944: Nov. 16, 27.22.

S11 (*988, p. 214). Central Nebraska Public Power and Irrigation District. NW¼SW¼ sec. 3, T. 15 N., R. 42 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

S11. Central Nebraska Public Power and Irrigation District--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 11	19.37	July 13	18.35	Sept.14	18.85
June 7	18.56	Aug. 8	18.63	Oct. 6	a 19.89

a Lowest observed stage in period of record.

S13 (*988, p. 214). Central Nebraska Public Power and Irrigation District. NE¼SW¼ sec. 1, T. 15 N., R. 42 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	16.80	July 13	16.19	Sept.14	17.45
June 7	16.76	Aug. 8	16.47	Oct. 6	17.60

Garfield County

55 (*817, p. 129; 840, p. 204; 845, p. 176; 886, p. 305; 908, p. 202; 938, p. 165; 946, p. 202; 988, p. 214). F. Robke. SW¼NE¼ sec. 31, T. 21 N., R. 16 W. No measurements made in 1944.

Gosper County

1 (*988, p. 215). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 2, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	5.79	Mar. 17	5.88	Sept.18	5.05	Nov. 17	6.36
Feb. 16	5.94	May 12	5.11	Oct. 25	6.26		

2 (*988, p. 215). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 11, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	4.55	Mar. 17	4.72	Sept.18	4.45	Nov. 17	5.05
Feb. 16	4.77	May 12	4.21	Oct. 25	5.02		

3 (*988, p. 216). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 12, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	9.45	Mar. 17	9.50	Sept.18	9.63	Nov. 17	9.60
Feb. 16	9.53	May 12	9.21	Oct. 25	9.72		

4 (*988, p. 216). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 12, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	6.59	Mar. 17	6.57	Sept.18	7.16	Nov. 17	7.00
Feb. 16	6.76	May 12	5.59	Oct. 25	7.02		

183 (*817, p. 130; 840, p. 204; 845, p. 176; 886, p. 305; 908, p. 202; 938, p. 165; 946, p. 202; 988, p. 217). M. Bernston. NE¼NE¼ sec. 12, T. 5 N., R. 22 W. No measurements made in 1944.

307 (*817, p. 130; 840, p. 204; 845, p. 176; 886, p. 305; 908, p. 202; 938, p. 165; 946, p. 202; 988, p. 217). Central Nebraska Public Power and Irrigation District. NE¼NW¼ sec. 6, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 7	14.49	Feb. 7	14.14	Mar. 9	13.81	May 12	a 13.16
23	14.31	27	14.09	26	13.84	June 11	(b)

a Highest observed stage in period of record.
b Well destroyed; measurements discontinued.

447 (*886, p. 305; 908, p. 202; 938, p. 166; 946, p. 202; 988, p. 217). University of Nebraska. NW¼NW¼ sec. 12, T. 5 N., R. 22 W. No measurements made in 1944.

U76 (*988, p. 217). Central Nebraska Public Power and Irrigation District. SE¼SW¼ sec. 8, T. 8 N., R. 22 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	180.65	Mar. 9	177.11	Aug. 14	168.80	Nov. 17	a 165.25
Feb. 7	178.32	May 12	173.78	Sept.18	167.19		

a Highest observed stage in period of record.

U81 (*988, p. 217). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 6, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 7	10.20	Mar. 9	10.16	Sept.18	9.55	Nov. 17	9.85
Feb. 16	10.18	May 12	9.85	Oct. 25	9.74		

U82 (*988, p. 218). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 6, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 7	24.30	Mar. 9	24.33	Sept.18	24.12	Nov. 17	25.62
Feb. 16	24.45	May 12	23.99	Oct. 25	27.69		

U83 (*988, p. 218). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 6, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 7	26.15	Mar. 19	26.25	Sept.18	26.05	Nov. 17	27.76
Feb. 16	26.35	May 12	26.04	Oct. 25	26.89		

U84 (*988, p. 218). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 6, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 7	42.85	Mar. 9	42.80	Sept.18	42.48	Nov. 17	42.89
Feb. 16	42.74	May 12	42.66	Oct. 25	a 42.42		

a Highest observed stage in period of record.

U85 (*988, p. 219). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 4, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 7	28.25	Mar. 9	28.32	Sept.18	28.18	Nov. 17	a 26.68
Feb. 16	28.21	May 12	28.11	Oct. 25	28.03		

a Highest observed stage in period of record.

U86 (*988, p. 219). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 5, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 7	20.57	Mar. 9	20.80	Sept.18	20.20	Nov. 17	22.59
Feb. 16	20.76	May 12	20.50	Oct. 25	21.54		

U87 (*988, p. 219). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 5, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 7	14.45	Mar. 9	14.77	Sept.18	14.13	Nov. 17	16.48
Feb. 16	14.69	May 12	14.27	Oct. 25	15.65		

U88 (*988, p. 220). Central Nebraska Public Power and Irrigation District NE¼NE¼ sec. 5, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	10.04	Mar. 9	10.18	Sept.18	10.10	Nov. 17	10.67
Feb. 16	10.11	May 12	9.22	Oct. 25	10.12		

U89 (*988, p. 220). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 3, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	4.71	Mar. 17	4.84	Sept.18	4.67	Nov. 17	4.80
Feb. 16	4.81	May 12	4.69	Oct. 25	4.73		

U90 (*988, p. 220). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 3, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	3.43	Mar. 17	3.44	Sept.18	3.45	Nov. 17	3.50
Feb. 16	3.44	May 12	3.46	Oct. 25	3.46		

U92 (*988, p. 221). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 4, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 8	6.93	Mar. 17	7.00	Oct. 25	7.29
Feb. 16	6.97	May 12	6.55	Nov. 17	9.32

U93 (*988, p. 221). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 4, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	8.91	Mar. 17	8.91	Sept.18	8.49	Nov. 17	10.45
Feb. 16	8.89	May 12	8.17	Oct. 25	9.07		

U95 (*988, p. 221). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 9, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District. Water levels, in feet below land-surface datum, 1944: Jan. 8, 31.69; Mar. 17, 31.44; May 12, 31.26 (highest observed stage in period of record); Sept.18, 31.68.

U96 (*988, p.222). Central Nebraska Public Power and Irrigation District. SW¼NE¼ sec. 3, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 8	6.18	May 12	4.97	Oct. 25	6.27
Mar. 19	5.48	Sept.18	5.57	Nov. 17	6.56

U97 (*988, p. 222). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 3, T. 8 N., R. 21 W. Measurement supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	12.04	Mar. 17	12.27	Sept.18	10.62	Nov. 17	12.28
Feb. 16	12.23	May 12	11.77	Oct. 25	12.02		

U98 (*988, p. 222). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 11, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	10.94	Mar. 17	11.62	Sept.18	10.17	Nov. 17	10.52
Feb. 16	11.35	May 12	10.19	Oct. 25	10.37		

U99 (*988, p. 223). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 10, T. 8 N., R. 21 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	16.27	Mar. 17	16.25	Sept.18	15.75	Nov. 17	15.82
Feb. 16	16.22	May 12	a 15.57	Oct. 25	15.75		

a Highest observed stage in period of record.

Grant County

215 (*817, p. 130; 840, p. 204; 845, p. 176; 886, p. 306; 908, p. 202; 938, p. 166; 946, p. 202; 988, p. 223). University of Nebraska. SW¼NE¼ sec. 25, T. 24 N., R. 37 W. No measurements made in 1944.

216 (*817, p. 131; 840, p. 204; 845, p. 176; 886, p. 306; 908, p. 202; 938, p. 166; 946, p. 202; 988, p. 223). University of Nebraska. NW¼NW¼ sec. 36, T. 24 N., R. 40 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 112.81. Water level, in feet below land-surface datum, 1944: Aug. 17, 13.53.

Greeley County

206 (*817, p. 131; 840, p. 204; 845, p. 176; 886, p. 206; 908, p. 202; 938, p. 166; 946, p. 202; 988, p. 223). University of Nebraska. SW¼SW¼ sec. 20, T. 20 N., R. 9 W. No measurements made in 1944.

347 (*817, p. 131; 840, p. 204; 845, p. 176; 886, p. 306; 908, p. 202; 938, p. 166; 946, p. 202; 988, p. 223). University of Nebraska. NW¼SW¼ sec. 10, T. 17 N., R. 10 W. No measurements made in 1944.

Hall County

244 (*817, p. 131; 840, p. 205; 845, p. 176; 886, p. 306; 908, p. 203; 938, p. 166; 946, p. 203; 988, p. 223). University of Nebraska. NW¼SW¼ sec. 27, T. 11 N., R. 9 W. Water level, in feet below land-surface datum, 1944: Apr. 16, 7.80.

246 (*817, p. 132; 840, p. 205; 845, p. 176; 886, p. 306; 908, p. 203; 938, p. 166; 946, p. 203; 988, p. 223). F. Dahlstrom. SW¼SW¼ sec. 8, T. 10 N., R. 10 W. Water level, in feet below land-surface datum, 1944: Apr. 14, 22.34.

247 (*817, p. 132; 840, p. 205; 845, p. 176; 886, p. 306; 908, p. 203; 988, p. 223). E. Batie. NW¼SW¼ sec. 36, T. 11 N., R. 11 W. Water level, in feet below land-surface datum, 1944: Apr. 14, 24.73.

248 (*988, p. 224). W. A. Bouton. SW¼SE¼ sec. 15, T. 10 N., R. 11 W. Water level, in feet below land-surface datum, 1944: Apr. 14, 19.64.

249 (*817, p. 133; 840, p. 205; 845, p. 176; 886, p. 306; 908, p. 203; 938, p. 166; 988, p. 224). F. Hughes. NW¼SW¼ sec. 32, T. 11 N., R. 11 W. Water level, in feet below land-surface datum, 1944: Apr. 4, 35.08.

258 (*817, p. 133; 840, p. 205; 845, p. 176; 886, p. 306; 908, p. 203; 938, p. 166; 946, p. 203; 988, p.224). J. Weldon. SW¼NW¼ sec. 30, T. 10 N., R. 11 W. Water levels, in feet below land-surface datum, 1944: Apr. 14, 21.46; Aug. 18, 23.92.

259 (*817, p. 133; 840, p. 205; 845, p. 176; 886, p. 306; 908, p. 203; 938, p. 166; 946, p. 203; 988, p. 224). J. Kipp. SW¼SE¼ sec. 1, T. 9 N., R. 12 W. Water level, in feet below land-surface datum, 1944: Apr. 14, 6.12.

260 (*817, p. 134; 840, p. 205; 845, p. 176; 886, p. 306; 908, p. 203; 938, p. 166; 946, p. 203; 988, p.224). S. Spahr. NE¼NW¼ sec. 9, T. 9 N., R. 12 W. Water level, in feet below land-surface datum, 1944: Apr. 14, 23.18; Aug. 18, 22.05.

261 (*817, p. 134; 840, p. 205; 845, p. 176; 886, p. 306; 908, p. 203; 946, p. 203; 988, p. 224). J. Barron. SE¼SE¼ sec. 20, T. 10 N., R. 12 W. No measurements made in 1944.

GI202 (*886, p. 306; 908, p. 203; 938, p. 166; 946, p. 203; 988, p.224). City of Grand Island. NW¼SW¼ sec. 27, T. 12 N., R. 9 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 108.50.

Water level, in feet below land-surface datum, 1943-44.

Date	Water level	Date	Water level	Date	Water level
Mar. 24, 1943	a 7.50	Jan. 15, 1944	8.34	July 7, 1944	a 5.20
Aug. 23	a 8.46	Feb. 26	8.25	Sept.11	6.56
Oct. 11	a 8.52				

a Highest observed stage in period of record.

GI203 (*836-E, pp. 252, 271; 886, p. 307; 908, p. 203; 938, p. 166; 946, p. 203; 988, p. 225). City of Grand Island. NE¼NE¼ sec. 32, T. 12 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 12.04; Feb. 26, 12.06; July 7, 9.00 (highest observed stage in period of record); Sept. 11, 9.92.

GI204 (*836-E, pp. 252, 271; 886, p. 307; 908, p. 203; 938, p. 166; 946, p. 203; 988, p. 225). City of Grand Island. SW¼SW¼ sec. 32, T. 12 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 11.84; Feb. 26, 11.96; July 7, 9.46 (highest observed stage in period of record); Sept. 11, 9.58.

GI207 (*836-E, pp. 252, 272; 886, p. 307; 908, p. 203; 938, p. 166; 946, p. 204; 988, p. 225). City of Grand Island. SW¼NW¼ sec. 3, T.11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 16.43; July 10, 13.08; Sept. 11, 13.68.

GI208 (*836-E., pp. 252, 272; 886, p. 308; 908, p. 203; 938, p. 166; 946, p. 204; 988, p. 225). City of Grand Island. SE¼SW¼ sec. 4, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	16.56	May 29	15.27	Oct. 9	14.04
Apr. 3	16.44	Aug. 7	13.78		

GI209 (*836-E, pp. 252, 272; 886, p. 308; 908, p. 203; 938, p. 166; 946, p. 204; 988, p. 225). City of Grand Island. SW¼SW¼ sec. 4, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	15.70	May 29	15.04	Oct. 9	13.43
Apr. 3	15.66	Aug. 7	13.85	Dec. 18	13.16

GI210 (*836-E, pp. 252, 272; 886, p. 308; 908, p. 203; 938, p. 166; 946, p. 204; 988, p. 225). City of Grand Island. NE¼SE¼ sec. 8, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

GI210. City of Grand Island--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Feb. 28	19.08	May 29	20.90	Oct. 9	a 16.48
Apr. 3	19.16	Aug. 7	19.66	Dec. 18	19.33

a Highest observed stage in period of record.

GI211 (*836-E, pp. 252, 272; 886, p. 308; 908, p. 203; 938, p. 167; 946, p. 204; 988, p. 225). City of Grand Island. NW¼SE¼ sec. 8, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	17.10	May 29	16.06	Oct. 9	14.37
Apr. 3	18.31	Aug. 7	14.75	Dec. 18	14.33

GI212 (*836-E, pp. 252, 272; 886, p. 309; 908, p. 203; 938, p. 166; 946, p. 204; 988, p. 225). City of Grand Island. NE¼NE¼ sec. 9, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	23.08	May 29	22.02	Oct. 9	20.22
Apr. 3	22.78	Aug. 7	22.60	Dec. 18	a 19.33

a Highest observed stage in period of record.

GI214 (*836-E, pp. 252, 273; 886, p. 309; 908, p. 203; 938, p. 167; 946, p. 204; 988, p. 226). City of Grand Island. SE¼NW¼ sec. 9, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	21.98	May 29	20.20	Oct. 9	18.10
Apr. 3	20.62	Aug. 7	18.83	Dec. 18	18.00

GI215 (*836-E, pp. 252; 273; 886, p. 309; 908, p. 204; 938, p. 167; 946, p. 204; 988, p. 226). City of Grand Island. SW¼SW¼ sec. 9, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Apr. 3	23.16	Aug. 7	21.16	Dec. 18	20.33
May 29	23.00	Oct. 9	a 20.22		

a Highest observed stage in period of record.

GI216 (*836-E, pp. 252, 273; 886, p. 309; 908, p. 204; 938, p. 167; 946, p. 204; 988, p. 226). City of Grand Island. NE¼SE¼ sec. 9, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	30.44	May 29	29.92	Oct. 9	29.37
Apr. 3	30.22	Aug. 7	28.88	Dec. 18	27.58

GI217 (*836-E., pp. 252, 273; 886, p. 310; 908, p. 204; 938, p. 167; 946, p. 205; 988, p. 226). City of Grand Island. SE¼SE¼ sec. 9, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	29.96	May 29	29.32	Oct. 9	28.04
Apr. 3	30.36	Aug. 7	28.40	Dec. 18	27.42

GI218 (*836-E, pp. 252, 273; 886, p. 310; 908, p. 204; 938, p. 167; 946, p. 205; 988, p. 226). City of Grand Island. NE¼NE¼ sec. 10, T. 11 N., R. 9 W. No measurements made in 1944.

GI219 (*836-E, pp. 252, 274; 886, p. 310; 908, p. 204; 938, p. 167; 946, p. 205; 988, p. 226). City of Grand Island. SW¼SE¼ sec. 15, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 7.25; Feb. 26, 6.85; July 10, 4.60 (highest observed stage in period of record); Sept. 11, 6.60.

GI220 (*836-E., pp. 252, 274; 886, p. 310; 908, p. 204; 938, p. 167; 946, p. 205; 988, p. 226). City of Grand Island. NW¼NE¼ sec. 14, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Apr. 3, 6.75; May 29, 4.14; July 7, 3.83 (highest observed stage in period of record); Sept. 11, 6.00.

GI221 (*836-E, pp. 252, 274; 886, p. 311; 908, p. 204; 938, p. 167; 946, p. 205; 988, p. 226). City of Grand Island. NW¼NW¼ sec. 15, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Feb. 28	30.94	May 29	29.83	Oct. 9	29.25
Apr. 3	31.93	Aug. 7	30.12	Dec. 18	29.75

GI222 (*836-E. pp. 252, 274; 886, p. 311; 908, p. 204; 938, p. 167; 946, p. 205; 988, p. 226). City of Grand Island. NW¼NW¼ sec. 15, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	28.50	May 29	27.38	Oct. 9	26.76
Apr. 3	28.50	Aug. 7	26.56	Dec. 18	26.16

GI223 (*836-E, pp. 252, 274; 886, p. 311; 908, p. 204; 938, p. 167; 946, p. 205; 988, p.227). City of Grand Island. SW¼SW¼ sec. 15, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	12.35	May 29	a 6.04	Oct. 9	7.04
Apr. 3	12.83	Aug. 7	7.22		

a Highest observed stage in period of record.

GI224 (*836-E., pp. 252, 275; 886, p. 311; 908, p. 204; 946, p. 205; 988, p. 227). City of Grand Island. NW¼SE¼ sec. 15, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Apr. 3	10.18	Aug. 7	8.15	Dec. 18	8.75
May 29	a 8.14	Oct. 9	8.70		

a Highest observed stage in period of record.

GI225 (*836-E., pp. 252, 275; 886, p. 312; 908, p. 204; 938, p. 167; 946, p. 205; 988, p. 227). City of Grand Island. SE¼SE¼ sec. 15, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water level, in feet below land-surface datum, 1944: Jan. 15, 9.16; Feb. 26, 9.10; July 7, 6.06 (highest observed stage in period of record); Sept. 11, 7.68.

GI226 (*836-E, pp. 253, 275; 886, p. 312; 908, p. 204; 938, p. 167; 946, p. 206; 988, p. 227). City of Grand Island. SE¼NE¼ sec. 16, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	34.60	May 29	33.98	Oct. 9	32.79
Apr. 3	35.87	Aug. 7	34.40	Dec. 18	32.33

GI227 (*836-E, pp. 253, 275; 886, p. 312; 908, p. 204: 938, p. 167; 946, p. 206; 988, p. 227). City of Grand Island. SW¼NW¼ sec. 16, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	32.00	May 29	31.85	Oct. 9	a 29.50
Apr. 3	32.14	Aug. 7	30.06	Dec. 18	26.83

a Highest observed stage in period of record.

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GI229 (*836-E., pp. 253, 276; 886, p. 313; 908, p. 204; 938, p. 167; 946, p. 206; 988, p. 227). City of Grand Island. NE¼SW¼ sec. 16, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Apr. 3	38.62	Aug. 7	34.74	Dec. 18	a 31.58
May 29	38.40	Oct. 9	36.25		

a Highest observed stage in period of record.

GI230 (*836-E, pp. 253, 276; 886, p. 313; 908, p. 204; 938, p. 167; 946, p. 206; 988, p. 227). City of Grand Island. NW¼SW¼ sec. 16, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	32.16	May 29	31.77	Oct. 9	29.02
Apr. 3	32.04	Aug. 7	29.90	Dec. 18	a 28.43

a Highest observed stage in period of record.

GI231 (*836-E, pp. 253, 276; 886, p. 313; 908, p. 205; 938, p. 167; 946, p. 206; 988, p. 227). City of Grand Island. NW¼SE¼ sec. 16, T. 11 N., R. 9 W. Measurements supplied tnrough courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Feb. 28, 33.70; May 29, 33.23; Aug. 7, 31.74; Oct. 9, 31.50.

GI232 (*836-E, pp. 253, 276; 886, p. 313; 908, p. 205; 938, p. 167; 946, p. 206; 988, p. 228). City of Grand Island. NE¼NW¼ sec. 17, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	18.75	May 29	17.23	Oct. 9	17.25
Apr. 3	18.81	Aug. 7	a 15.16	Dec. 18	15.58

a Highest observed stage in period of record.

GI233 (*836-E, pp. 253, 276, 886, p. 314; 908, p. 205; 938, p. 167; 946, p. 206; 988, p. 228). City of Grand Island. SE¼NW¼ sec. 17, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	21.96	May 29	21.21	Oct. 9	a 18.01
Apr. 3	21.92	Aug. 7	18.30	Dec. 18	18.66

a Highest observation stage in period of record.

GI234 (*836-E, pp. 253, 277; 886, p. 314; 908, p. 205; 938, p. 167; 946, p. 206; 988, p. 228). City of Grand Island. SE¼SW¼ sec. 17, T. 11 N., R. 9 W. Measurements have been supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Apr. 3	24.14	Aug. 7	20.76	Dec. 18	27.25
May 29	23.56	Oct. 9	a 20.00		

a Highest observed stage in period of record.

GI236 (*836-E, pp. 253, 277; 886, p. 314; 908, p. 205; 938, p. 167; 946, p. 207; 988, p. 228). City of Grand Island. NW¼NW¼ sec. 20, T. 11 N., R. 9 W. No measurements made in 1944.

GI237 (*836-E, pp. 253, 277; 886, p. 314; 908, p. 205; 938, p. 167; 946, p. 207; 988, p. 228). City of Grand Island. NW¼NW¼ sec. 21, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Feb. 28	31.10	May 29	30.64	Oct. 9	28.60
Apr. 3	31.07	Aug. 7	29.52	Dec. 18	a 28.50

a Highest observed stage in period of record.

GI238 (*836-E, pp. 253, 277; 886, p. 315; 908, p. 205; 938, p. 167; 946, p. 207; 988, p. 228). City of Grand Island. SE¼NW¼ sec. 21, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Feb. 28	31.85	May 29	a 36.27	Dec. 18	29.93
Apr. 3	31.81	Oct. 9	30.01		

a Lowest observed stage in period of record.

GI239 (*836-E, pp. 253, 277; 886, p. 315; 908, p. 205; 938, p. 167; 946, p. 207; 988, p. 228). City of Grand Island. NW¼SW¼ sec. 22, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 10.18; Sept. 11, 8.50.

GI240 (*836-E, pp. 253, 278; 886, p. 315; 908, p. 205; 938, p. 168; 946, p. 207; 988, p. 228). City of Grand Island. NE¼NE¼ sec. 20, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 5.77; Feb. 26, 5.64; July 7, 2.56 (lowest observed stage in period of record); Sept. 11, 4.92.

GI241 (*836-E, pp. 253, 278; 886, p. 315; 908, p. 205; 938, p. 168; 946, p. 207; 988, p. 229). City of Grand Island. NE¼NW¼ sec. 28, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 15.48; Feb. 26, 15.60 (lowest observed stage, in period of record); July 7, 12.75; Sept. 11, 13.28.

GI242 (*836-E, pp. 253, 278; 886, p. 316; 908, p. 205; 938, p. 168; 946. p. 207; 988, p. 229). City of Grand Island. NW¼NW¼ sec. 29, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 23.54; Feb. 26, 23.46; July 7, 19.98; Sept. 11, 19.92.

GI243 (*836-E, pp. 253, 278; 886, p. 316; 946, p. 207; 988, p. 229). City of Grand Island. SW¼SW¼ sec. 32, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 4.98; Feb. 26, 4.87; July 7, 2.14; Sept. 11, 4.34.

GI244 (*836-E, pp. 253, 278; 886, p. 316; 908, p. 205; 938, p. 168; 946, p. 207; 988, p. 229). City of Grand Island. NE¼NE¼ sec. 24, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 5.96; Feb. 26, 5.83; July 7, 2.54 (highest observed stage in period of record); Sept. 11, 4.77.

GI246 (*836-E, pp. 253, 279; 886, p. 316; 908, p. 205; 938, p. 168; 946, p. 208; 988, p. 229). City of Grand Island. NE¼SW¼ sec. 34, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 6.02; Feb. 26, 6.00; July 7, 2.50 (highest observed stage in period of record); Sept. 11, 4.79.

GI247 (*836-E, pp. 253, 279; 886, p. 317; 908, p. 205; 938, p. 168; 946, p. 208; 988, p. 229). City of Grand Island. SW¼SE¼ sec. 35, T. 11 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 4.48; Feb. 26, 5.98; July 7, 2.50 (highest observed stage in period of record); Sept. 11, 4.20.

GI248 (*836-E, pp. 253, 279; 886, p. 317; 908, p. 205; 938, p. 168; 946, p. 208; 988, p. 229). City of Grand Island. NW¼SW¼ sec. 3, T. 10 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 5.73; Feb. 26, 5.46; July 7, 2.98; Sept. 11, 5.16.

GI249 (*836-E, pp. 253, 279; 886, p. 317; 908, p. 206; 938, p. 168; 946, p. 208; 988, p. 229). City of Grand Island. NW¼SE¼ sec. 4, T. 10 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 5.50; Feb. 26, 5.29; July 7, 2.46 (highest observed stage in period of record); Sept. 11, 4.92.

GI250 (*836-E, pp. 253, 279; 886, p. 317; 908, p. 206; 938, p. 168; 946, p. 208; 988, p. 229). City of Grand Island. SW¼SW¼ sec. 8, T. 10 N., R. 9 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 4.94; Feb. 26, 4.42; July 7, 2.50; Sept. 11, 5.27.

GI251 (*836-E, pp. 253, 280; 886, p. 318; 908, p. 206; 938, p. 168; 946, p. 208; 988, p. 230). City of Grand Island. SW¼SW¼ sec. 1, T. 12 N., R. 10 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 10.76; Feb. 26, 10.89; July 7, 7.72 (highest observed stage in period of record); Sept. 11, 8.04.

GI252 (*836-E, pp. 253, 280; 886, p. 318; 908, p. 206; 938, p. 168; 946, p. 208, 988, p. 230). City of Grand Island. SW¼SE¼ sec. 11, T. 12 N., R. 10 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 10.98; Feb. 26, 11.08; July 7, 8.08; Sept. 11, 7.92.

GI253 (*836-E, pp. 253, 280; 886, p. 318; 908, p. 206; 938, p. 168; 946, p. 208; 988, p. 230). City of Grand Island. NW¼NE¼ sec. 13, T. 11 N., R. 10 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 13.82; Feb. 26, 13.87; July 7, 10.83; Sept. 11, 10.33 (highest observed stage in period of record).

GI254 (*836-E, pp. 253, 280; 886, p. 318; 908, p. 206; 938, p. 168; 946, p. 208; 988, p. 230). City of Grand Island. NW¼SW¼ sec. 24, T. 11 N., R. 10 W. Measurements have been supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 18.17; Feb. 26, 18.33; July 7, 14.81; Sept. 11, 14.42 (highest observed stage in period of record).

GI255 (*836-E, pp. 253, 280; 886, p. 319; 946, p. 208; 988, p. 230). City of Grand Island. SE¼SE¼ sec. 26, T. 11 N., R. 10 W. Measurements supplied through courtesy of Grand Island Water Department. Water levels, in feet below land-surface datum, 1944: Jan. 15, 9.70; Feb. 26, 9.66; July 7, 5.64 (highest observed stage in period of record); Sept. 11, 7.64.

Hamilton County

158 (*817, p. 135; 840, p. 205; 845, p. 176; 886, p. 319; 938, p. 168; 946, p. 209; 988, p. 230). O. Swedberg. NW¼SW¼ sec. 14, T. 11 N., R. 6 W. To convert water levels from feet above assumed datum, as published in Water-Supply Papers 817, 840, and 845, to feet below land-surface datum, subtract from 190.21. Water levels, published incorrectly in Water-Supply Paper 908 should read as follows, in feet above datum, 1941: Jan. 21, 96.22, Oct. 30, 98.04. Water level, published incorrectly in Water-Supply Paper 946 should read as follows, in feet above datum, 1942: Nov. 10, 97.28.

Water level, in feet below land-surface datum, 1937-42

Date	Water level	Date	Water level	Date	Water level
Oct. 22, 1937	91.13	June 17, 1939	91.99	Jan. 21, 1941	93.99
June 30, 1938	91.12	Nov. 13	92.25	Oct. 30	92.17
Oct. 30	91.94	Apr. 11, 1940	92.60	Nov. 10, 1942	92.93

160 (*817, p. 135; 840, p. 205; 845, p. 176; 886, p. 319; 908, p. 206; 938, p. 168; 946, p. 209; 988, p. 230). R. Phillips. SW¼SE¼ sec. 9, T. 9 N., R. 8 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 154.98. Water level, in feet below land-surface datum, 1944: Oct. 25, 58.33 (lowest observed stage in period of record).

173 (*817, p. 135; 840, p. 206; 845, p. 176; 886, p. 319; 908, p. 206; 938, p. 168; 946, p. 209; 988, p. 230). T. Wild. NW¼NW¼ sec. 34, T. 9 N., R. 6 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 141.02. Water level, in feet below land-surface datum, 1944: Oct. 25, 39.75.

330 (*817, p. 135; 840, p. 206; 845, p. 176; 886, p. 319; 908, p. 206; 946, p. 209; 988, p. 230). H. Lock. SW¼SW¼ sec. 27, T. 13 N., R. 6 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 108.91. Water level, in feet below land-surface datum, 1944: Oct. 25, 9.60.

Harlan County

155 (*817, p. 136; 840, p. 206; 845, p. 177; 886, p. 319; 908, p. 206; 938, p. 168; 946, p. 209; 988, p. 230). C. Feese. SE¼SW¼ sec. 33, T. 2 N., R. 18 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 114.25. Water level, in feet below land-surface datum, 1944: Dec. 9, 11.17.

222 (*817, p. 136; 840, p. 206; 845, p. 177; 886, p. 319; 908, p. 206; 946, p. 209; 988, p. 230). University of Nebraska. NW¼NW¼ sec. 27, T. 3 N., R. 17 W. No measurements made in 1944.

329 (*817, p. 136; 840, p. 206; 845, p. 177; 886, p. 319; 908, p. 206; 938, p. 168; 946, p. 209; 988, p. 230). G. Remke. NE¼SE¼ sec. 21, T. 3 N., R. 17 W. No measurements made in 1944.

389 (*817, p. 136; 840, p. 206; 845, p. 177; 886, p. 319; 908, p. 206; 938, p. 168; 946, p. 209; 988, p. 230). H. McArthur. SE¼SE¼ sec. 15, T. 2 N., R. 18 W. Well destroyed; measurements discontinued.

Hayes County

141 (*817, p. 136; 840, p. 206; 845, p. 177; 886, p. 319; 908, p. 207; 938, p. 269; 946, p. 209; 988, p. 231). E. Joy. SW¼NW¼ sec. 25, T. 5 N., R. 32 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 144.27. Water level, in feet below land-surface datum, 1943: Mar. 8, 43.23. No measurements made in 1944.

142 (*817, p. 136; 840, p. 206; 845, p. 177; 886, p. 319; 908, p. 207; 938, p. 169; 946, p. 209; 988, p. 231). Laird & Ward. SW¼NE¼ sec. 4, T. 7 N., R. 32 W. No measurements made in 1944.

446 (*886, p. 320; 908, p. 207; 938, p. 169; 946, p. 209; 988, p.231). University of Nebraska. SW¼SE¼ sec. 31, T. 5 N., R. 33 W. Water level, in feet below land-surface datum, 1944: Dec. 9, 13.04.

Hitchcock County

140 (*817, p. 137; 840, p. 206; 845, p. 177; 886, p. 320; 908, p. 207; 938, p. 169; 946, p. 209; 988, p. 231). A. Nowka. SE¼SW¼ sec. 26, T. 4 N., R. 32 W. No measurements made in 1944.

178 (*817, p. 137; 840, p. 206; 845, p. 177; 886, p. 320; 908, p. 207; 938, p. 169; 946, p. 209; 988, p. 231). O. Brownfield. SW¼NW¼ sec. 21, T. 2 N., R. 35 W. Well destroyed; measurements discontinued after Oct. 28, 1941.

178A. Mrs. David Engerham. NE¼SW¼ sec. 20, T. 2 N., R. 35 W. Drilled well, diameter 4 inches, depth not known. Measuring point, top of casing, northwest edge at filed notch, 1 foot above land-surface datum. Water levels, in feet below land-surface datum, 1943: Jan. 7, 9.98; Mar. 4, 9.86; June 4, 10.10; Sept. 9, 10.66. No measurements made in 1944.

178B. Mrs. David Engerham. NE¼SW¼ sec. 20, T. 2 N., R. 35 W. Drilled well, diameter 4 inches, depth not known. Measuring point, top of wooden casing, 18 inches square, south side at filed notch, 0.5 foot above land-surface datum. Water levels, in feet below land-surface datum, 1943: Jan. 7, 12.29; Mar. 4, 12.18; June 4, 12.43; Sept. 9, 12.99. No measurements made in 1944.

362 (*817, p. 137; 840, p. 206; 845, p. 177; 886, p. 320; 908, p. 207; 938, p. 169; 946, p. 210; 988, p. 231). S. Lawrence. SW¼SE¼ sec. 35, T. 3 N., R. 33 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 110.87. Water level, in feet below land-surface datum, 1943: Mar. 4, 9.59; June 4, 9.71; Sept. 9, 10.91. No measurements made in 1944.

Holt County

112 (*817, p. 137; 840, p. 207; 845, p. 177; 886, p. 320; 908, p. 207; 946, p. 210; 988, p. 231). G. Shoemaker. NE¼NW¼ sec. 14, T. 29 N., R. 12 W. No measurements made in 1944; windmill pumping.

113 (*817, p. 137; 840, p. 207; 845, p. 177; 886, p. 320; 908, p. 207; 946, p. 210; 988, p. 231). F. Juracek. NW¼NE¼ sec. 10, T. 29 N., R. 14 W. No measurements made in 1944.

203 (*817, p. 137; 840, p. 207; 845, p. 177; 886, p. 320; 908, p. 207; 938, p. 169; 946, p. 210; 988, p. 231). University of Nebraska. NE¼SE¼ sec. 34, T. 27 N., R. 9 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	8.06	Apr. 29	5.59	July 30	8.17	Nov. 28	9.32
Feb. 28	8.46	May 29	7.39	Aug. 27	9.41	Dec. 29	9.02
Mar. 29	8.20	June 29	6.62	Oct. 30	6.48		

373 (*817, p. 138; 840, p. 207; 845, p. 177; 886, p. 320; 908, p. 207; 938, p. 169; 946, p. 210; 988, p. 231). University of Nebraska. NE¼NE¼ sec. 29, T. 28 N., R. 14 W. No measurements made in 1944.

374 (*817, p. 138; 840, p. 207; 845, p. 177; 886, p. 320; 908, p. 207; 938, p. 169; 946, p. 210; 988, p. 231). L. Nessen. SW¼NW¼ sec. 28, T. 27 N., R. 14 W. No measurements made in 1944.

424 (*886, p. 320; 908, p. 207; 938, p. 169; 946, p. 210). University of Nebraska. NE¼NE¼ sec. 24, T. 26 N., R. 12 W. No measurements made in 1944.

428 (*886, p. 320; 908, p. 207; 938, p. 169; 946, p. 210; 988, p.231). University of Nebraska. SE¼SE¼ sec. 27, T. 27 N., R. 9 W. Water level, in feet below land-surface datum, 1944: Feb. 28, 7.95; May 29, 4.70 (highest observed stage in period of record); July 30, 4.89; Oct. 30, 5.85.

Hooker County

214 (*817, p. 138; 840, p. 207; 845, p. 177; 886, p. 320; 908, p. 207; 938, p. 169; 946, p. 210; 988, p. 232). University of Nebraska. SE¼SE¼ sec. 23, T. 24 N., R. 35 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 111.66. Water level, in feet below land-surface datum, 1944: Aug. 17, 18.94 (lowest observed stage in period of record).

Howard County

46 (*817, p. 138; 840, p. 207; 845, p. 177; 886, p. 321; 908, p. 207; 938, p. 169; 946, p. 210; 988, p.232). University of Nebraska. NW¼NW¼ sec. 14, T. 14 N., R. 10 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 107.50. Water level, in feet below land-surface datum, 1944: July 18, 5.91 (highest observed stage in period of record).

51 (*817, p. 138; 840, p. 207; 845, p. 177; 886, p. 321; 908, p. 207; 938, p. 169; 946, p. 210; 988, p. 232). Placke Estate. NE¼SW¼ sec. 27, T. 13 N., R. 9 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 119.96. Water level, in feet below land-surface datum, 1944: July 18, 20.06.

59 (*817, p. 139; 840, p. 207; 845, p. 177; 886, p. 321; 908, p. 207; 938, p. 169; 946, p. 210; 988, p. 232). M. Augustyn. SW¼SE¼ sec. 27, T. 16 N., R. 11 W. No measurements made in 1944.

98 (*817, p. 139; 840, p. 207; 845, p. 177; 886, p. 321; 908, p. 208; 938, p. 169; 946, p. 210; 988, p. 232). O. Young. NE¼NW¼ sec. 29, T. 13 N., R. 12 W. No measurements made in 1944.

346 (*817, p. 139; 840, p. 207; 845, p. 177; 886, p. 321; 908, p. 208; 938, p. 169; 946, p. 210; 988, p. 232). University of Nebraska. SW¼SE¼ sec. 15, T. 15 N., R. 10 W. No measurements made in 1944.

Jefferson County

226 (*817, p. 139; 840, p. 208; 845, p. 177; 886, p. 321; 908, p. 208; 938, p. 169; 946, p. 210; 988, p. 232). C. Ellis. SE¼SE¼ sec. 26, T. 2 N., R. 4 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 119.66. Water level, in feet below land-surface datum, 1944: Sept. 13, 11.84 (highest observed stage in period of record).

227 (*817, p. 139; 840, p. 208; 845, p. 177; 886, p. 321; 908, p. 208; 946, p. 211; 988, p. 232). R. Garrett. SW¼NE¼ sec. 19, T. 1 N., R. 4 E. No measurements made in 1944.

228 (*817, p. 139; 840, p. 208; 845, p. 177; 886, p. 321; 908, p. 208; 938, p. 169; 946, p. 211; 988, p. 232). A. Knispel. NE¼NW¼ sec. 14, T. 3 N., R. 1 E. No measurements made in 1944.

229 (*817, p. 140; 840, p. 208; 845, p. 177; 886, p. 321; 908, p. 208; 938, p. 169; 946, p. 211; 988, p. 232). E. Simpkins. NW¼SW¼ sec. 18, T. 4 N., R. 2 E. No measurements made in 1944.

Johnson County

2 (*817, p. 140; 840, p. 208; 845, p. 177; 886, p. 321; 908, p. 208; 938, p. 169; 946, p. 211; 988, p. 232). L. Miller. NW¼NW¼ sec. 26, T. 6 N., R. 9 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 133.23. Water level, in feet below land-surface datum, 1944: Oct. 24, 36.03 (lowest observed stage in period of record).

31 (*817, p. 140; 840, p. 208; 845, p. 177; 886, p. 321; 908, p. 208). E. Graf. SW¼NW¼ sec. 25, T. 4 N., R. 11 E. Well destroyed July 6, 1940; measurements discontinued.

Kearney County

181 (*817, p. 140; 840, p. 208; 845, p. 177; 886, p. 321; 908, p. 208; 938, p. 170; 946, p. 211; 988, p. 232). E. Carlson. NW¼NW¼ sec. 20, T. 6 N., R. 16 W. No measurements made in 1944.

266 (*817, p. 140; 840, p. 208; 845, p. 177; 886, p. 321; 908, p. 208; 938, p. 170; 946, p. 211; 988, p. 232). H. Jensen. NW¼SE¼ sec. 13, T. 8 N., R. 14 W. Water level, in feet below land-surface datum, 1944: Apr. 15, 8.81.

Keith County

93 (*817, p. 141; 840, p. 208; 845, p. 177; 908, p. 208; 938, p. 170; 946, p. 211; 988, p. 233). D. Thiessen. SW¼SW¼ sec. 5, T. 13 N., R. 25 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 15	8.26	July 12	7.95	Sept.16	8.42
June 8	7.44	Aug. 11	8.34	Oct. 9	8.71

255 (*817, p. 141; 840, p. 208; 845, p. 177; 886, p. 321; 908, p. 208; 938, p. 170; 946, p. 211; 988, p. 233). University of Nebraska. NW¼NE¼ sec. 30, T. 16 N., R. 38 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 111.0. Water level, in feet below land-surface datum, 1944: Nov. 16, 12.08.

348 (*817, p. 141; 840, p. 208; 845, p. 177; 886, p. 321; 908, p. 208; 946, p. 211; 988, p. 233). E. Pueppke. SW¼SE¼ sec. 12, T. 13 N., R. 25 W. No measurements made in 1944.

350 (*817, p. 142; 840, p. 209; 845, p. 177; 886, p.321; 908, p. 208; 938, p. 170; 946, p. 211; 988, p. 233). NW¼NE¼ sec. 3, T. 13 N., R. 37 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 15	13.91	Aug. 11	13.75	Nov. 18	14.65
July 12	13.68	Oct. 9	14.62		

358 (*817, p. 143; 840, p. 209; 845, p. 178; 886, p. 322; 908, p. 209; 938, p. 170; 946, p. 212; 988, p.233). G. McGinely. SE¼SW¼ sec. 19, T. 13 N., R. 39 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 141.14. Water level, in feet below land-surface datum, 1944: Nov. 17, 43.30.

360 (*817, p. 143; 840, p. 209; 845, p. 178; 886, p. 322; 908, p. 209; 938, p. 170; 946, p. 212; 988, p. 233). G. Peters Estate. SE¼SE¼ sec. 34, T. 13 N., R. 39 W. No measurements made in 1944.

E1 (*988, p. 233). Central Nebraska Public Power and Irrigation District. NE¼SW¼ sec. 35, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	7.67	July 10	7.55	Sept.15	7.50
June 6	7.37	Aug. 9	7.64	Oct. 5	7.50

E2 (*988, p. 234). Central Nebraska Public Power and Irrigation District. SW¼NE¼ sec. 34, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	7.41	July 10	6.63	Sept.15	6.68
June 6	7.51	Aug. 9	6.04	Oct. 13	7.30

E3 (*988, p. 234). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 34, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	9.31	July 10	8.49	Sept.15	8.64
June 6	9.32	Aug. 9	8.04	Oct. 13	9.50

E6 (*988, p. 234). Central Nebraska Public Power and Irrigation District. SW¼SE¼ sec. 36, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	7.87	July 10	7.50	Sept.11	8.02
June 6	6.95	Aug. 7	8.05	Oct. 5	8.02

E7 (*988, p. 234). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 5, T. 14 N., R. 37 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	4.50	July 10	4.53	Sept.11	4.81
June 6	3.86	Aug. 7	4.62	Oct. 5	4.79

E8 (*988, p. 235). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 29, T. 15 N., R. 37 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 10	5.75	July 10	4.70	Sept.11	5.72
June 6	3.75	Aug. 7	5.52	Oct. 5	6.31

E9 (*988, p. 236). Central Nebraska Public Power and Irrigation District. NW¼NE¼ sec. 5, T. 14 N., R. 37 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	5.55	July 10	5.15	Sept.11	5.45
June 6	4.77	Aug. 7	5.06	Oct. 5	5.64

E11 (*988, p. 236). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 4, T. 14 N., R. 37 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	5.81	July 10	4.95	Sept.11	5.48
June 6	4.37	Aug. 7	5.31	Oct. 5	5.65

E12 (*988, p. 237). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 11, T. 14 N., R. 37 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	6.26	July 10	5.44	Sept.11	5.88
June 6	4.91	Aug. 7	5.79	Oct. 13	6.17

E13 (*988, p. 237). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 12, T. 14 N., R. 37 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	5.39	July 10	5.30	Sept.11	5.82
June 6	4.26	Aug. 7	5.73	Oct. 13	5.84

E14 (*988, p. 237). Central Nebraska Public Power and Irrigation District. NW¼SW¼ sec. 8, T. 14 N., R. 36 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	6.80	July 10	6.53	Sept.11	7.60
June 6	5.41	Aug. 7	7.61	Oct. 13	8.40

E15 (*988, p. 238). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 15, T. 14 N., R. 36 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	6.17	July 10	6.29	Sept.11	6.22
June 6	5.21	Aug. 7	6.34	Oct. 13	a 7.40

a Lowest observed stage in period of record.

E16 (*988, p. 238). Central Nebraska Public Power and Irrigation District. NW¼SE¼ sec. 16, T. 14 N., R. 35 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District

Water level, in feet below land-surface datum, 1944

Jan. 17	7.18	July 17	6.97	Sept.16	8.32
June 9	5.20	Aug. 11	8.14	Oct. 13	8.03

E17 (*988, p. 239). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 13, T. 14 N., R. 35 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

E17. Central Nebraska Public Power and Irrigation District--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 17	4.35	July 17	4.95	Sept.16	5.69
June 9	3.55	Aug. 11	5.61	Oct. 13	5.33

E18 (*988, p. 239). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 27, T. 14 N., R. 35 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	5.84	July 17	5.45	Sept.16	5.34
June 9	5.51	Aug. 11	4.30	Oct. 13	5.39

E19 (*988, p. 240). Central Nebraska Public Power and Irrigation District. NW¼SE¼ sec. 3, T. 14 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	4.03	July 10	3.08	Sept.15	3.25
June 6	3.94	Aug. 9	2.73	Oct. 13	3.77

E20 (*988, p. 240). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 28, T. 14 N., 35 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	3.25	July 17	3.71	Sept.16	3.54
June 8	3.44	Aug. 11	3.90	Oct. 13	3.52

E21 (*988, p. 240). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 24, T. 14 N., R. 35 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	5.39	July 17	4.83	Sept.16	3.78
June 9	5.35	Aug. 11	4.05	Oct. 13	3.76

E37 (*988, p. 241). Central Nebraska Public Power and Irrigation District. NE¼SW¼ sec. 3, T. 13 N., R. 36 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	8.03	July 12	8.80	Sept.16	9.51
June 8	8.31	Aug. 11	9.26	Oct. 9	9.71

N1 (*938, p. 170; 946, p. 212). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 30, T. 15 N., R. 38 W. Measurements supplied through the courtesy of the Central Nebraska Public Power and Irrigation District. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract 0.81. Measurements discontinued after Feb. 26, 1941.

N4 (*908, p. 209; 938, p. 170; 946, p. 212; 988. p. 241). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 20, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	17.64	July 11	17.39	Sept.11	17.37
June 6	17.42	Aug. 7	17.38	Oct. 5	17.34

N5 (*908, p. 209; 938, p. 170; 946, p. 212; 988, p. 242). Central Nebraska Public Power and Irrigation District. NW¼ sec. 16, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	9.86	July 11	10.04	Sept.11	10.18
June 6	9.42	Aug. 7	10.19	Oct. 5	10.25

N6 (*908, p. 210; 938, p. 170; 946, p. 212; 988, p. 242). Central Nebraska Public Power and Irrigation District. SE¼ sec. 4, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

N6. Central Nebraska Public Power and Irrigation District--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 10	4.46	July 11	4.51	Sept.11	4.70
June 6	4.19	Aug. 7	4.57	Oct. 5	4.75

N7 (*908, p. 210; 938, p. 170; 946, p. 212; 988, p. 242). Central Nebraska Public Power and Irrigation District. NW¼ sec. 34, T. 16 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	10.05	July 11	9.81	Sept.11	10.03
June 6	9.63	Aug. 7	9.95	Oct. 5	10.06

N8 (*988, p. 242). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 33, T. 16 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

June 6	1.79	Aug. 7	1.90	Oct. 5	1.40
July 11	1.60	Sept.11	1.60		

N9 (*908, p. 211; 938, p. 171; 946, p. 212; 988, p. 243). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 28, T. 16 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	13.02	July 11	12.92	Sept.11	13.46
June 6	12.28	Aug. 7	13.31	Oct. 5	13.32

N10 (*988, p. 243). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 21, T. 16 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District. Water level, in feet below land-surface datum, 1944: Jan. 10, 9.12. Well plugged; measurements discontinued.

N11 (*886, p. 322; 908, p. 211; 938, p. 171; 946, p. 212; 988, p. 243). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 9, T. 16 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District. Water levels, in feet below land-surface datum, 1944: Jan. 10, 14.48; June 6, 14.60.

N12 (*988, p. 244). Central Nebraska Public Power and Irrigation District. NE¼ sec. 7, T. 16 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	9.21	July 11	8.89	Sept.11	9.39
June 6	8.56	Aug. 7	9.20	Oct. 5	9.41

N13 (*988, p. 244). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 7, T. 16 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	7.99	July 11	7.15	Sept.11	7.67
June 6	6.76	Aug. 7	7.32	Oct. 5	7.73

N14 (*988, p. 245). Central Nebraska Public Power and Irrigation District. NW¼NE¼ sec. 30, T. 16 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	9.87	July 11	9.91	Sept.11	10.08
June 6	9.71	Aug. 7	10.05	Oct. 5	10.11

N15 (*988, p. 245). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 36, T. 16 N., R. 39 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 10	5.21	July 11	5.24	Sept.11	5.57
June 6	4.28	Aug. 7	5.71	Oct. 5	5.53

N16 (*988, p. 246). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 1, T. 15 N., R. 39 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 1	11.43	July 11	6.88	Sept.11	a 4.02
June 6	9.65	Aug. 7	8.04	Oct. 5	5.04

a Highest observed stage in period of record.

N17 (*988, p. 246). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 7, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	8.60	July 11	8.49	Sept.11	8.62
June 6	8.50	Aug. 7	8.55	Oct. 5	(a)

a Dry.

N18 (*908, p. 211; 938, p. 171; 946, p. 212; 988, p. 247). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 21, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	21.69	July 11	20.11	Sept.11	19.55
June 6	20.43	Aug. 7	19.86	Oct. 5	a 19.35

a Highest observed stage in period of record.

N19 (*988, p. 247). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 23, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	10.53	July 11	10.25	Sept.11	10.69
June 6	10.27	Aug. 7	10.40	Oct. 5	10.28

N20 (*988, p. 248). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 36, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 10	10.48	July 11	9.92	Sept.11	10.48
June 6	9.55	Aug. 7	10.27	Oct. 5	a 10.56

a Lowest observed stage in period of record.

N23 (*988, p. 248). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 27, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District. Water levels, in feet below land-surface datum, 1944: Jan. 17, 3.32; June 6, 1.64 (Highest observed stage in period of record). Well flooded from July through the end of the year.

N24 (*988, p. 249). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 17, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	7.24	July 13	6.96	Sept.14	7.05
June 7	6.66	Aug. 8	7.23	Oct. 6	8.10

N25 (*908, p. 212; 938, p. 171; 946, p. 213; 988, p. 250). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 5, T. 15 N., R. 39 W. Measurements supplied through courtesy of Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 11	35.45	July 13	35.52	Sept.14	35.56
June 7	35.49	Aug. 8	35.54	Oct. 6	35.58

N26 (*988, p. 250). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 32, T. 16 N., R. 39 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	9.94	July 13	10.03	Sept.14	10.47
June 7	9.81	Aug. 8	10.17	Oct. 6	10.49

N27 (*988, p. 250). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 29, T. 16 N., R. 39 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District. Water level, in feet below land-surface datum, 1944: Jan. 11, 10.79; June 7, 10.33. Well plugged; measurements discontinued.

N28 (*988, p. 251). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 20, T. 16 N., R. 39 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	9.38	July 13	9.29	Sept.14	9.61
June 7	9.03	Aug. 8	9.45	Oct. 6	9.63

N30 (*988, p. 251). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 7, T. 16 N., R. 39 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	8.75	July 13	7.69	Sept.14	8.59
June 7	8.47	Aug. 8	8.41	Oct. 6	8.65

N32 (*988, p. 252). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 2, T. 16 N., R. 40 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	10.73	July 13	10.76	Sept.14	10.87
June 7	10.72	Aug. 8	10.80	Oct. 6	10.89

N33 (*988, p. 253). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 14, T. 16 N., R. 40 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	11.84	July 13	11.81	Sept.14	12.27
June 7	11.52	Aug. 8	12.03	Oct. 6	12.20

N37 (*886, p. 323; 938, p. 171; 908, p. 212; 946, p. 213; 988, p. 253). Central Nebraska Public Power and Irrigation District. SW¼SE¼ sec. 34, T. 16 N., R. 41 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	12.57	July 13	12.64	Sept.14	14.17
June 7	11.66	Aug. 8	13.50	Oct. 6	14.79

N40 (*988, p. 253). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 35, T. 16 N., R. 42 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District. Water level, in feet below land-surface datum, 1944: Jan. 11, 11.23. Well plugged; measurements discontinued.

N41 (*908, p. 213; 938, p. 171; 946, p. 213; 988, p. 254). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 24, T. 15 N., R. 39 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 10	55.91	July 11	55.48	Sept.14	54.98
June 6	55.91	Aug. 7	55.27	Oct. 5	a 54.91

a Highest observed stage in period of record.

N42 (*908, p. 213; 938, p. 172; 946, p. 213; 988, p. 254). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 28, T. 15 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

June 6	61.05	Aug. 7	59.76	Oct. 5	a 50.69
July 11	60.22	Sept.11	59.59		

a Highest observed stage in period of record.

S10 (*908, p. 213; 938, p. 172; 946, p. 213; 988, p. 254). Central Nebraska Public Power and Irrigation District. SE¼SW¼ sec. 3, T. 14 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	15.00	July 10	13.58	Sept.15	13.57
June 6	13.57	Aug. 9	a 13.40	Oct. 13	13.62

a Highest observed stage in period of record.

S16 (*908, p. 214; 938, p. 172; 946, p. 213; 988, p. 254). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 10, T. 14 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	187.12	Aug. 9	185.75	Oct. 13	a 185.32
July 10	186.18	Sept.15	186.60		

a Highest observed stage in period of record.

S18 (*886, p. 323; 908, p. 214; 938, p. 172; 946, p. 213; 988, p. 255). NE¼NW¼ sec. 17, T. 14 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	159.05	July 10	158.08	Sept.15	158.47
June 6	158.00	Aug. 9	157.67	Oct. 13	a 156.92

a Highest observed stage in period of record.

S19 (*908, p. 214; 938, p. 172; 946, p. 213; 988, p. 255). SW¼NE¼ sec. 7, T. 14 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	153.35	July 10	152.29	Sept.14	a 150.45
June 6	151.86	Aug. 9	151.30	Oct. 14	150.62

a Highest observed stage in period of record.

S20 (*908, p. 215; 938, p. 172; 946, p. 214; 988, p. 255). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 2, T. 14 N., R. 39 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	180.03	July 10	179.32	Sept.14	a 174.70
June 6	176.06	Aug. 9	175.55	Oct. 14	174.75

a Highest observed stage in period of record.

S21 (*886, p. 327; 908, p. 215; 938, p. 172; 946, p. 214; 988, p.255). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 4, T. 14 N., R. 34 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 17	105.43	July 10	105.48	Sept.14	105.23
June 6	105.45	Aug. 9	105.38	Oct. 14	105.42

S22 (*908, p. 215; 938, p. 172; 946, p. 214; 988, p. 255). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 31, T. 15 N. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	91.83	July 13	89.72	Sept.14	88.93
June 7	90.22	Aug. 9	89.34	Oct. 6	a 89.29

a Highest observed stage in period of record.

S23 (*886, p. 323; 908, p. 216; 938, p. 173; 946, p. 214; 988, p.255). C. Samuelson. SE¼SE¼ sec. 27, T. 15 N., R. 40 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	106.28	July 13	105.44	Sept.14	a 105.10
June 7	105.39	Aug. 9	105.35	Oct. 6	105.45

a Highest observed stage in period of record.

S24 (*908, p. 216; 938, p. 173; 946, p. 214; 988, p. 256). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 17, T. 15 N., R. 40 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District. Water levels, in feet below land-surface datum, 1944: Jan. 11, 72.55; June 7, 72.38. Well destroyed; measurements discontinued.

S25 (*988, p. 256). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 1, T. 13 N., R. 39 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	5.69	July 10	3.86	Sept.16	5.79
June 8	4.74	Aug. 11	5.10	Oct. 9	6.03

S26 (*908, p. 216; 938, p. 173; 946, p. 214; 988, p. 256). Central Nebraska Public Power and Irrigation District. NE¼NW¼ sec. 3, T. 13 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	14.16	July 12	14.38	Sept.16	15.15
June 8	12.60	Aug. 8	14.60	Oct. 9	15.18

S27 (*908, p. 217; 938, p. 173; 946, p. 214; 988, p. 256). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 5, T. 13 N., R. 37 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	11.74	July 12	12.03	Sept.16	12.67
June 8	11.45	Aug. 8	12.34	Oct. 9	12.73

S28 (*988, p. 257). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 6, T. 13 N., R. 36 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	5.23	July 12	5.48	Sept.16	6.04
June 8	5.04	Aug. 11	5.78	Oct. 9	6.10

S29 (*988, p. 257). Central Nebraska Public Power and Irrigation District. NW¼SE¼ sec. 6, T. 13 N., R. 38 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 15	13.33	July 10	13.36	Sept.16	a 14.63
June 8	12.48	Aug. 11	13.80	Oct. 14	14.53

a Lowest observed stage in period of record.

S32 (*908, p. 217; 938, p. 173; 946, p. 214; 988, p. 258). Ellen Kelley. SW¼SE¼ sec. 32, T. 14 N., R. 39 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 17	27.18	July 10	21.52	Sept.14	22.18
June 6	23.36	Aug. 9	21.30	Oct. 14	23.60

S34 (*988, p. 258). Mary E. Paul. NE¼NE¼ sec. 26, T. 15 N., R. 40 E. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 11	43.08	July 13	35.91	Sept.14	37.76
June 7	37.47	Aug. 9	35.97	Oct. 6	39.08

Keya Paha County

375 (*817, p. 143; 840, p. 209; 845, p. 178; 886, p. 324; 908, p. 218; 938, p. 174; 946, p. 214; 988, p. 259). University of Nebraska. SW¼SE¼ sec. 19, T. 32 N., R. 20 W. No measurements made in 1944.

Kimball County

88 (*817, p. 143; 840, p. 208; 845, p. 178; 886, p. 324; 908, p. 218; 938, p. 174; 946, p. 215; 988, p. 259). W. Settlemire. NW¼NW¼ sec. 32, T. 15 N., R. 57 W.

Water level, in feet below land-surface datum, 1944

Apr. 28	34.54	Aug. 30	34.80	Oct. 31	33.89
May 31	34.59	Sept.30	34.95	Dec. 3	34.69

89 (*817, p. 144; 840, p. 210; 845, p. 178; 886, p. 324; 908, p. 218; 938, p. 174; 946, p. 215; 988, p. 259). H. McGowan. NE¼NE¼ sec. 12, T. 16 N., R. 54 W. No measurements made in 1944.

327 (*817, p. 144; 840, p. 210; 845, p. 178; 886, p. 324; 908, p. 218; 938, p. 174; 946, p. 215; 988, p. 259). Kimball Irrigation District. SW¼SW¼ sec. 17, T. 15 N., R. 55 W. No measurements made in 1944.

Knox County

67 (*817, p. 144; 840, p. 210; 845, p. 178; 886, p. 324; 908, p. 218; 938, p. 174; 946, p. 215; 988, p. 259). W. Krohn. NE¼NE¼ sec. 11, T. 30 N., R. 3 W. No measurements made in 1944.

71 (*817, p. 144; 840, p. 210; 845, p. 178; 886, p. 324; 908, p. 218; 938, p. 174; 946, p. 215; 988, p. 259). F. Stingley. SE¼NE¼ sec. 28, T. 29 N., R. 5 W. No measurements made in 1944.

335 (*817, p. 145; 840, p. 210; 845, p. 178; 886, p. 324; 908, p. 218; 938, p. 174; 946, p. 215; 988, p. 259). University of Nebraska. NW¼SW¼ sec. 30, T. 33 N., R. 7 W. No measurements made in 1944.

336 (*817, p. 145; 840, p. 210; 845, p. 178; 886, p. 324; 908, p. 218; 938, p. 174; 946, p. 215; 988, p. 259). W. MacGraw. SE¼SE¼ sec. 8, T. 32 N., R. 6 W. No measurements made in 1944.

370 (*817, p. 145; 840, p. 211; 845, p. 178; 886, p. 324; 908, p. 218; 938, p. 174; 946, p. 215; 988, p. 259). Lunberg Bros. SE¼SE¼ sec. 27, T. 29 N., R. 2 W. No measurements made in 1944.

429 (*886, p. 324; 908, p. 218; 938, p. 174; 946, p. 215; 988, p. 259). University of Nebraska. SW¼NW¼ sec. 30, T. 33 N., R. 7 W. No measurements made in 1944.

Lancaster County

1 (*817, p. 145; 840, p. 210; 908, p. 219; 938, p. 174; 946, p. 215; 988, p. 259). Mrs. Burling. NE¼SE¼ sec. 34, T. 7 N., R. 7 E. No measurements made in 1944.

13 (*817, p. 145; 840, p. 210; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 174; 946, p. 215; 988, p. 259). Miss Brady. NE¼NE¼ sec. 21, T. 9 N., R. 5 E. No measurements made in 1944.

14 (*817, p. 145; 840, p. 210; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 174; 946, p. 215; 988, p. 260). W. Brightenburg. NW¼NE¼ sec. 6, T. 11 N., R. 6 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 120.24. Water level, in feet below land-surface datum, 1944: Oct. 26, 18.07.

366 (*817, p. 146; 840, p. 210; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 174; 946, p. 215; 988, p. 260). H. Hollan. SW¼SW¼ sec. 28, T. 9 N., R. 7 E. No measurements made in 1944.

367 (*817, p. 146; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 946, p. 216; 988, p. 260). F. Jappert. SW¼SW¼ sec. 35, T. 10 N., R. 6 E. No measurements made in 1944.

Lincoln County

131 (*817, p. 146; 908, p. 219; 938, p. 174; 946, p. 216; 988, p. 260). Great Western Sugar Co. NW¼NW¼ sec. 21, T. 14 N., R. 32 W. No measurements made in 1944.

133 (*817, p. 146; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 174; 946, p. 216; 988, p. 260). R. Larson. SW¼SW¼ sec. 32, T. 10 N., R. 29 W. No measurements made in 1944.

134 (*817, p. 146; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 174; 946, p. 216; 988, p. 260). G. Roethemeyer. NW¼SW¼ sec. 4, T. 9 N., R. 29 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 371.97. Water level, in feet below land-surface datum, 1944: Dec. 8, 271.68.

143 (*817, p. 146; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 174; 946, p. 216; 988, p. 260). G. Connealy. SE¼NE¼ sec. 18, T. 10 N., R. 34 W. No measurements made in 1944; well caved at 162 feet.

144 (*817, p. 147; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 174; 946, p. 216; 988, p. 260). J. Fristo. SW¼SW¼ sec. 17, T. 10 N., R. 32 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 247.54. Water level, in feet below land-surface datum, 1944: Dec. 8, 147.94.

241 (*817, p. 147; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 174; 946, p. 216; 988, p. 260). University of Nebraska. NE¼NE¼ sec. 14, T. 12 N., R. 27 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	6.49	May 11	3.61	Sept.19	6.88	Nov. 23	6.63
Feb. 8	6.34	July 13	6.24	Oct. 11	6.84	Dec. 7	6.00
Mar. 8	6.16	Aug. 10	6.34	Nov. 14	6.69		

242 (*817, p. 147; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 175; 946, p. 216; 988, p. 260). Nebraska Agricultural College. NW¼NW¼ sec. 21, T. 13 N., R. 30 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 6	12.15	Aug. 10	12.25	Oct. 11	12.70
Mar. 15	11.77	Sept.19	12.74	Dec. 8	12.63

252 (*817, p. 147; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 175; 946, p. 216; 988, p. 260). University of Nebraska. SE¼SE¼ sec. 13, T. 15 N., R. 31 W. No measurements made in 1944.

253 (*817, p. 147; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 175; 946, p. 216; 988, p. 260). University of Nebraska. NW¼NE¼ sec. 4, T. 16 N., R. 31 W. No measurements made in 1944.

383 (*817, p. 147; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 946, p. 216; 988, p.260).. Lech Bros. NW¼NE¼ sed. 4, T. 16 N., R. 31 W. No measurements made in 1944.

384 (*817, p. 148; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 175; 946, p. 216; 988, p. 260). A. Howard. SE¼NW¼ sec. 14, T. 11 N., R. 30 W. Casing sealed off by new pump; measurements discontinued.

385 (*817, p. 148; 840, p. 211; 845, p. 178; 886, p. 325; 908, p. 219; 938, p. 175; 946, p. 216; 988, p. 261). E. Kugler. SE¼SW¼ sec. 33, T. 10 N., R. 30 W. Well destroyed; measurements discontinued.

405 (*886, p. 325; 908, p. 220; 938, p. 175; 946, p. 216; 988, p. 261). University of Nebraska. NE¼SE¼ sec. 17, T. 14 N., R. 33 W.

Water level, in feet below land-surface datum, 1944

Jan. 15	3.54	July 12	1.99	Sept.16	(a)
June 8	2.37	Aug. 15	(a)	Oct. 9	2.10

a Flooded.

406 (*886, p. 327; 908, p. 220; 938, p. 175). University of Nebraska. SE¼SW¼ sec. 32, T. 14 N., R. 33 W. No measurements made in 1944.

600 (*988, p. 261). Geol. Survey, U. S. Dept. of Interior. NE¼SE¼ sec. 27, T. 14 N., R. 33 W.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.36	5.33	4.97	4.78	4.19	3.74	4.45	4.67	5.12	5.16	5.12	5.11
2	5.36	5.33	4.94	4.78	4.10	3.80	4.48	4.69	5.14	5.15	5.12	5.10
3	5.37	5.33	4.91	4.78	4.01	3.85	4.52	4.71	5.16	5.14	5.12	5.10
4	5.37	5.32	4.89	4.79	3.92	3.92	4.54	4.75	5.17	5.13	5.12	5.10
5	5.35	5.31	4.87	4.79	3.84	3.99	4.57	4.77	5.17	5.13	5.12	5.09
6	5.35	5.29	4.86	4.79	3.79	4.02	4.59	4.78	5.17	5.13	5.12	5.00
7	5.35	5.28	4.86	4.79	3.73	4.05	4.62	4.80	5.18	5.13	5.13	5.06
8	5.34	5.26	4.85	4.79	3.69	4.09	4.63	4.82	5.20	5.13	5.14	5.03
9	5.35	5.25	4.84	4.79	3.61	4.14	4.65	4.85	5.21	5.13	5.14	5.01
10	5.36	5.23	4.83	4.79	3.53	4.16	4.66	4.88	5.21	5.13	5.14	4.99
11	5.37	5.22	4.78	4.80	3.47	4.18	4.66	4.91	5.21	5.14	5.15	4.98
12	5.38	5.21	4.76	4.79	3.39	4.19	4.67	4.93	5.21	5.13	5.15	4.98
13	5.38	5.21	4.75	4.79	3.36	4.13	4.61	4.95	5.21	5.14	5.16	4.96
14	5.38	5.21	4.76	4.80	3.30	3.94	4.53	4.97	5.21	5.15	5.17	4.94
15	5.39	5.22	4.78	4.82	3.25	3.72	4.47	4.99	5.21	5.15	5.18	4.92
16	5.39	5.22	4.79	4.83	3.18	3.80	4.42	5.02	5.21	5.15	5.18	4.91
17	5.39	5.23	4.80	4.83	3.13	3.88	4.39	5.04	5.21	5.14	5.18	4.90
18	5.38	5.23	4.83	4.84	a3.10	3.95	4.38	5.06	5.22	5.15	5.18	4.89
19	5.38	5.22	4.83	4.83	a3.10	3.99	4.36	5.08	5.22	5.14	5.18	4.88
20	5.37	5.21	4.84	4.82	3.12	4.03	4.35	5.09	5.23	5.12	5.18	4.88
21	5.35	5.20	4.85	4.80	3.13	4.07	4.36	5.10	5.23	5.12	5.18	4.88
22	5.35	5.19	4.86	4.78	3.16	4.11	4.38	5.11	5.22	5.11	5.17	4.89

a Highest observed stage in period of record.

600. Geol. Survey, U. S. Dept. of Interior--Continued.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
23	5.34	5.18	4.86	4.74	3.22	4.15	4.42	5.11	5.21	5.12	5.15	4.89
24	5.32	5.16	4.84	4.59	3.28	4.18	4.45	5.10	5.20	5.12	5.14	4.90
25	5.31	5.11	4.83	4.48	3.34	4.22	4.49	5.09	5.19	5.12	5.14	4.92
26	5.30	5.07	4.81	4.42	3.42	4.27	4.52	5.09	5.18	5.12	5.12	4.93
27	5.29	5.04	4.81	4.40	3.49	a4.30	4.56	5.09	5.18	5.12	5.11	4.72
28	5.29	5.03	4.81	4.39	3.57	a4.34	4.57	5.09	5.18	5.12	5.11	4.62
29	5.30	5.01	4.79	4.36	3.64	a4.38	4.60	5.10	5.17	5.12	5.11	4.57
30	5.31	....	4.78	4.30	3.71	a4.41	4.62	5.11	5.17	5.12	5.10	4.54
31	5.33	....	4.77	....	3.76	....	4.65	5.12	....	5.12	....	4.54

a Interpolated.

E22 (*988, p. 261). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 21, T. 14 N., R. 34 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 15	3.55	July 17	3.77	Sept.16	3.65
June 9	3.48	Aug. 11	4.05	Oct. 9	4.39

E23 (*988, p. 262). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 17, T. 14 N., R. 33 W. Measurement supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	4.50	July 17	3.72	Sept.16	2.80
June 8	4.22	Aug. 11	2.94	Oct. 9	3.17

E24 (*988, p. 262). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 8, T. 14 N., R. 33 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	2.24	July 17	2.52	Sept.16	3.17
June 8	2.38	Aug. 11	2.95	Oct. 9	2.84

E25 (*988, p. 263). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 16, T. 14 N., R. 33 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	3.41	July 12	1.96	Sept.16	2.16
June 8	2.49	Aug. 11	1.72	Oct. 9	2.06

E26 (*908, p. 220; 938, p. 175; 946, p. 217; 988, p. 263). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 27, T. 14 N., R. 33 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	10.76	Aug. 11	9.46	Oct. 9	10.40
July 12	9.34	Sept.16	9.57		

E27 (*908, p. 200; 938, p. 175; 946, p. 217; 988, p. 263). Central Nebraska Public Power and Irrigation District. NE¼SW¼ sec. 32, T. 13 N., R. 34 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	9.77	Aug. 11	8.65	Oct. 9	9.17
July 12	8.76	Sept.16	8.99		

E28 (*988, p. 264). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 20, T. 14 N., R. 32 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	6.70	July 12	6.05	Sept.16	5.22
June 8	6.55	Aug. 11	5.46	Oct. 9	5.52

E29 (*988, p. 264). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 18, T. 14 N., R. 32 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 15	5.48	July 12	3.42	Sept.16	a 2.20
June 8	5.60	Aug. 11	2.50	Oct. 9	3.70

a Highest observed stage in period of record.

E30 (*988, p. 264). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 5, T. 14 N., R. 32 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	4.86	July 12	4.03	Sept.16	5.22
June 8	4.00	Aug. 11	4.97	Oct. 9	5.04

E31 (*988, p. 265). Central Nebraska Public Power and Irrigation District. NE¼NW¼ sec. 5, T. 14 N., R. 31 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	3.83	July 12	3.27	Sept.16	4.86
June 8	3.34	Aug. 11	4.67	Oct. 9	4.66

E32 (*988, p. 265). Central Nebraska Public Power and Irrigation District. NW¼SW¼ sec. 8, T. 14 N., R. 30 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	3.31	July 12	3.06	Sept.16	3.86
June 8	3.11	Aug. 11	3.91	Oct. 9	3.60

E33 (*988, p. 266). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 26, T. 14 N., R. 30 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	1.99	July 12	1.91	Sept.16	2.73
June 8	1.62	Aug. 11	2.69	Oct. 9	2.35

E34 (*988, p. 266). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 19, T. 14 N., R. 30 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 15	4.11	July 12	2.18	Sept.16	2.22
June 8	3.48	Aug. 11	1.72	Oct. 9	2.09

E35 (*988, p. 267). Central Nebraska Public Power and Irrigation District. NW¼SE¼ sec. 29, T. 14 N., R. 31 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	5.99	June 8	4.81	Aug. 11	5.27	Oct. 9	4.84
May 11	4.69	July 12	4.58	Sept.16	4.85		

E36 (*988, p. 267). Central Nebraska Public Power and Irrigation District. SE¼SW¼ sec. 32, T. 14 N., R. 30 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	4.39	Aug. 21	4.69	Oct. 23	4.34	Dec. 18	4.27
May 11	3.29	Sept.19	5.02	Nov. 20	4.45		

E38 (*908, p. 220; 938, p. 175; 946, p. 217; 988, p. 267). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 32, T. 13 N., R. 34 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 15	12.38	July 12	12.09	Sept.16	12.78
June 8	11.93	Aug. 11	12.52	Oct. 9	12.80

E39 (*988, p. 268). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 34, T. 14 N., R. 30 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	6.71	May 11	5.30	Sept.14	7.13	Nov. 20	7.07
Mar. 8	6.17	Aug. 21	7.18	Oct. 23	7.20	Dec. 18	6.72

JS1 (*908, p. 221; 938, p. 175; 946, p. 217; 988, p. 268). Central Nebraska Public Power and Irrigation District. NW¼SW¼ sec. 35, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	26.72	Apr. 4	26.84	June 23	26.48	Nov. 10	26.38
Feb. 8	26.85	May 18	26.48	Sept.20	a 25.64	Dec. 20	26.09
Mar. 16	26.62						

a Highest observed stage in period of record.

JS2 (*908, p. 221; 938, p. 175; 946, p. 217; 988, p. 268). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 35, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	17.83	Apr. 4	17.70	June 23	17.23	Nov. 10	17.75
Feb. 8	17.89	May 18	a 16.95	Sept.20	17.03	Dec. 20	17.37
Mar. 16	17.54						

a Highest observed stage in period of record.

JS3 (*908, p. 221; 938, p. 176; 946, p. 217; 988, p. 268). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 35, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	23.46	Apr. 4	23.57	June 23	22.88	Nov. 10	22.89
Feb. 8	23.45	May 18	23.04	Sept.20	a 21.91	Dec. 20	22.73
Mar. 16	23.34						

a Highest observed stage in period of record.

JS4 (*908, p. 221; 938, p. 176; 946, p. 217; 988, p. 269). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 35, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	15.49	Apr. 4	15.43	June 23	a 14.73	Nov. 10	15.28
Feb. 8	15.57	May 18	14.67	Sept.20	14.42	Dec. 20	14.99
Mar. 16	15.30						

a Highest observed stage in period of record.

U3 (*988, p. 269). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 6, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	3.79	May 11	a 1.88	Sept.14	4.44	Nov. 20	3.71
Mar. 8	3.15	Aug. 21	4.59	Oct. 23	3.92	Dec. 18	3.47

U4 (*988, p. 269). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 6, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	4.97	May 11	3.75	Sept.14	5.02	Nov. 20	4.70
Mar. 8	4.47	Aug. 21	4.48	Oct. 23	4.94	Dec. 18	4.29

U5 (*988, p. 270). Central Nebraska Public Power and Irrigation District. NW¼SW¼ sec. 5, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	2.78	May 11	1.82	Sept.14	3.45	Nov. 20	2.75
Mar. 8	2.00	Aug. 21	4.01	Oct. 23	2.93	Dec. 18	4.52

U6 (*988, p. 271). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 5, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	2.55	May 11	2.30	Sept.14	2.95	Nov. 20	2.59
Mar. 8	2.36	Aug. 21	3.32	Oct. 23	2.66	Dec. 18	2.48

U7 (*988, p. 271). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 9, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	5.06	May 11	4.12	Sept.14 a	5.70	Nov. 20	5.34
Mar. 8	4.74	Aug. 21	5.15	Oct. 23	5.43	Dec. 18	5.04

a Lowest observed stage in period of record.

U8 (*988, p. 272). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 4, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	5.54	May 11	4.21	Sept.14 a	6.24	Nov. 20	5.83
Feb. 17	5.38	Aug. 21	6.11	Oct. 23	5.96	Dec. 18	5.57
Mar. 8	5.16						

a Lowest observed stage in period of record.

U9 (*988, p. 272). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 13, T. 13 N., R. 30 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 6	3.16	Aug. 10	4.02	Oct. 11	3.68
Mar. 15	2.49	Sept.19	4.16		

U10 (*988, p. 273). Central Nebraska Public Power and Irrigation District. SW¼SE¼ sec. 14, T. 13 N., R. 30 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	5.46	Aug. 10	5.64	Oct. 11	5.83
Mar. 15	4.96	Sept.19	5.97		

U11 (*988, p. 273). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 18, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	4.65	Aug. 10	4.62	Oct. 11	4.62
May 12	5.05	Sept.19	4.70		

U12 (*908, p. 222; 938, p. 176; 946, p. 218; 988, p. 274). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 12, T. 13 N., R. 30 W. Measurements supplied through courtesy of Central Nebraska Public

U12. Central Nebraska Public Power and Irrigation District--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 6	10.79	Aug. 10	10.93	Oct. 11	11.27
Mar. 15	10.18	Sept.19	11.51		

U13 (*988, p. 274). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 17, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District. Water levels, in feet below land-surface datum, 1944: Jan. 6, 3.43; Aug. 10, 3.17; Oct. 11, 3.30.

U15 (*988, p. 275). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 20, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District. Water levels, in feet below land-surface datum, 1944: Jan. 6, 2.63; Aug. 10, 2.68; Sept.19, 2.79; Oct. 11, 2.40.

U16 (*988, p. 276). Central Nebraska Public Power and Irrigation District. NE¼NW¼ sec. 1, T. 13 N., R. 30 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	6.44	May 11	5.95	Sept.14	5.97	Nov. 20	5.23
Mar. 8	5.44	Aug. 7	5.04	Oct. 23	5.83	Dec. 18	4.92

U17 (*988, p. 276). Central Nebraska Public Power and Irrigation District. NE¼NW¼ sec. 6, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	3.33	May 11	2.49	Sept.14	4.08	Nov. 20	3.32
Mar. 8	2.56	Aug. 7	4.34	Oct. 23	3.54	Dec. 18	3.05

U18 (*988, p. 277). Central Nebraska Public Power and Irrigation District. SE¼NW¼ sec. 6, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	4.52	May 11	3.40	Sept.14	5.24	Nov. 20	4.46
Mar. 8	3.80	Aug. 21	5.52	Oct. 23	4.68	Dec. 18	4.17

U19 (*988, p. 277). Central Nebraska Public Power and Irrigation District. NE¼SW¼ sec. 6, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	4.78	May 11	3.78	Sept.14	4.99	Nov. 20	4.50
Mar. 8	3.95	Aug. 21	4.96	Oct. 23	4.66	Dec. 18	3.90

U20 (*988, p. 278). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 21, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 6	2.25	Aug. 10	2.69	Oct. 11	2.17
Mar. 15	1.58	Sept.19	2.57		

U21 (*908, p. 222; 938, p. 176; 946, p. 218; 988, p. 278). A. E. Wheeler. NW¼NE¼ sec. 35, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	11.15	Aug. 10	9.92	Oct. 11	9.44
Mar. 15	10.95	Sept.19	9.65	Nov. 23	9.37

U22 (*908, p. 223; 938, p. 176; 946, p. 218; 988, p. 278). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 31, T. 13 N., R. 28 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 6	6.50	Aug. 10	6.48	Oct. 11	4.85
Mar. 15	6.23	Sept.19	5.00	Nov. 23	4.93

U23 (*988, p. 278). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 9, T. 12 N., R. 28 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	5.47	Mar. 14	5.24	Sept.19	5.79	Nov. 15	5.27
Feb. 8	5.34	Apr. 4	5.26	Oct. 11	5.59	Dec. 20	a 5.18

a Highest observed stage in period of record.

U24 (*988, p. 279). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 25, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	5.07	Mar. 8	4.57	Sept.19	5.15	Nov. 22	a 6.86
Feb. 8	4.84	May 11	4.00	Oct. 11	5.04	Dec. 7	4.77

a Lowest observed stage in period of record.

U25 (*988, p. 279). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 16, T. 13 N., R. 29 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 4	6.00	Mar. 8	5.62	Sept.19	5.97	Nov. 22	5.86
Feb. 8	5.92	May 11	5.24	Oct. 11	6.00	Dec. 7	5.82

U26 (*988, p. 280). Central Nebraska Public Power and Irrigation District. SW¼SW¼ sec. 29, T. 13 N., R. 28 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 4	5.51	Mar. 8	5.02	Sept.19	6.15	Nov. 22	5.54
Feb. 8	5.31	May 11	4.30	Oct. 11	5.92	Dec. 7	5.15

U27 (*988, p. 280). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 21, T. 13 N., R. 28 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 4	4.70	Mar. 8	1.99	Sept.19	5.77	Nov. 22	4.88
Feb. 8	4.21	May 11	1.66	Oct. 11	5.44		

U28 (*988, p. 281). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 4, T. 12 N., R. 28 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 4	4.92	Mar. 8	4.07	Sept.19	5.97	Nov. 22	5.10
Feb. 8	4.53	May 11	3.22	Oct. 11	5.59	Dec. 7	4.90

U29 (*988, p. 281). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 11, T. 12 N., R. 28 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 4	2.93	Mar. 8	2.04	Sept.19	3.85	Nov. 22	3.13
Feb. 8	2.38	May 11	1.22	Oct. 11	3.59	Dec. 7	2.93

U30 (*988, p. 282). Central Nebraska Public Power and Irrigation District. NE¼NE¼ sec. 16, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	4.34	Mar. 8	4.01	Sept.19	5.55	Nov. 22	4.65
Feb. 8	4.24	May 11	3.31	Oct. 11	4.95	Dec. 7	4.24

U31 (*988, p. 282). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 27, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	3.57	Mar. 16	2.02	June 23	3.10	Nov. 10	3.50
Feb. 8	2.28	Apr. 4	2.76	Sept.20	4.11	Dec. 20	3.24

U32 (*908, p. 223; 938, p. 176; 946, p. 218; 988, p. 282). Central Nebraska Public Power and Irrigation District. NE¼NW¼ sec. 15, T. 12 N., R. 28 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	12.99	Mar. 14	12.85	Sept.19	13.04	Dec. 20	12.33
Feb. 8	12.85	Apr. 4	12.83	Nov. 15	12.48		

U33 (*908, p. 223; 938, p. 177; 946, p. 218; 988, p. 283). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 14, T. 12 N., R. 28 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	29.49	Mar. 14	29.30	Sept.19	29.04	Dec. 20	a 28.58
Feb. 8	29.39	Apr. 4	29.28	Nov. 15	28.78		

a Highest observed stage in period of record.

U34 (*908, p. 223; 938, p. 177; 946, p. 218; 988, p. 283). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 20, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	15.06	Mar. 14	14.85	June 23	14.56	Nov. 15	14.55
Feb. 8	14.99	Apr. 4	15.78	Sept.19	14.78	Dec. 20	a 14.42

a Highest observed stage in period of record.

U35 (*908, p. 224; 938, p. 177; 946, p. 218; 988, p. 283). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 28, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	2.71	Mar. 14	1.85	June 23	2.54	Nov. 15	2.20
Feb. 8	1.78	Apr. 4	a 1.74	Sept.19	3.21	Dec. 20	1.82

a Highest observed stage in period of record.

U36 (*988, p. 283). Central Nebraska Public Power and Irrigation District. SE¼NW¼ sec. 32, T. 13 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	4.43	May 11	2.20	Sept.19	4.32	Nov. 23	3.44
Feb. 8	2.88	July 13	3.44	Oct. 11	4.10	Dec. 7	3.08
Mar. 8	2.72	Aug. 10	3.73				

U37 (*988, p. 284). Central Nebraska Public Power and Irrigation District. SE¼NW¼ sec. 11, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 6	6.73	May 11	4.96	Sept.19	7.48	Nov. 23	7.01
Feb. 8	6.53	July 13	6.71	Oct. 11	7.35	Dec. 7	6.77
Mar. 8	6.37	Aug. 10	7.11				

U38 (*908, p. 224; 938, p. 177; 946, p. 219; 988, p. 284). Dr. Schneider. SW¼SE¼ sec. 26, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	7.33	Mar. 16	6.90	June 23	6.49	Nov. 10	6.17
Feb. 8	7.17	May 18	6.04	Sept.20	6.00	Dec. 20	a 5.92

a Highest observed stage in period of record.

U39 (*988, p. 284). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 36, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	5.36	Apr. 4	5.01	June 23	4.32	Nov. 10	5.15
Feb. 8	5.14	May 18	4.74	Sept.20	4.22	Dec. 20	4.89
Mar. 16	4.99						

U40 (*908, p. 224; 938, p. 177; 946, p. 219; 988, p. 285). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 16, T. 11 N., R. 26 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	17.86	Apr. 4	12.17	June 23	10.23	Nov. 10	a 9.58
Feb. 8	12.09	May 18	10.68	Sept.20	9.92	Dec. 20	9.70
Mar. 16	12.05						

a Highest observed stage in period of record.

U41 (*988, p. 285). Central Nebraska Public Power and Irrigation District. NW¼NW¼ sec. 15, T. 11 N., R. 26 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	7.41	Apr. 4	6.82	June 23	6.63	Nov. 10	6.26
Feb. 8	7.15	May 18	6.06	Sept.20	6.43	Dec. 20	6.30
Mar. 16	6.79						

U42 (*908, p. 224; 938, p. 177; 946, p. 219; 988, p. 285). Sheldon. SW¼SW¼ sec. 15, T. 11 N., R. 26 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	11.93	Apr. 4	11.77	June 23	11.08	Nov. 10	9.54
Feb. 8	11.85	May 18	10.72	Sept.20	a 8.88	Dec. 20	9.78
Mar. 16	13.65						

a Highest observed stage in period of record.

U43 (*908, p. 225; 938, p. 177; 946, p. 219; 988, p. 286). Central Nebraska Public Power and Irrigation District. SE¼SE¼ sec. 22, T. 11 N., R. 26 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	30.59	Apr. 4	31.39	June 23	28.88	Nov. 10	26.38
Feb. 8	31.03	May 18	30.23	Sept.20	a 25.87	Dec. 20	27.13
Mar. 16	31.18						

a Highest observed stage in period of record.

U46 (*988, p. 286). Central Nebraska Public Power and Irrigation District. NE¼SW¼ sec. 31, T. 12 N., R. 26 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	3.35	Apr. 4	2.95	June 23	2.70	Nov. 10	3.19
Feb. 8	2.75	May 18	2.98	Sept.20	2.76	Dec. 20	2.97
Mar. 16	2.91						

U50 (*908, p. 225; 938, p. 177; 946, p. 219; 988, p. 286). Dr. Schneider. SW¼SE¼ sec. 26, T. 12 N., R. 26 W. No measurements made in 1944.

U77 (*988, p. 286). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 34, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	24.07	Apr. 4	24.85	June 23	24.21	Nov. 10	24.46
Feb. 8	24.69	May 18	23.78	Sept.20	a 22.74	Dec. 20	23.77
Mar. 16	24.73						

a Highest observed stage in period of record.

U78 (*988, p. 287). Central Nebraska Public Power and Irrigation District. SW¼NW¼ sec. 35, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	21.15	Apr. 4	21.90	June 23	20.97	Nov. 10	21.25
Feb. 8	21.78	May 18	20.71	Sept.20	19.73	Dec. 20	20.98
Mar. 16	21.81						

U79 (*988, p. 287). Central Nebraska Public Power and Irrigation District. SE¼NE¼ sec. 35, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	18.49	Apr. 4	18.31	June 23	17.39	Nov. 10	18.21
Feb. 8	18.72	May 18	17.74	Sept.20	16.62	Dec. 20	17.95
Mar. 16	18.47						

U80 (*988, p. 287). Central Nebraska Public Power and Irrigation District. NE¼SE¼ sec. 35, T. 12 N., R. 27 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 5	25.26	Apr. 4	25.21	June 23	25.14	Nov. 10	24.95
Feb. 8	25.24	May 18	25.19	Sept.20	25.03	Dec. 20	a 24.90
Mar. 16	25.22						

a Highest observed stage in period of record.

Logan County

404 (*886, p. 326; 908, p. 225; 938, p. 178; 946, p. 219; 988, p.288). University of Nebraska. NE¼NE¼ sec. 5, T. 17 N., R. 27 W. No measurement made in 1944.

Loup County

234 (*817, p. 148; 840, p. 211; 845, p. 178; 886, p. 326; 908, p. 225; 946, p. 219; 988, p. 288). University of Nebraska. NW¼SE¼ sec. 25, T. 24 N., R. 19 W. No measurements made in 1944.

345 (*817, p. 148; 840, p. 212; 845, p. 178; 886, p. 326; 908, p. 225; 938, p. 178; 946, p. 219; 988, p. 288). University of Nebraska. NE¼NE¼ sec. 22, T. 21 N., R. 18 W. No measurements made in 1944.

422 (*886, p. 326; 908, p. 225; 938, p. 178; 946, p. 219; 988, p. 288). University of Nebraska. SW¼NW¼ sec. 26, T. 21 N., R. 18 W. No measurements made in 1944.

McPherson County

254 (*817, p. 148; 840, p. 212; 845, p. 178; 886, p. 326; 908, p. 225; 938, p. 178; 946, p. 219). University of Nebraska. SE¼SE¼ sec. 16, T. 18 N., R. 31 W. No measurements made in 1944.

Madison County

108 (*817, p. 148; 840, p. 212; 845, p. 178; 886, p. 326; 908, p. 225; 938, p. 178; 946, p. 220; 988, p. 288). F. Prauner. SW¼SE¼ sec. 32, T. 24 N., R. 2 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 104.5. Water level, in feet below land-surface datum, 1944: Aug. 31, 5.01.

109 (*817, p. 149; 840, p. 212; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 288). J. Bredehoft. NE¼NE¼ sec. 5, T. 23 N., R. 2 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 103.65. Water level, in feet below land-surface datum, 1944: July 31, 3.89.

110 (*817, p. 149; 840, p. 212; 845, p. 178; 886, p. 326; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 288). A. Christian. NW¼SW¼ sec. 33, T. 22 N., R. 1 W. Water level, in feet below land-surface datum, 1944: July 31, 0.48.

334 (*817, p. 149; 840, p. 212; 845, p. 178; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 288). O. Engelsgard. NW¼SW¼ sec. 34, T. 21 N., R. 4 W. No measurements made in 1944.

Merrick County

42 (*817, p. 149; 840, p. 212; 845, p. 179; 886, p. 326; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 288). P. Pearson. SW¼SW¼ sec. 27, T. 16 N., R. 3 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 109.22. Water level, in feet below land-surface datum, 1944: Sept. 25, 7.81.

48 (*817, p. 149; 840, p. 212; 845, p. 179; 886, p. 326; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 288). H. Abel. NW¼NW¼ sec. 16, T. 14 N., R. 5 W. Well destroyed; measurements discontinued.

49 (*817, p. 149; 840, p. 212; 845, p. 179; 886, p. 326; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 288). H. Trudy. NW¼SW¼ sec. 21, T. 14 N., R. 7 W. No measurements made in 1944.

50 (*817, p. 150; 840, p. 212; 845, p. 179; 886, p. 326; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 288). C. Reeves. NE¼NW¼ sec. 33, T. 13 N., R. 7 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 108.16. Water level, in feet below land-surface datum, 1944: Sept. 25, 7.10.

GI200 (*836-E, pp. 252, 270; 886, p. 327; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 288). City of Grand Island. NW¼NE¼ sec. 18, T. 11 N., R. 8 W. Water level, in feet below land-surface datum, 1944: Jan. 15, 5.70; Feb. 26, 7.10 (lowest observed stage in period of record); July 7, 3.23 (highest observed stage in period of record); Sept. 11, 5.25.

GI201 (*836-E, pp. 252, 271; 886, p. 327; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 289). City of Grand Island. SW¼SE¼ sec. 19, T. 11 N., R. 9 W. Water level, in feet below land-surface datum, 1944: Jan. 15, 9.04; Feb. 26, 8.79; July 7, 6.16 (highest observed stage in period of record); Sept. 11, 8.96.

Morrill County

84 (*817, p. 150; 840, p. 212; 845, p. 179; 886, p. 327; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 289). J. Jensen. SW¼SW¼ sec. 28, T. 22 N., R. 50 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 182.27. Water level, in feet below land-surface datum, 1944: Nov. 16, 82.05.

85 (*817, p. 150; 840, p. 213; 845, p. 179; 886, p. 327; 908, p. 226; 938, p. 178; 946, p. 220; 988, p. 289). State of Nebraska, Department of Roads and Irrigation. NE¼NE¼ sec. 32, T. 20 N., R. 50 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	4.56	Apr. 10	4.56	July 6	4.18	Sept.20	4.62
15	4.48	15	4.62	10	4.18	25	4.64
25	4.51	22	4.44	11	3.14	30	4.65
30	4.53	28	4.41	12	3.26	Oct. 5	4.58
Feb. 5	4.56	30	4.48	13	3.40	10	4.59
7	4.44	May 5	4.53	14	3.53	15	4.58
10	4.42	10	4.61	15	3.60	20	4.58
12	4.44	15	4.65	19	3.88	25	4.59
15	4.44	20	4.71	20	3.96	30	4.59
20	4.46	26	4.48	25	4.24	Nov. 6	4.60
22	4.49	June 1	4.46	30	4.45	7	4.42
25	4.48	10	4.41	Aug. 5	4.56	8	4.40
29	4.41	13	3.91	10	4.62	10	4.36
Mar. 5	4.34	17	4.03	15	4.54	15	4.40
10	4.41	19	4.15	20	4.40	20	4.42
15	4.50	21	4.28	24	4.34	27	4.47
20	4.48	22	4.25	31	4.53	Dec. 10	4.51
22	4.44	30	4.51	Sept. 5	4.58	15	4.54
25	4.35	July 3	4.46	8	4.57	20	4.56
30	4.40	4	4.20	10	4.58	25	4.60
Apr. 5	4.48	5	4.16	14	4.56		

97 (*817, p. 151; 840, p. 214; 845, p. 180; 886, p. 328; 908, p. 227; 938, p. 179; 946, p. 221; 988, p.289). F. Smith. NW¼NW¼ sec. 28, T. 20 N., R. 50 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 113.55. Water level, in feet below land-surface datum, 1944: Nov. 16, 13.18 (highest observed stage in period of record).

Nance County

43 (*817, p. 151; 840, p. 214; 845, p. 180; 886, p. 328; 908, p. 227; 938, p. 179; 988, p. 289). Greek Estate. NW¼SE¼ sec. 24, T. 17 N., R. 4 W. No measurements made in 1944.

371 (*817, p. 151; 840, p. 214; 845, p. 180; 886, p. 328; 908, p. 228; 938, p. 179; 946, p. 221; 988, p. 289). W. Christiansen. SE¼NE¼ sec. 34, T. 17 N., R. 6 W. No measurements made in 1944.

Nemaha County

11 (*817, p. 151; 840, p. 214; 845, p. 180; 886, p. 328; 908, p. 228; 938, p. 179; 946, p. 221; 988, p. 290). Mrs. Horm. NW¼SW¼ sec. 23, T. 5 N., R. 14 E. Water level, in feet below land-surface datum, 1944: Oct. 24, 10.42 (highest observed stage in period of record).

Nuckolls County

164 (*817, p. 152; 840, p. 215; 845, p. 180; 886, p. 329; 908, p. 228; 938, p. 179; 946, p. 222; 988, p. 290). F. Hornbussel. SE¼SE¼ sec. 2, T. 1 N., R. 7 W. No measurements made in 1944.

165 (*817, p. 152; 840, p. 215; 845, p. 180; 886, p. 329; 908, p. 228; 938, p. 179; 946, p. 222; 988, p. 290). E. Dillon. SE¼SE¼ sec. 8, T. 2 N., R. 5 W. No measurements made in 1944.

393 (*817, p. 152; 840, p. 215; 845, p. 180; 886, p. 329; 908, p. 228; 938, p. 179). W. Statz. NE¼NE¼ sec. 26, T. 4 N., R. 7 W. No measurements made in 1944.

407 (*886, p. 329; 908, p. 228). University of Nebraska. SW¼SW¼ sec. 36, T. 1 N., R. 7 W. No measurements made in 1944.

Otoe County

8a (*946, p. 222; 988, p. 290). University of Nebraska. NW¼NW¼ sec. 3, T. 8 N., R. 10 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 109.02. Water level, in feet below land-surface datum, 1944: Oct. 24, 4.85 (water standing in railroad borrow pit).

9 (*817, p. 152; 840, p. 215; 845, p. 181; 886, p. 330; 908, p. 228; 938, p. 180; 946, p. 222; 988, p. 290). W. Gellerman. SE¼SE¼ sec. 7, T. 8 N., R. 11 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 111.33. Water level, in feet below land-surface datum, 1944: Oct. 24, 5.54 (highest observed stage in period of record).

10 (*817, p. 153; 840, p. 215; 845, p. 181; 886, p. 330; 908, p. 228; 938, p. 180; 946, p. 222; 988, p. 290). L. Damme. NE¼NE¼ sec. 35, T. 7 N., R. 12 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 122.17. Water level, in feet below land-surface datum, 1944: Oct. 24, 16.9 (highest observed stage in period of record).

Pawnee County

4 (*777, p. 92; 817, p. 153; 840, p. 215; 845, p. 181; 886, p. 330; 908, p. 228; 946, p. 222; 988, p. 290). E. Hunzeker. NE¼NE¼ sec. 8, T. 2 N., R. 11 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 120.36. Water level, in feet below land-surface datum, 1944: Oct. 24, 10.84 (highest observed stage in period of record).

Perkins County

151 (*817, p. 153; 840, p. 215; 845, p. 181; 886, p. 330; 908, p. 228; 938, p. 180; 946, p. 222; 988, p. 290). A. Lagler. SE¼SE¼ sec. 35, T. 11 N., R. 39 W. No measurements made in 1944.

Phelps County

5 (*988, p. 291). Andrew O. Matson. NW¼SW¼ sec. 8, T. 8 N., R. 20 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	9.10	Mar. 7	9.11	Sept.18	8.92	Nov. 17	9.36
Feb. 16	9.28	May 12 a	6.90	Oct. 25	9.34		

a Highest observed stage in period of record.

6 (*988, p. 291). Breuer W. Nelson. NE¼NE¼ sec. 17, T. 8 N., R. 20 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	12.61	Mar. 17	12.69	Sept.18	11.94	Nov. 17	12.39
Feb. 16	11.54	May 12 a	10.45	Oct. 25	12.28		

a Highest observed stage in period of record.

7 (*988, p. 291). Albert S. Hanson. NE¼NW¼ sec. 17, T. 8 N., R. 20 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

7. Albert S. Hanson--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	8.99	Mar. 17	9.96	Sept.18	8.54	Nov. 17	8.97
Feb. 16	9.09	May 12	6.79	Oct. 25	8.89		

8 (*988, p. 292). Lewis W. Jones. SE¼SW¼ sec. 9, T. 8 N., R. 20 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	4.07	Mar. 17	3.91	Sept.18	4.61	Nov. 17	4.08
Feb. 16	4.10	May 12	2.54	Oct. 25	4.17		

9 (*988, p. 293). Wm. Carlson. NW¼NW¼ sec. 15, T. 8 N., R. 20 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	7.35	Mar. 17	7.14	Sept.18	8.06	Nov. 17 a	4.39
Feb. 16	7.36	May 12	6.00	Oct. 25	7.50		

a Highest observed stage in period of record.

10 (*988, p. 293). Central Nebraska Public Power and Irrigation District. NW¼SE¼ sec. 15, T. 8 N., R. 20 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Jan. 8	9.60	Mar. 17	9.68	Sept.18	9.25	Nov. 17	9.32
Feb. 16	9.70	May 12 a	8.23	Oct. 25	9.31		

a Highest observed stage in period of record.

11 (*988, p. 293). Central Nebraska Public Power and Irrigation District. NW¼SE¼ sec. 14, T. 8 N., R. 20 W. Measurements supplied through courtesy of Central Nebraska Public Power and Irrigation District.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 8	5.57	Mar. 17	5.25	Oct. 25	5.49
Feb. 16	5.49	Sept.18	5.63	Nov. 17	5.38

157 (*817, p. 153; 840, p. 215; 845, p. 181; 886, p. 330; 908, p. 228; 938, p. 180; 946, p. 222; 988, p. 290). Western Public Service Co. NW¼NE¼ sec. 4, T. 5 N., R. 18 W. No measurements made in 1944.

275 (*817, p. 154; 840, p. 216; 845, p. 181; 886, p. 330; 908, p. 229; 938, p. 180; 946, p. 222; 988, p. 290). F. Skiles. SW¼NW¼ sec. 24, T. 8 N., R. 17 W. Water level, in feet below land-surface datum, 1944: Apr. 15, 9.30.

276 (*817, p. 154; 840, p. 216; 886, p. 330; 908, p. 229; 938, p. 180; 946, p. 222; 988, p. 290). W. Bamford. NW¼SE¼ sec. 19, T. 8 N., R. 17 W. No measurements made in 1944.

277 (*817, p. 155; 840, p. 216; 845, p. 181; 886, p. 330; 908, p. 229; 946, p. 223; 988, p. 290). No measurements made in 1944.

Pierce County

70 (*817, p. 155; 840, p. 216; 845, p. 181; 886, p. 330; 908, p. 229; 938, p. 180; 946, p. 223; 988, p. 294). Village of Foster. SE¼NE¼ sec. 33, T. 27 N., R. 3 W. No measurements made in 1944.

Platte County

39 (*817, p. 155; 840, p. 216; 845, p. 181; 886, p. 330; 908, p. 229; 938, p. 180; 946, p. 223; 988, p. 294). A. Grossnicklaus. NE¼NW¼ sec. 29, T. 18 N., R. 1 W. No measurements made in 1944.

40 (*817, p. 156; 840, p. 216; 845, p. 181; 886, p. 330; 908, p. 229; 938, p. 180; 946, p. 223; 988, p. 294). E. Schacher. SE¼SW¼ sec. 2, T. 17 N., R. 2 W. No measurements made in 1944.

41 (*817, p. 156; 840, p. 216; 845, p. 181; 886, p. 330; 908, p. 229; 938, p. 180; 946, p. 223; 988, p. 294). H. Ernst. NW¼NE¼ sec. 12, T. 16 N., R. 2 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 111.10. Water level, in feet below land-surface datum, 1944: Sept. 25, 9.89.

342 (*817, p. 156; 840, p. 216; 845, p. 181; 886, p. 330; 908, p. 229; 938, p. 180; 946, p. 223; 988, p. 294). University of Nebraska. NW¼SW¼ sec. 18, T. 20 N., R. 1 E. No measurements made in 1944.

368 (*817, p. 156; 840, p. 216; 845, p. 181; 886, p. 330; 908, p. 229; 938, p. 180; 946, p. 223; 988, p. 294). L. Hither. SE¼SE¼ sec. 13, T. 20 N., R. 2 W. Tile casing filled; measurements discontinued in 1944.

US150 (*988, p. 294). Loup River Public Power and Irrigation District. SE. corner. SW¼ sec. 28, T. 18 N., R. 1 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	66.40	Apr. 28	66.70	June 28	66.90	Oct. 28	67.20
Mar. 28	66.60	May 27	66.80	Sept.28	67.10	Nov. 28	67.30

Redwillow County

137 (*817, p. 156; 840, p. 217; 845, p. 181; 886, p. 330; 908, p. 229; 938, p. 180; 946, p. 223; 988, p. 295). F. Duckworth. SW¼NE¼ sec. 8, T. 3 N., R. 27 W. Water level, in feet below land-surface datum: Mar. 11, 1943, 12.45; June 1, 1943, 12.59; Dec. 9, 1944, 11.80.

139 (*817, p. 157; 840, p. 217; 845, p. 181; 886, p. 330; 908, p. 229; 938, p. 180; 988, p. 295). F. Cain. NE¼NW¼ sec. 19, T. 3 N., R. 30 W. Water level, in feet below land-surface datum, 1943: Mar. 8, 19.05. Well destroyed; measurements discontinued on Dec. 8, 1944.

179 (*817, p. 157; 840, p. 217; 845, p. 181; 886, p. 331; 908, p. 229; 938, p. 180; 988, p. 295). J. Clamp. NE¼SW¼ sec. 33, T. 2 N., R. 29 W. No measurements made in 1944.

494 (*988, p. 295). NW¼SE¼ sec. 32, T. 3 N., R. 29 W. Water levels, in feet below land-surface datum: Mar. 11, 1943, 5.29; June 12, 5.86; Dec. 9, 1944: 5.98.

Richardson County

1 (*908, p. 229). Fred Metzner. SE¼SE¼ sec. 29, T. 1 N., R. 17 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 145.58. Measurements discontinued after Oct. 29, 1940.

2 (*908, p. 230). Approximately center of sec. 16, T. 1 N., R. 16 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 111.61. Measurements discontinued after Oct. 29, 1940.

3 (*908, p. 230). Clarence Schatz. SE¼SE¼ sec. 36, T. 2 N., R. 15 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 126.54. Measurements discontinued after Oct. 29, 1940.

4 (*908, p. 230). Mrs. Della Goolsley. SE¼SE¼ sec. 10, T. 3 N., R. 16 E. To convert water levels from feet above assumed datum, as published in previous report, to feet below land-surface datum, subtract from 112.71. Measurements discontinued after Oct. 29, 1940.

5 (*817, p. 157; 840, p. 217; 845, p. 181; 886, p. 331; 908, p. 230; 938, p. 181; 946, p. 223; 988, p. 295). W. Hogue. NW¼NE¼ sec. 27, T. 2 N., R. 14 E. Water level, in feet below land-surface datum, 1944: Oct. 24, 22.84.

6 (*908, p. 230). Will Yoesel. NE¼SW¼ sec. 3, T. 1 N., R. 17 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 167.5. Measurements discontinued after Aug. 28, 1940.

7 (*817, p. 157; 840, p. 217; 845, p. 181; 908, p. 230, 938, p. 181; 946, p. 223; 988, p. 296). University of Nebraska. NW¼NW¼ sec. 16, T. 1 N., R. 17 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 117.95. Water level, in feet below land-surface datum, 1944: Oct. 24, 11.44.

408 (*886, p. 331; 908, p. 332; 938, p. 181; 946, p. 224; 988, p. 296). S. A. Miles. NW¼SW¼ sec. 11, T. 1 N., R. 14 E. Water level, in feet below land-surface datum, 1944: Oct. 26, 11.5.

410 (*908, p. 232; 946, p. 224; 988, p. 296). University of Nebraska. SE¼SW¼ sec. 4, T. 2 N., R. 13 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 110.05. Water level, in feet below land-surface datum, 1944: Oct. 24, 4.83 (highest observed stage in period of record).

416 (*886, p. 331; 908, p. 233; 938, p. 181; 946, p. 224; 988, p.296). Mrs. Wittler. NW¼NE¼ sec. 22, T. 2 N., R. 14 E. Water level, in feet below land-surface datum, 1944: Oct. 24, 2.99 (highest observed stage in period of record).

417 (*908, p. 233; 938, p. 180; 946, p. 224; 988, p. 296). University of Nebraska. NW¼NW¼ sec. 19, T. 1 N., R. 16 E. No measurements made in 1944.

419 (*886, p. 331; 908, p. 233; 938, p. 181; 946, p. 224; 988, p. 296). University of Nebraska. SE¼SE¼ sec. 12, T. 1 N., R. 15 E. Water level, in feet below land-surface datum, 1944: Oct. 24, 1.71 (highest observed stage in period of record).

Rock County

117 (*817, p. 158; 840, p. 217; 845, p. 181; 886, p. 331; 908, p. 233; 938, p. 181; 988, p. 296). University of Nebraska. NW¼SE¼ sec. 8, T. 30 N., R. 17 W. Water level, in feet below land-surface datum, 1944: July 31, 3.00.

198 (*817, p. 158; 840, p. 217; 908, p. 233; 938, p. 181; 946, p. 224; 988. p. 296). H. Gallagher. SE¼SE¼ sec. 3, T. 30 N., R. 19 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 103.94. Water level, in feet below land-surface datum, 1944: May 16, 0.80 (water in ditch).

Saline County

194 (*817, p. 158; 840, p. 217; 845, p. 181; 886, p. 332; 908, p. 233; 938, p. 181; 946, p. 224; 988, p. 296). Prybl Estate. NE¼NE¼ sec. 24, T. 6 N., R. 1 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 126.53. Water level, in feet below land-surface datum, 1944: Sept. 14, 20.73 (highest observed stage in period of record).

341 (*817, p. 158; 840, p. 217; 845, p. 181; 886, p. 332; 908, p. 233; 938, p. 181; 946, p. 224; 988, p. 297). A. Kohout. NE¼NE¼ sec. 30, T. 7 N., R. 3 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 149.59. Water level, in feet below land-surface datum, 1944: Sept. 14, 49.79.

Sarpy County

26a (*938, p. 181; 946, p. 224; 988, p. 297). University of Nebraska. NE¼NW¼ sec. 26, T. 13 N., R. 13 E. No measurements made in 1944.

27 (*817, p. 159; 840, p. 218; 845, p. 182; 886, p. 332; 908, p. 234; 938, p. 181; 946, p. 225; 988, p. 297). Chicago, Burlington & Quincy Railroad. NE¼SW¼ sec. 27, T. 13 N., R. 13 E. No measurements made in 1944.

323 (*817, p. 159; 840, p. 218; 845, p. 182; 886, p. 332; 908, p. 234; 938, p. 181; 946, p. 225; 988, p. 297). S. Arbuthnot. SW¼SW¼ sec. 26, T. 14 N., R. 12 E. No measurements made in 1944.

Saunders County

19 (*817, p. 159; 840, p. 218; 845, p. 182; 886, p. 332; 908, p. 234; 938, p. 181; 946, p. 225; 988, p. 297). Chicago, Burlington & Quincy Railroad. SW¼NW¼ sec. 29, T. 14 N., R. 8 E. To convert water levels, from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 111.63. Water level, in feet below land-surface datum, 1944: Oct. 27, 8.55 (highest observed stage in period of record).

21 (*817, p. 159; 840, p. 218; 845, p. 182; 886, p. 332; 908, p. 234; 938, p. 181; 946, p. 225; 988, p. 297). City of Lincoln. SE¼SE¼ sec. 11, T. 13 N., R. 9 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 106.00. Water level, in feet below land-surface datum, 1944: Oct. 27, 4.46.

22 (*817, p. 159; 840, p. 218; 845, p. 182; 886, p. 332; 908, p. 234; 938, p. 181; 946, p. 225; 988, p. 297). City of Lincoln. SE¼SE¼ sec. 11, T. 13 N., R. 9 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 109.55. Water level, in feet below land-surface datum, 1944: Oct. 27, 11.28.

331 (*817, p. 160; 840, p. 218; 845, p. 182; 886, p. 332; 908, p. 234; 938, p. 181; 946, p. 225; 988, p. 297). Union Pacific Railroad. SE¼SW¼ sec. 35, T. 14 N., R. 5 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 109.03. Water level, in feet below land-surface datum, 1944: Oct. 26, 5.49.

2-6600W (*988, p. 297). Key well US 62. City of Lincoln. SW. corner sec. 24, T. 13 N., R. 9 E.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	5.88	Apr. 28	1.50	July 28	5.30	Oct. 27	5.90
Feb. 28	4.33	May 30	2.98	Aug. 29	4.75	Dec. 1	5.92
Mar. 31	3.73	June 30	3.72	Sept.30	5.80	29	5.56

Scotts Bluff County

438 (*840, p. 228; 845, p. 190; 886, p. 332; 908, p. 234; 938, p. 181; 946, p. 225; 988, p. 298). University of Nebraska. NE¼SE¼ sec. 21, T. 23 N., R. 56 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 108.71. Water level, in feet below land-surface datum, 1944: Nov. 16, 7.68.

439 (*840, p. 228; 845; p. 191; 886, p. 332; 908, p. 234; 938, p. 181; 946, p. 225; 988, p. 298). University of Nebraska. SE¼NE¼ sec. 28, T. 23 N., R. 56 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 109.63. Water level, in feet below land-surface datum, 1944: Nov. 16, 9.07.

440 (*840, p. 228; 845, p. 191; 886, p. 332; 908, p. 234; 938, p. 181; 946, p. 225; 988, p. 298). University of Nebraska. SE¼SE¼ sec. 28, T. 23 N., R. 56 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 103.91. Water level, in feet below land-surface datum, 1944: Nov. 16, 3.43.

442 (*840, p. 229; 845, p. 191; 886, p. 332; 908, p. 234; 938, p. 181; 946, p. 225; 988, p. 298). University of Nebraska. SE¼SE¼ sec. 4, T. 22 N., R. 56 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 108.35. Water level, in feet below land-surface datum, 1944: Nov. 16, 5.64 (ice in road ditch).

502 (*946, p. 225; 988, p. 298). Harry Long. NW¼SW¼ sec. 22, T. 23 N., R. 27 W. No measurements made in 1944.

Seward County

171 (*817, p. 160; 840, p. 229; 845, p. 192; 886, p. 332; 908, p. 234; 938, p. 182; 946, p. 225; 988, p. 298). Kilpatrick Estate. NE¼NE¼ sec. 22, T. 11 N., R. 3 E. No measurements made in 1944.

172 (*817, p. 160; 840, p. 229; 845, p. 192; 886, p. 332; 908, p. 234; 938, p. 182; 946, p. 225; 988, p. 298). W. Langworthy. SE¼NE¼ sec. 30, T. 11 N., R. 2 E. Tile casing filled in as a result of caving around well; measurements discontinued after Oct. 22, 1942.

Sheridan County

120 (*817, p. 161; 840, p. 229; 845, p. 192; 908, p. 235; 938, p. 182; 946, p. 226; 988, p. 298). C. Johnson. SE¼SE¼ sec. 5, T. 31 N., R. 46 W. No measurements made in 1944.

217 (*817, p. 161; 840, p. 229; 845, p. 192; 886, p. 333; 908, p. 235; 938, p. 182; 946, p. 226; 988, p. 298). University of Nebraska. NE¼SE¼ sec. 34, T. 24 N., R. 41 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 106.73. Water level, in feet below land-surface datum, 1944: Aug. 17, 8.30.

376 (*817, p. 161; 840, p. 230; 845, p. 192; 886, p. 333; 908, p. 235; 938, p. 182; 946, p. 226; 988, p. 298). University of Nebraska. SE¼SE¼ sec. 1, T. 31 N., R. 44 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 103.82. Water level, in feet below land-surface datum, 1944: Aug. 1, 3.16.

379 (*817, p. 161; 840, p. 230; 845, p. 192; 886, p. 333; 908, p. 235; 938, p. 182). University of Nebraska. SE¼SE¼ sec. 8, T. 24 N., R. 45 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 103.28. Measurements discontinued after Nov. 13, 1942; well destroyed.

432 (*886, p. 333; 908, p. 235; 938, p. 182). University of Nebraska. SE¼NE¼ sec. 8, T. 31 N., R. 46 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 105.78. Water level, in feet below land-surface datum, 1944: Aug. 1, 3.83.

Sherman County

58 (*817, p. 162; 840, p. 230; 845, p. 192; 886, p. 333; 908, p. 235; 938, p. 182; 946, p. 226; 988, p. 299). J. Kochiemba. NE¼SE¼ sec. 24, T. 15 N., R. 15 W. Water level, in feet below land-surface datum, 1944: July 18, 5.28.

Sioux County

81 (*817, p. 162; 840, p. 230; 845, p. 192; 886, p. 333; 908, p. 235; 938, p. 182; 946, p. 226; 988, p. 299). J. Cook. SW¼SW¼ sec. 33, T. 29 N., R. 55 W. No measurements made in 1944.

125 (*817, p. 162; 840, p. 230; 845, p. 192; 886, p. 333; 908, p. 235; 946, p. 226; 988, p. 299). Village of Harrison. NE¼SE¼ sec. 10, T. 31 N., R. 56 W. No measurements made in 1944.

377 (*817, p. 163; 840, p. 231; 845, p. 192; 886, p. 333; 908, p. 235; 938, p. 182; 946, p. 226; 988, p. 299). University of Nebraska. NW¼SW¼ sec. 6, T. 28 N., R. 55 W. No measurements made in 1944.

Stanton County

421 (*886, p. 333; 908, p. 235; 946, p. 226; 988, p. 299). University of Nebraska. NW¼NW¼ sec. 11, T. 23 N., R. 3 E. No measurements made in 1944.

Thayer County

166 (*817, p. 163; 840, p. 231; 845, p. 193; 886, p. 334; 908, p. 235; 938, p. 182; 988, p. 299). H. Eggert. SE¼NE¼ sec. 31, T. 3 N., R. 2 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 205.23. Water level, in feet below land-surface datum, 1944: Sept. 14, 104.93 (highest observed stage in period of record).

187 (*817, p. 163; 840, p. 231; 845, p. 193; 886, p. 334; 908, p. 235; 938, p. 182; 988, p. 299). L. Williams. SW¼SW¼ sec. 4, T. 4 N., R. 4 W. No measurements made in 1944.

452 (*886, p. 334; 908, p. 235; 938, p. 182; 988, p. 299). University of Nebraska. NW¼NE¼ sec. 22, T. 4 N., R. 4 W. No measurements made in 1944.

Thomas County

212 (*817, p. 163; 840, p. 231; 845, p. 193; 886, p. 334; 908, p. 236; 946, p. 226; 988, p. 299). University of Nebraska. NE¼SE¼ sec. 9, T. 23 N., R. 28 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 110.50. Water level, in feet below land-surface datum, 1944: Aug. 17, 10.85.

213 (*817, p. 164; 840, p. 231; 845, p. 193; 886, p. 334; 908, p. 236; 938, p. 182; 946, p. 227; 988, p. 299). University of Nebraska. NW¼NE¼ sec. 20, T. 24 N., R. 30 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 102.56. Water level, in feet below land-surface datum, 1944: Aug. 17, 2.89.

Thurston County

60 (*817, p. 164; 840, p. 231; 908, p. 236; 938, p. 182; 946, p. 227; 988, p. 299). S. French. SW¼SE¼ sec. 26, T. 25 N., R. 6 E. No measurements made in 1944.

102 (*817, p. 164; 840, p. 232; 845, p. 193; 886, p. 334; 908, p. 236; 946, p. 227; 988, p. 299). University of Nebraska. NW¼NW¼ sec. 12, T. 26 N., R. 5 E. No measurements made in 1944.

103 (*817, p. 164; 840, p. 232; 845, p. 193; 886, p. 334; 908, p. 236; 938, p. 182; 946, p. 227; 988, p. 299). D. Leap. SW¼NW¼ sec. 13, T. 26 N., R. 8 E. No measurements made in 1944.

Valley County

54 (*817, p. 164; 840, p. 232; 845, p. 193; 886, p. 334; 908, p. 236; 938, p. 183; 988, p. 300). E. Esterbrook. NW¼NE¼ sec. 26, T. 17 N., R. 16 W. No measurements made in 1944.

56 (*817, p. 165; 840, p. 232; 845, p. 193; 886, p. 334; 908, p. 236; 938, p. 183; 946, p. 227; 988, p. 300). C. Verzal. SW¼SE¼ sec. 6, T. 19 N., R. 14 W. No measurements made in 1944.

57 (*817, p. 165; 840, p. 232; 845, p. 193; 886, p. 334; 908, p. 236; 938, p. 183; 946, p. 227). W. T. Hutchins. SE¼SE¼ sec. 23, T. 18 N., R. 13 W. No measurements made in 1944.

601. Geol. Survey, U. S. Dept. of Interior. SW¼SE¼ sec. 26, T. 17 N., R. 16 W. Drilled observation well, diameter 12 inches, depth 11.3 feet. Measuring point, top of 15-inch corrugated sheet-metal culvert curb, east side, 1.3 feet above land-surface datum. Well was drilled Nov. 6, 1943, and was equipped with a Stevens Type F 8-day water-stage recorder on Dec.28 1943, which is serviced weekly by Keith S. Essex, Middle Loup Public Power and Irrigation District. Water levels, in feet below land-surface datum, 1943 (from recorder charts): Dec. 29, 5.53; Dec. 30, 5.53; Dec. 31, 5.52.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.52	4.88	4.66	4.66	3.75	5.02	....	....	5.49	5.89	5.70	5.44
2	5.51	4.87	4.66	4.32	3.81	5.11	....	....	5.54	5.89	5.71	5.47
3	5.49	4.88	4.67	4.37	b3.01	5.11	....	....	5.61	5.84	5.71	5.47
4	5.48	4.87	4.70	4.82	3.45	5.18	....	....	5.66	5.79	5.71	5.39
5	5.46	4.85	4.63	4.88	3.85	5.25	....	....	5.67	5.71	5.69	5.25
6	5.44	4.86	4.73	4.92	4.02	5.33	....	....	5.45	5.44	5.66	5.19
7	5.42	4.84	4.86	4.92	4.07	....	....	....	5.39	5.41	5.62	5.14
8	5.40	4.83	4.97	4.87	4.00	....	....	....	5.44	5.44	5.57	5.10
9	5.38	4.86	4.99	4.78	4.18	....	....	....	5.50	5.46	5.57	5.15
10	a5.37	a4.88	4.99	4.88	4.27	....	....	....	5.54	5.48	5.57	5.21
11	a5.37	a4.89	4.98	4.39	4.24	....	....	....	5.57	5.51	5.57	5.27
12	a5.35	a4.91	4.91	3.59	3.33	....	....	....	5.55	5.54	5.56	5.32
13	a5.34	a4.92	4.90	3.24	3.60	....	....	....	5.58	5.57	5.55	5.33
14	a5.32	4.93	4.93	....	3.60	....	....	....	5.61	5.60	5.53	5.32
15	a5.30	4.92	5.00	....	3.81	....	....	....	5.65	5.62	5.54	5.28
16	a5.28	4.89	5.02	....	4.01	....	....	....	5.69	5.63	5.55	5.24
17	a5.26	4.85	4.99	....	4.27	....	....	....	5.72	5.65	5.55	5.21
18	a5.24	4.88	4.89	....	4.52	....	5.99	....	a5.74	5.67	5.54	5.28
19	a5.22	4.91	4.91	....	4.66	....	6.03	....	a5.72	5.67	5.54	5.31
20	5.19	4.90	4.94	....	4.72	....	6.06	....	a5.73	5.64	5.50	5.32
21	5.17	4.79	4.97	....	4.45	....	6.09	....	a5.75	5.64	5.48	5.33
22	5.15	4.70	4.98	....	4.29	....	6.13	....	a5.77	5.64	5.47	5.36
23	5.11	4.65	4.92	....	4.38	....	6.16	....	a5.78	5.66	5.47	5.38
24	5.08	4.60	4.71	....	4.57	....	6.18	....	a5.81	5.67	5.47	5.39
25	a5.05	4.56	4.73	3.35	4.58	....	c6.21	6.07	a5.82	5.69	5.45	5.41
26	a5.04	4.58	4.78	3.44	4.56	....	....	6.00	5.83	5.70	5.31	5.41
27	5.02	4.64	4.79	3.63	4.66	....	....	5.93	5.84	5.71	5.24	5.41
28	4.97	4.63	4.76	3.83	5.20	....	....	5.89	5.85	5.71	5.22	5.40
29	4.93	4.64	4.65	3.87	4.84	....	....	5.88	5.85	5.71	5.27	5.35
30	4.91	....	4.77	3.47	4.92	....	....	5.83	5.87	5.71	5.36	5.27
31	4.88	....	4.76	....	4.96	....	....	5.60	....	....	....	5.21

a Interpolated.
b Highest observed stage in period of record.
c Lowest observed stage in period of record.

Washington County

32 (*817, p. 165; 840, p. 232; 845, p. 193; 886, p. 334; 908, p. 236; 938, p. 183; 946, p. 227; 988, p. 300). A. Matzen. NE¼SE¼ sec. 5, T. 17 N., R. 11 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 108.42. Water level, in feet below land-surface datum, 1944: Oct. 27, 4.63 (highest observed stage in period of record).

33 (*817, p. 165; 840, p. 232; 845, p. 193; 886, p. 334; 908, p. 236; 938, p. 183; 946, p. 227; 988, p. 300). E. Jensen. NE¼NE¼ sec. 3, T. 18 N., R. 11 E. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 128.26. Water level, in feet below land-surface datum, 1944: Oct. 27, 23.73 (highest observed stage in period of record).

Wayne County

100 (*817, p. 165; 840, p. 232; 845, p. 193; 886, p. 334; 908, p. 236; 938, p. 183; 946, p. 227; 988, p. 300). W. Andrews. NW¼SW¼ sec. 13, T. 26 N., R. 3 E. No measurements made in 1944.

Webster County

161 (*817, p. 166; 840, p. 232; 845, p. 193; 886, p. 336; 908, p. 236; 938, p. 183; 946, p. 227; 988, p. 300). R. Adams. NW¼SW¼ sec. 34, T. 3 N., R. 10 W. No measurements made in 1944.

162 (*817, p. 166; 840, p. 233; 845, p. 193; 946, p. 227; 988, p. 300). H. Somerhalder. NW¼SE¼ sec. 36, T. 2 N., R. 10 W. No measurements made in 1944.

163 (*817, p. 166; 840, p. 233; 845, p. 193; 886, p. 336; 908, p. 236; 938, p. 183; 946, p. 228; 988, p. 300). H. Pederson. SE¼NW¼ sec. 24, T. 2 N., R. 9 W. No measurements made in 1944.

Wheeler County

204 (*817, p. 166; 840, p. 233; 845, p. 193; 886, p. 336; 908, p. 237; 938, p. 183; 946, p. 228; 988, p. 300). University of Nebraska. NW¼NW¼ sec. 12, T. 23 N., R. 11 W. No measurements made in 1944.

205 (*817, p. 167; 840, p. 233; 845, p. 193; 886, p. 336; 908, p. 237; 938, p. 183; 946, p. 228; 988, p. 300). University of Nebraska. SE¼NE¼ sec. 22, T. 21 N., R. 12 W. No measurements made in 1944.

York County

167 (*817, p. 167; 840, p. 233; 845, p. 193; 908, p. 237; 938, p. 183; 946, p. 228; 988, p. 300). H. Moore. NW¼SE¼ sec. 32, T. 11 N., R. 3 W. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 161.26. Water level, in feet below land-surface datum, 1944: Oct. 25, 61.68.

225 (*817, p. 167; 840, p. 233; 845, p. 193; 908, p. 237; 938, p. 183; 946, p. 228; 988, p. 300). C. Miller. SW¼NW¼ sec. 15, T. 19 N., R. 2 W. Casing sealed by new pump; measurements discontinued after Aug. 2, 1940.

NORTH DAKOTA

By P. D. Akin

PROGRAM OF WORK

Ground-water investigations and measurement of water levels in observation wells in North Dakota were continued in 1944 in cooperation with the State Geological Survey of North Dakota. At the end of 1944 water levels were being measured in 132 observation wells, of which 6 were equipped with automatic water-stage recorders and 34 were measured weekly or bi-weekly by local observers or through the courtesy of city, State or other Federal agencies. Measurements were discontinued in 13 wells for various reasons. In this report are given the records of a total of 1,692 water-level measurements made in 1944 and, in addition, 1,762 water-level determinations obtained from the wells equipped with automatic water-stage recorders.

In cooperation with the North Dakota State Department of Health and the State Geological Survey, a detailed study of the ground-water conditions in the Dickinson area and a reconnaissance of the ground-water conditions in the Fessenden area were completed, and reports on both investigations were released to the public by placing typewritten copies on file at the offices of the respective cities, the North Dakota and United States Geological Survey offices at Grand Forks, N. Dak., and the United States Geological Survey, Washington, D. C. An investigation of the ground-water resources of the Minot area was begun in 1944, and water-level measurements were continued in connection with ground-water studies in the Oakes and Fargo-Moorhead areas.

PRECIPITATION

The average annual precipitation for the State in 1944, as reported by the United States Weather Bureau, was 21.45 inches, or 20 percent above normal. Departures from normal precipitation ranged from -2.86 inches to +11.45 inches at different stations in the State. The greatest positive departures occurred in the north and northeast portions of the State. Averages for the State were above normal in March, May, June, August, and November, with greatest monthly departures of +2.91 inches and +2.31 inches

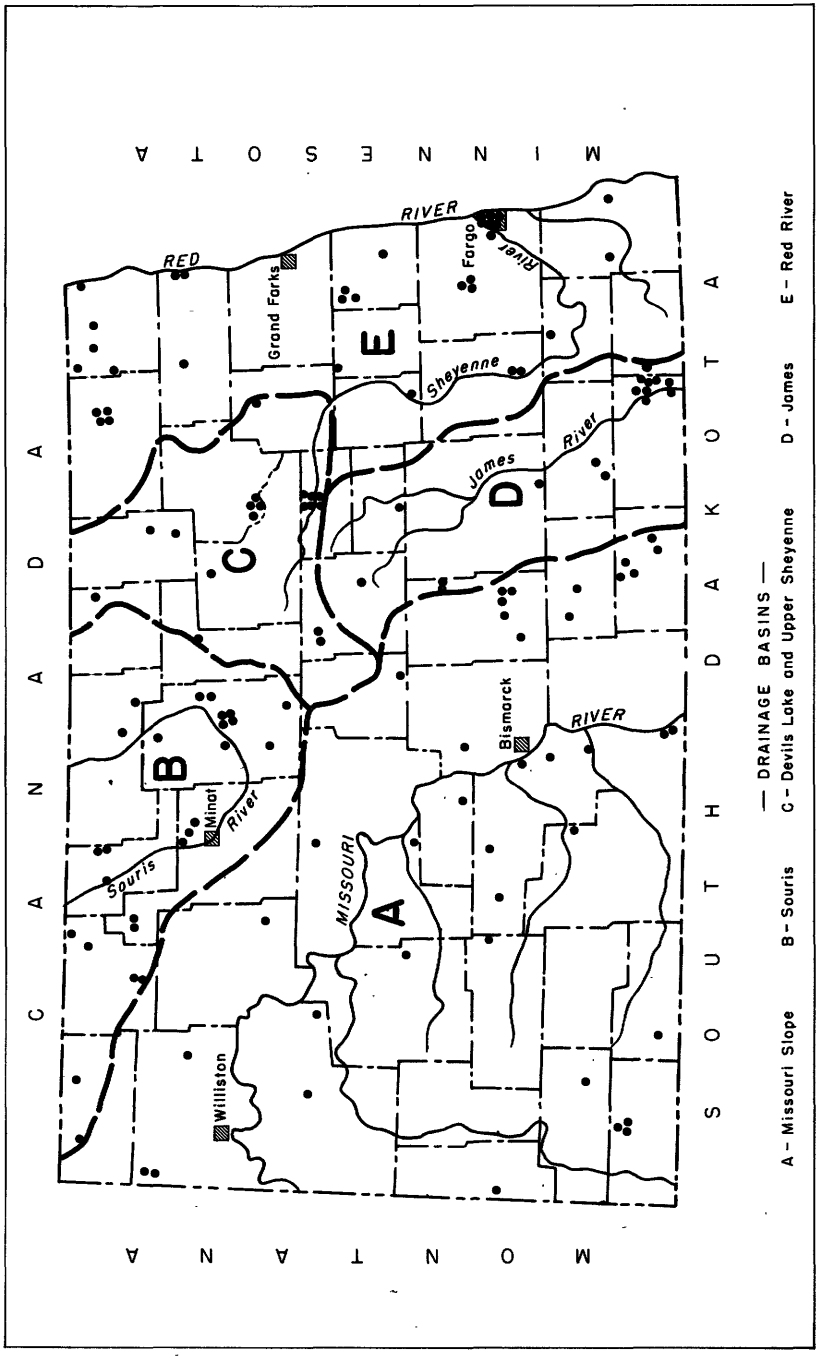

Figure 6.—Map of North Dakota showing drainage basins and distribution of observation wells at end of 1944.

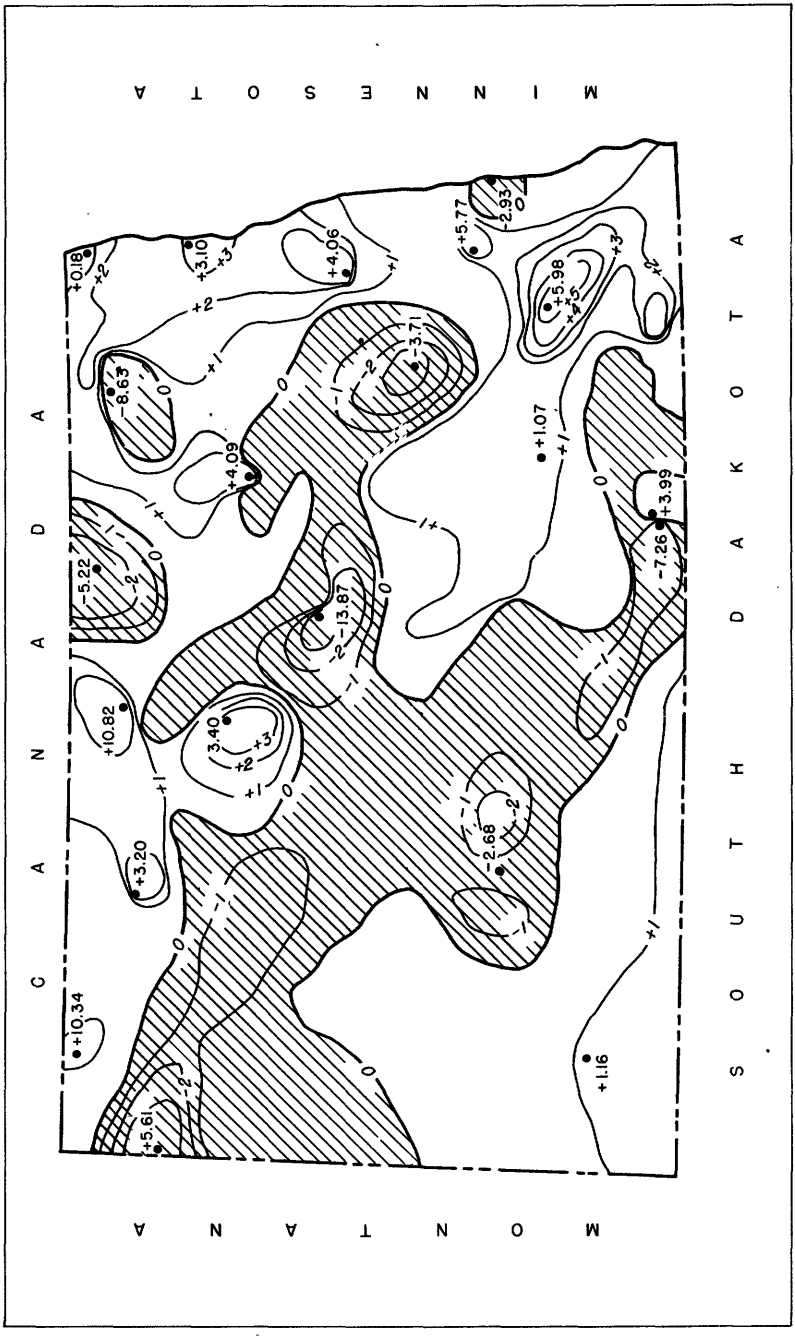

Figure 7 --Map of North Dakota showing change in ground-water levels during 1944 as indicated by comparison of last measurements made in 1943 and 1944 for each observation well. Cross-hatching indicates areas in which the water level lowered..

in June and August, respectively. Negative monthly departures from normal were all less than 1 inch.

FLUCTUATIONS OF WATER LEVEL

The average monthly water levels for the State from 1937 through 1944 are shown in the following table. These averages are based on selected observation wells. The averages for 1944 were computed from records of 18 wells distributed over the State in which water levels were measured

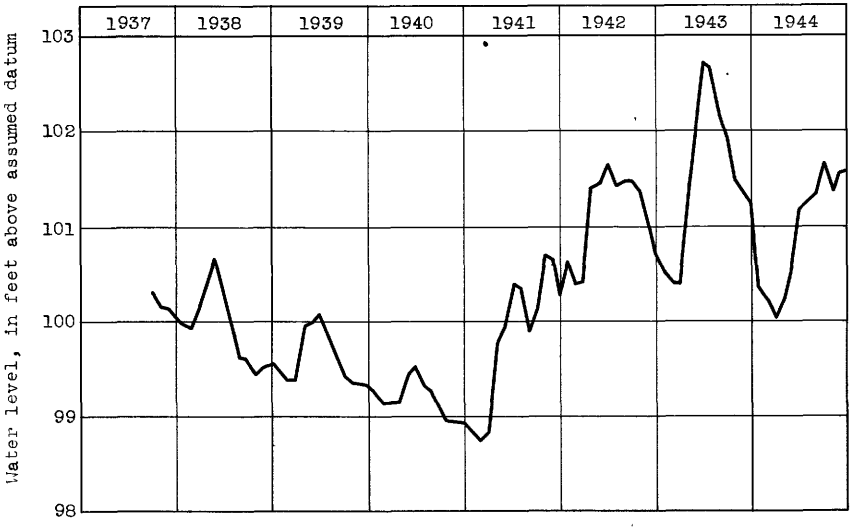

Figure 8.--Graph showing average monthly water level in 10 to 42 selected observation wells in North Dakota, 1937-44.

weekly. Figure 8 is a graphical presentation of these data. In general, the water levels went down during the earlier part of the year, reaching low stages for the year in March and April. The water levels generally began to rise in April and May, in response to recharge from snowmelt and rain, and continued to rise through the summer, reaching high stages for the year in September. In general they went down in October, rose slightly in November as a result of rain, and went down again in December. The average water levels for the State were 0.33 foot higher in December 1944 than in December 1943.

Average monthly water levels, in feet above assumed datum planes, in observation wells in North Dakota, 1937-44

Year	Jan.	Feb.	Mar.	Apr.	May	June
1937	.....	.....	.....	.....	.....	.....
1938	99.97	99.93	100.12	100.41	100.68	100.35
1939	99.49	99.38	99.38	99.95	99.98	100.07
1940	99.24	99.14	99.13	99.16	99.43	99.52
1941	98.84	98.74	98.83	99.76	99.97	100.43
1942	100.68	100.41	100.43	101.40	101.45	101.67
1943	100.51	100.44	100.40	101.30	102.09	102.73
1944	100.40	100.24	100.02	100.22	100.52	101.15

Average monthly water levels, in feet above assumed datum planes, in observation wells in North Dakota, 1937-44

Year	July	Aug.	Sept.	Oct.	Nov.	Dec.
1937	.....	.....	100.31	100.19	100.13	100.05
1938	99.99	99.61	99.59	99.44	99.51	99.54
1939	99.89	99.62	99.41	99.37	99.34	99.31
1940	99.34	99.24	99.07	98.96	98.95	98.92
1941	100.39	99.89	100.16	100.73	100.64	100.26
1942	101.42	101.48	101.48	101.35	100.98	100.73
1943	102.68	102.19	101.91	101.50	101.37	101.26
1944	101.28	101.37	101.67	101.36	101.55	101.59

The following table shows the general fluctuation and net change in ground-water levels during 1944 in several regions in the State according to drainage basins. These regions are (1) the Red River basin, exclusive of the Souris and upper part of the Sheyenne, (2) the Devils Lake and Upper Sheyenne River basin, (3) the James River basin, (4) the Souris River basin, and (5) the Missouri River basin, exclusive of the James.

Average high and low water levels, in feet below land-surface datum, and average fluctuation and average net change in water level, in feet, in selected observation wells in five drainage basins in North Dakota, 1944

Basin	Number of wells	High	Low	Fluctuation	Net change
Red River	12	7.74	13.28	5.38	+1.16
Devils Lake and Upper Sheyenne River	7	15.79	17.41	1.62	-.23
James River	6	21.42	21.71	.51	+.96
Souris River	11	22.94	25.14	2.11	+2.13
Missouri River	9	34.84	36.66	1.82	-.98

In the Red River basin the water levels were generally higher in 1944 than in 1943. The greatest measured rise was 5.98 feet in Ransom County well 1. However, the water levels declined at Fargo, in Cass County, and at Langdon, in Cavalier County, and in wells in Eddy, Foster, and Griggs Counties and adjacent areas. The greatest lowering of water level was 8.63 feet in well 45 at Langdon.

In the central part of the Devils Lake and Upper Sheyenne basin, the water levels were higher in 1944 than in 1943 but in the southern and northern parts they were lower.

In the James River basin the water levels were higher in 1944 than in 1943 except in some wells in Wells, Eddy, and Foster Counties, in the northern part of the basin, in Dickey and LaMoure Counties, in the southern part. The greatest rise was 3.58 feet in Foster County well 125, and the greatest decline was 2.09 feet in Dickey County well 102.

In the Souris River basin the water levels were generally higher than in 1944, and new highs were established for the period of record. Exceptions occurred in part of McHenry County, an adjacent area in Pierce County, and a small area in Ward County. The largest recorded net rise in the basin was 10.82 feet in Bottineau County well 112. This was also the largest net rise in the State. The next largest recorded rise was 10.34 feet in Divide County well 70. The greatest net lowering of water level in the basin in 1944 was in McHenry County well 113.

In the Missouri River basin the water levels declined in a wide area adjacent to the Missouri River. The greatest decline was 7.26 feet in McIntosh County well 96. The next largest decline was 5.61 feet at the other extremity of the region in Williams County well 78. The water levels rose in a large area in the southwestern part of the State and in small areas adjacent to the Souris River basin, on the north, and the James River basin, on the east. The greatest rise was 1.48 feet in Sioux County well 2.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Adams County

1 (*908, p. 240; 938, p. 187; 946, p. 232; *988, p. 307). Mrs. Halverson. SW¼SW¼ sec. 14, T. 130 N., R. 97 W. Water levels, in feet below land-surface datum, 1944: July 10, 47.68; Sept. 1, 48.64.

Barnes County

97 (*836, p. 531; 908, p. 240; 938, p. 187; 946; p. 232; *988, p. 307). H. H. Wilkins. NW¼SW¼ sec. 5, T. 138 N., R. 57 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	42.49	Apr. 8	42.59	July 15	41.20	Oct. 21	41.19
8	42.48	15	42.41	22	41.19	28	41.19
15	42.52	22	42.19	29	41.21	Nov. 4	41.20
22	42.55	29	42.19	Aug. 5	41.20	11	41.19
29	42.62	May 6	41.89	12	41.22	18	41.19
Feb. 5	42.61	13	41.84	19	41.21	25	41.18
12	42.64	20	41.59	26	41.21	Dec. 2	41.19
19	42.67	27	41.48	Sept. 2	41.19	9	41.20
26	42.67	June 3	41.19	9	41.17	16	41.21
Mar. 4	42.68	10	41.17	16	41.16	23	41.23
11	42.65	17	41.18	23	41.16	30	41.23
18	42.74	24	41.19	30	41.17		
25	42.79	July 1	41.23	Oct. 7	41.18		
Apr. 1	42.77	8	41.21	14	41.18		

98 (*886, p. 531; 908; p. 240; 938, p. 188; 946; p. 233; *988, p. 307). H. H. Wilkins. NW¼SW¼ sec. 5, T. 138 N., R. 57 W.

Water level, in feet below land-surface datum, 1944

Jan. 1	42.28	Apr. 8	42.06	July 8	37.92	Oct. 7	37.28
8	42.28	15	41.78	15	37.84	14	37.30
15	42.29	22	41.90	22	37.76	Oct. 21	37.32
22	42.34	29	42.68	29	37.74	28	37.34
29	42.31	May 6	39.92	Aug. 5	37.68	Nov. 4	37.35
Feb. 5	42.31	13	41.38	12	37.69	11	37.33
12	42.30	20	40.64	19	37.68	18	37.30
19	42.38	27	40.18	26	37.67	25	37.28
26	42.28	June 3	39.64	Sept. 2	37.58	Dec. 2	37.28
Mar. 4	42.27	10	39.08	9	37.38	9	37.31
11	42.25	17	38.57	16	37.27	16	37.34
18	42.28	24	38.28	23	37.24	23	37.35
25	42.30	July 1	38.17	30	37.25	30	37.38
Apr. 1	42.28						

Benson County

111 (*908, p. 240; 938, p. 188; 946, p. 233; *988, p. 307). H. Biltingsrud. NE¼SE¼ sec. 36, T. 156 N., R. 69 W. Water levels, in feet below land-surface datum, 1944: May 23, 16.34; Oct. 10, 16.19.

Billings County

88 (*845, p. 347; 836, p. 531; *908, p. 240; 938, p. 188; 946, p. 233; *988, p. 307). Roosevelt National Park. SW¼SE¼ sec. 32, T. 140 N., R. 100 W. Measurements discontinued.

Bottineau County

60 (*840, p. 320; 845, p. 347; 836, p. 531; 908, p. 241; 938, p. 188; 946, p. 233; *988, p. 308). Federal Land Bank. SE¼NE¼ sec. 23, T. 160 N., R. 76 W. Water levels, in feet below land-surface datum, 1944: July 14, 12.80; Sept. 26, 12.48.

112 (*908, p. 241; 938, p. 188; 946, p. 233; *988, p. 308). Frank Churchill. SE¼SE¼ sec. 25, T. 161 N., R. 78 W. Water levels, in feet below land-surface datum, 1944: July 14, 8.99; Sept. 23, 6.50.

Bowman County

83 (*908, p. 241; 938, p. 189; 946, p. 233; 988, p. 308). City of Bowman. NE¼NW¼ sec. 11, T. 131 N., R. 102 W. Measurements resumed July 1944. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 122.50. Water levels, in feet below land-surface datum, 1944: July 10, 18.91; Sept. 1, 19.19.

84 (*908 p. 242; 938, p. 189; 946, p. 233; *988, p. 308). City of Bowman. NE¼SW¼ sec. 11, T. 131 N., R. 102 W. Water levels, in feet below land-surface datum, 1944: July 10, 18.48; Sept. 1, 19.42.

85 (*908, p. 242; 938, p. 189; 946, p. 233; 988, p. 308). City of Bowman. NE¼SW¼ sec. 11, T. 131 N., R. 102 W. Measurements resumed July 1944. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 136.30. Water levels, in feet below land-surface datum, 1944: July 10, 32.25; Sept. 1, 32.76.

Burke County

52 (*938, p. 189; 946, p. 234; *988, p. 308). Fish and Wildlife Service, U. S. Dept. of Interior. SW¼SE¼ sec. 1, T. 163 N., R. 89 W. No measurements made in 1944.

66 (*840, p. 320; 845, p. 348; 886, p. 532; 908, p. 243; 938, p. 189; 946, p. 234; *988, p. 308). Mrs. P. M. Peterson. SE¼SE¼ sec. 5, T. 162 N., R. 89 W. Water level, in feet below land-surface datum, 1944: July 11, 69.44.

115 (*908, p. 243; 938, p. 190; 946, p. 234; *988, p. 308). Fish and Wildlife Service, U. S. Dept. of Interior. SE¼SW¼ sec. 21, T. 160 N., R. 91 W. Water levels, in feet below land-surface datum, 1944: Jan. 15, 57.09; July 12, 56.35.

116 (*908, p. 243; 938, p. 190; 946, p. 234; *988, p. 308). Fish and Wildlife Service, U. S. Dept. of Interior SE¼SE¼ sec. 4, T. 159 N., R. 91 W. Water levels, in feet below land-surface datum, 1944: Jan. 15, 76.55; July 12, 76.07.

Burleigh County

1 (*908, p. 244; 938, p. 190; 946, p. 234; *988, p. 309). Celia DeLong. SW¼SW¼ sec. 35, T. 141 N., R. 80 W. Water levels, in feet below land-surface datum, 1944: May 8, 14.47; Sept. 3, 14.86.

Cass County

Fargo area

The water levels were measured in 7 observation wells in the Fargo-Moorhead area throughout 1944 in cooperation with the city engineer for the city of Fargo, and in continuance of the ground-water investigation begun in that area in 1940. Six of the wells are equipped with automatic water-stage recorders, and weekly water-level measurements were made in well 28, which is not equipped with a recorder. Mr. H. G. Palmer, of the Fargo city engineer's office, made the water-level measurements and serviced the recorders in the Fargo area in 1944.

The water-level fluctuation in well 58, located near the pumped well at the Union Stockyards, in West Fargo, followed about the same pattern in 1944 as was observed in previous years. The water level rose during the first part of the year and reached its maximum stage early in June, then declined throughout the rest of the year, except during September and early October, when it rose slightly. During most of the year the water level was at about the same stage as in comparable seasons in 1943, but was above the 1943 stage at some times. However, in December 1944 the water level lowered rapidly whereas in previous years it either lowered at a decelerated rate or began to rise in December. The unusual lowering in December was probably due to increased seasonal pumpage. The water level was 2.93 feet lower at the end of 1944 than at the end of 1943.

Wells 3, 4, 5, 12, 28, and 67 are located within the Fargo city limits. Well 28 evidently became plugged in May 1944 as a result of surface water entering the well, as the water level since that time has been about 30 feet higher than previously. No ground water was pumped from well 14 by the city of Fargo in 1944, and as a result the water levels in wells 3, 5, 12, and 67 were relatively inactive during the year as compared to previous years, the change in water level being less than 1 foot during the year. The water-level fluctuations in well 4 followed a pattern similar to that of previous years but the change in water level during the year was only slightly more than 1 foot. The average water level in the five wells was 0.14 foot lower at the end of 1944 than at the end of 1943.

3 (*908, p. 246; 938, p. 191; 946, p. 236; *988, p. 310). The Pierce Co., 1019 First Avenue North, Fargo.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.45	30.45	30.49	30.39	30.35	30.30	30.36	30.31	30.17	30.32	30.36	30.37
2	30.44	30.45	30.47	30.43	30.33	30.27	30.35	30.31	.....	30.33	30.34	30.37
3	30.43	30.43	30.46	30.44	30.33	30.26	30.33	30.31	.....	30.33	30.38	30.36
4	30.46	30.43	30.46	30.44	30.33	30.22	30.32	30.24	.....	30.32	30.41	30.35
5	30.46	30.42	30.46	30.44	30.36	30.21	30.29	30.20	.....	30.31	30.41	30.35
6	30.49	30.42	30.43	30.44	30.36	.....	30.24	30.19	.....	30.27	30.40	30.34
7	30.51	30.41	30.37	30.41	30.35	.....	30.20	30.19	.....	30.30	30.39	30.31
8	30.51	30.42	30.39	30.40	30.35	.....	30.20	30.19	30.26	30.33	30.36	30.33
9	30.50	30.44	30.42	30.40	30.35	30.27	30.21	30.18	30.25	30.34	30.33	30.35
10	30.47	30.47	30.42	30.41	30.35	30.27	30.21	30.17	30.24	30.34	30.34	30.37
11	30.47	30.49	30.37	30.42	30.35	30.27	30.21	30.19	30.24	30.34	30.34	30.37
12	30.49	30.49	30.41	30.41	30.35	30.27	30.20	30.19	30.25	30.34	30.33	30.37
13	30.49	30.47	30.43	30.41	30.31	30.24	30.20	30.20	30.25	30.33	30.33	30.36
14	30.48	30.42	30.44	30.39	30.30	30.22	30.20	30.21	30.25	30.35	30.32	30.36
15	30.48	30.43	30.44	30.38	30.29	30.23	30.21	30.21	30.24	30.38	30.32	30.34
16	30.48	30.44	30.43	30.40	30.26	30.25	30.22	.....	30.23	30.39	30.36	30.34

3--Continued.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
17	30.48	30.44	30.43	30.41	30.25	30.27	30.22	.....	30.23	30.39	30.36	30.35
18	30.47	30.45	30.41	30.41	30.25	30.27	30.22	.....	30.24	30.37	30.37	30.35
19	30.45	30.45	30.41	30.41	30.25	30.28	30.23	30.23	30.25	30.38	30.37	30.35
20	30.45	30.45	30.40	30.41	30.26	30.28	30.24	30.24	30.25	30.38	30.37	30.35
21	30.45	30.43	30.41	30.41	30.25	30.27	30.26	30.26	30.27	30.39	30.37	30.38
22	30.47	30.43	30.42	30.41	30.24	30.28	30.26	30.28	30.30	30.39	30.36	30.38
23	30.47	30.42	30.41	30.41	30.23	30.29	30.25	30.30	30.31	30.38	30.35	30.38
24	30.46	30.41	30.38	30.40	30.23	30.30	30.24	30.31	30.31	30.37	30.35	30.37
25	30.43	30.41	30.38	30.36	30.24	30.29	30.24	30.31	30.30	30.37	30.35	30.39
26	30.47	30.41	30.39	30.39	30.28	30.29	30.24	30.31	30.30	30.41	30.35	30.40
27	30.47	30.45	30.39	30.41	30.31	30.28	30.26	30.29	30.30	30.41	30.35	30.38
28	30.46	30.47	30.41	30.41	30.32	30.31	30.26	30.28	30.30	30.41	30.35	30.39
29	30.45	30.49	30.41	30.41	30.32	30.35	30.27	30.25	30.30	30.41	30.35	30.38
30	30.45	.....	30.39	30.39	30.31	30.36	30.27	30.23	30.29	30.41	30.36	30.35
31	30.45	.....	30.38	.....	30.31	.....	30.28	30.22	.....	30.38	.....	30.36

4 (*908, p. 247; 938, p. 192; 946, p. 236; *988, p. 311). City of Fargo. In Island Park.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	38.85	38.87	38.92	38.87	38.83	38.89	39.26	39.71	39.25	39.31	39.30	39.32
2	38.83	38.83	38.89	38.90	38.86	38.94	39.24	c39.76	39.26	39.36	39.32	39.31
3	38.85	38.84	38.91	38.91	38.86	38.92	39.24	c39.60	39.27	39.32	39.36	39.28
4	38.89	38.84	38.91	38.91	38.89	38.90	39.24	39.61	39.28	39.28	39.38	39.29
5	38.89	38.83	38.89	38.91	38.89	38.89	39.14	39.66	39.32	39.26	39.36	39.29
6	38.92	38.83	38.91	38.88	38.87	38.89	39.02	39.69	39.33	39.29	39.33	39.25
7	38.95	38.81	38.81	38.85	38.85	38.83	b38.94	39.67	39.33	39.33	39.29	39.24
8	38.95	38.82	38.85	38.83	38.85	38.72	38.98	39.63	39.33	39.35	39.24	39.25
9	38.87	38.85	38.88	38.84	38.86	a38.67	38.96	39.62	39.30	39.35	39.27	39.28
10	38.87	38.39	38.78	38.86	38.86	38.63	38.94	39.57	39.29	39.35	39.27	39.29
11	38.91	38.91	38.82	38.85	38.87	38.70	38.93	39.57	39.29	39.34	39.27	39.29
12	38.94	38.91	38.87	38.85	38.80	38.83	39.01	39.57	39.30	39.31	39.28	39.28
13	38.94	.....	38.87	38.84	38.78	38.90	39.05	39.58	39.30	39.32	39.28	39.28
14	38.89	38.86	38.87	38.80	38.76	38.94	39.11	39.62	39.29	39.35	39.24	39.26
15	38.89	38.88	38.87	38.83	38.76	38.95	39.14	39.59	39.28	39.37	39.29	39.25
16	38.90	38.85	38.84	38.86	38.72	38.99	39.16	39.55	39.26	39.36	39.30	39.25
17	38.90	38.88	38.84	38.90	38.72	39.02	39.16	39.56	39.25	39.35	39.31	39.25
18	38.86	38.88	38.89	38.91	38.75	39.01	39.22	39.54	39.29	39.36	39.30	39.26
19	38.89	38.88	38.88	38.91	38.75	39.04	39.30	30.49	39.30	39.36	39.29	39.26
20	38.88	38.87	38.84	38.90	38.74	39.03	39.33	39.50	39.27	39.37	39.29	39.30
21	38.87	38.86	38.87	38.93	38.71	39.01	39.33	39.54	39.33	39.38	39.30	39.31
22	38.90	38.86	38.88	38.93	38.67	39.04	39.32	39.55	39.34	39.37	39.27	39.28
23	38.91	38.83	38.83	38.92	38.71	39.04	39.35	39.56	39.36	39.33	39.26	39.28
24	38.83	38.84	38.80	38.87	38.74	39.04	39.36	39.56	39.34	39.33	39.26	39.27
25	38.84	38.84	38.83	38.86	38.75	39.04	39.36	39.55	39.31	39.36	39.27	39.30
26	38.91	38.86	38.84	38.89	38.84	39.09	39.43	39.48	39.31	39.38	39.26	39.30
27	38.92	38.90	38.84	38.90	38.86	39.16	39.50	39.47	39.32	39.38	39.27	39.30
28	38.83	38.91	38.84	38.90	38.85	39.25	39.56	39.45	39.33	39.39	39.28	39.30
29	38.83	38.92	38.83	38.88	38.83	39.26	39.59	39.42	39.36	39.38	39.32	39.23
30	38.83	.....	38.80	38.87	38.85	39.27	39.61	39.39	39.32	39.34	39.32	39.26
31	38.87	.....	38.80	.....	38.87	.....	39.65	39.36	.....	39.30	.....	39.28

a Red River rose 4.31 feet during previous week.
b Heavy rains during previous week; river rose 1.66 feet.
c Heavy rains.

5 (*908, p. 248; 938, p. 193; 946, p. 237; *988, p. 311). Gardner Hotel, First Street North and Roberts Street, Fargo.

5--Continued.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.80	30.77	30.77	30.73	30.73	30.64	.....	30.59	30.57	30.59	30.67	30.67
2	30.80	30.77	30.77	30.73	30.73	30.64	.....	30.59	30.57	30.59	30.66	30.67
3	30.79	30.77	30.77	30.73	30.72	30.64	.....	30.59	30.57	30.60	30.66	30.67
4	30.79	30.77	30.77	30.73	30.72	30.63	.....	30.59	.....	30.60	30.66	30.67
5	30.79	30.77	30.77	30.73	30.72	30.63	.....	30.59	.....	30.60	30.67	30.67
6	30.79	30.76	30.77	30.73	30.72	30.63	.....	30.58	.....	30.60	30.67	30.66
7	30.80	30.76	30.76	30.73	30.72	30.62a	30.63	30.58	.....	30.60	30.67	30.66
8	30.80	30.76	30.76	30.73	30.72	30.62	.....	30.57	30.56	30.60	30.67	30.66
9	30.80	30.75	30.76	30.73	30.72	30.62	.....	.....	30.56	30.61	30.67	30.66
10	30.80	30.76	30.76	30.73	30.72	30.61	.....	.....	30.56	30.61	30.67	30.66
11	30.80	30.77	30.76	30.73	30.72	30.61	.....	30.57	30.56	30.61	30.67	30.66
12	30.80	30.77	30.75	30.73	30.71	30.61	.....	30.57	30.56	30.61	30.67	30.66
13	30.80	30.77	30.75	30.73	30.70	30.61	.....	30.57	.....	30.61	30.67	30.66
14	30.80	30.76	30.75	30.74	30.70	30.60a	30.60	30.56	.....	30.61	30.67	30.66
15	30.80	30.76	30.75	30.74	30.70	30.60	30.58	30.56	30.56	30.61	30.66	30.66
16	30.80	30.76	30.75	30.74	30.70	30.60	30.58	.....	30.56	30.62	30.66	30.66
17	30.80	30.76	30.75	30.73	30.69	30.60	30.58	.....	30.56	30.62	20.67	30.66
18	30.80	30.77	30.75	30.73	30.69	30.60	30.57	30.56	30.56	30.62	30.67	30.66
19	30.79	30.77	30.75	30.73	30.69	30.60	30.57	30.56	30.55	30.63	30.67	30.66
20	30.79	30.77	30.75	30.73	30.68	30.60	30.57	30.56	30.55	30.65	30.67	30.66
21	30.79	30.77	30.75	30.74	30.68	30.60	30.58	30.56	30.55	30.65	30.67	30.66
22	30.79	30.76	30.75	30.74	30.67	30.60	30.58	30.56	30.56	30.65	30.67	30.66
23	30.79	30.76	30.75	30.74	30.66	30.60	30.58	30.56	30.56	30.65	30.67	30.65
24	30.79	30.76	30.75	30.74	30.66	30.60	30.58	30.57	30.57	30.65	30.68	30.65
25	30.79	30.76	30.74	30.74	30.66	30.60	30.58	30.57	30.57	30.65	30.68	30.65
26	30.78	30.76	30.74	30.74	30.65	30.60	30.58	30.57	30.58	30.66	30.68	30.65
27	30.78	30.76	30.74	30.74	30.64	30.60	30.57	30.57	30.58	30.66	30.67	30.65
28	30.78	30.76	30.74	30.74	30.64	30.60	30.58	30.57	30.58	30.66	30.67	30.65
29	30.78	30.76	30.74	30.74	30.64	30.61	30.58	30.57	30.59	30.66	30.67	30.65
30	30.78	.....	30.74	30.74	30.64	30.61	30.58	.....	30.59	30.67	30.67	30.65
31	30.78	.....	30.73	.....	30.64	.....	30.58	.....	.....	30.67	.....	30.65

a Tape measurement.

8 (*840, p. 320; 845, p. 348; 886, p. 532; 908, p. 249; 938, p. 194; 946, p. 238; *988, p. 312). Mrs. Arthur D. South. SE¼SE¼ sec. 14, T. 140 N., R. 52 W. Water levels, in feet below land-surface datum, 1944: June 20, 19.88; Dec. 7, 19.77.

10 (*840, p. 321; 845, p. 349; 886, p. 532; 908, p. 249; 938, p. 194; 946, p. 238; *988, p. 312). Mrs. Arthur D. South. SE¼SE¼ sec. 14, T. 140 N., R. 52 W. Pump removed in 1944. New measuring point, top of steel casing at north side of well, 0.67 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: June 20, 18.00: Dec. 7, 17.64.

12 (*840, p. 321; 845, p. 349; 886, p. 532; *908, p. 249; 938, p. 195; 946, p. 238; *988, p. 312). City of Fargo. SW¼SW¼ sec. 1, T. 139 N., R. 49 W.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	36.24	36.35	36.36	36.16	35.97	35.73	35.72	35.66	35.54	35.99	36.08	36.26
2	36.24	36.28	36.30	36.19	36.00	35.70	35.70a	35.67	35.57	35.97	36.12	36.21
3	36.25	36.34	36.34	36.19	35.97	35.69	35.71a	.....	35.59	35.94	36.19	36.19
4	36.32	36.32	36.33	36.18	36.01	35.57	35.61	35.34	35.63	35.89	36.19	36.21
5	36.32	36.31	36.29	36.18	36.00	35.63	35.50	35.41	35.68	35.87	36.17	36.32
6	36.34	36.30	36.20	36.12	35.98	35.67	35.45	35.42	35.70	35.90	36.13	36.19
7	36.38	36.29	36.24	36.11	35.97	35.67	35.49	35.42	35.71	35.97	36.10	36.21
8	36.36	36.31	36.29	36.10	35.96	35.75	35.57	35.46	35.70	35.99	36.05	36.24
9	36.26	36.34	36.30	36.14	35.97	35.73	35.56	35.46	35.68	36.00	36.08	36.28
10	36.27	36.38	36.21	36.17	35.96	35.73	35.54	35.50	35.68	.....	36.10	36.30
11	36.33	36.39	36.21	36.15	35.96	35.70	35.50	35.62	35.70	36.24	36.07	36.30
12	36.37	36.36	36.27	36.14	35.90	35.66	35.52	35.62	35.73	36.09	36.09	36.30

a Heavy rains; surface water ran into well.

12--Continued.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	36.34	36.29	36.28	36.11	35.83	35.64	35.53	35.61	35.73	36.07	36.08	36.32
14	36.31	36.31	36.27	36.08	35.82	35.64	35.50	35.64	35.72	36.10	36.05	36.30
15	36.34	36.35	36.26	36.11	35.81	35.64	.....	35.60	35.72	36.11	36.11	36.30
16	36.35	36.30	36.20	36.12	35.76	35.68	.....	35.62	35.74	36.11	36.14	36.31
17	36.36	36.34	36.22	36.14	35.77	35.70	.....	35.65	35.73	36.08	36.15	36.36
18	36.30	36.35	36.27	36.14	35.79	35.67	.....	35.62	35.78	36.09	36.15	36.35
19	36.34	36.33	36.25	36.12	35.78	35.71	.....	35.59	35.80	36.10	36.14	36.37
20	36.32	36.31	36.21	36.11	35.79	35.69	.....	35.63	35.77	36.10	36.15	36.41
21	36.33	36.29	36.25	36.14	35.77	35.67	35.57	35.66	35.85	36.14	36.16	36.44
22	36.37	36.31	36.26	36.13	35.72	35.69	35.53	35.68	35.87	36.08	36.15	36.41
23	36.37	36.26	36.16	36.10	35.74	35.67	35.54	35.71	35.88	36.05	36.13	36.41
24	36.28	36.28	36.15	36.02	35.75	35.66	35.55	35.71	35.85	26.05	36.13	36.41
25	36.29	36.29	36.18	36.04	35.73	35.64	35.55	35.68	35.84	36.09	36.14	36.42
26	36.40	36.28	36.18	36.08	35.80	35.65	35.55	35.65	.....	36.13	36.12	36.48
27	36.40	36.34	36.18	36.10	35.80	35.63	35.57	35.63	36.00	36.15	36.17	36.46
28	36.30	36.35	36.18	36.09	35.79	35.74	35.58	35.62	35.97	36.19	36.16	36.51
29	36.31	36.37	36.14	36.06	35.77	35.77	35.60	35.60	35.94	36.18	36.18	36.43
30	36.30	.....	36.11	36.02	35.75	35.76	35.59	35.59	35.95	36.13	36.22	36.48
31	36.35	.....	36.11	.....	35.75	.....	35.62	35.58	.....	36.09	.....	36.50

14 (*845 p. 349; 886, p. 533; 908, p. 250; *988, p. 313). City of Fargo. NW¼SW¼ sec. 1, T. 139 N., R. 49 W. Measurements discontinued.

28 (*840, p. 321; 845, p. 350; 886, p. 533; 908, p. 250; 938, p. 195; 946; p. 239; *988, p. 313). City of Fargo. NW¼SW¼ sec. 1, T. 139 N., R. 49 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	36.81	Apr. 7	36.46	July 21	3.96	Oct. 20	4.41
14	36.74	14	36.43	28	4.39	27	4.68
21	36.74	21	36.49	Aug. 4	4.05	Nov. 3	4.94
28	36.71	28	36.45	11	3.81	10	4.83
Feb. 4	36.69	May 5	36.36	18	4.02	17	4.55
11	36.81	26	a 4.82	25	4.39	24	4.53
18	36.74	June 2	4.72	Sept. 1	3.39	Dec. 1	4.35
25	36.66	9	4.47	8	3.63	8	4.41
Mar. 3	36.71	16	4.66	15	3.65	15	4.66
10	36.55	23	4.93	22	3.79	22	4.89
17	36.57	30	5.23	29	4.31	29	5.05
24	36.47	July 7	4.05	Oct. 6	4.19		
31	36.48	14	3.75	13	3.79		

a Flooded with surface water.

29 (*840, p. 321; 845, p. 350; 886, p. 533; 908, p. 251; 938, p. 196; 946, p. 239; *988, p. 314). Mrs. Arthur D. South. SE¼SE¼ sec. 14, T. 140 N., R. 52 W. Water level, in feet below land-surface datum, 1944: June 20, 14.28.

58 (*845, p. 351; 886, p. 533; 908, p. 251; 938, p. 197; 946, p. 239; *988, p. 314). Union Stockyards. SE¼NE¼ sec. 6, T. 139 N., R. 49 W.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	53.82	52.84	51.68	50.18	48.20	47.69	49.70	50.98	53.08	51.42	53.14	56.08
2	53.05	52.76	51.61	49.80	48.38	47.82	49.20	51.15	52.95	51.20	53.25	56.08
3	52.88	52.84	51.67	49.95	48.20	47.72	48.95	50.85	52.75	51.48	53.35	55.95
4	53.28	52.70	51.55	50.26	48.04	47.15	48.85	51.08	52.25	51.55	53.54	55.84

58--Continued.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	53.49	52.55	51.10	50.29	48.06	47.04	48.98	51.06	.....	51.53	53.45	56.22
6	53.74	52.17	.....	50.16	47.98	47.20	49.43	50.70	.....	51.64	53.36	56.33
7	53.98	51.80	.....	49.77	47.61	47.35	50.05	50.69	.....	51.60	53.44	56.38
8	53.95	51.93	.....	49.50	47.60	47.79	50.05	51.25	52.85	51.35	53.49	56.50
9	53.45	52.00	.....	49.15	48.11	48.26	49.31	51.54	52.85	51.20	53.75	56.48
10	53.21	52.10	.....	49.37	48.20	48.30	49.47	51.77	52.45	51.54	53.94	56.40
11	53.53	51.98	.....	49.75	48.07	47.90	49.59	52.37	51.95	51.75	53.93	56.05
12	53.70	51.87	.....	49.74	47.95	47.57	49.74	52.36	52.20	51.80	53.62	56.33
13	53.93	51.62	.....	49.65	47.88	47.76	50.14	51.43	52.29	51.98	53.50	56.46
14	54.06	51.43	.....	49.37	47.40	48.13	50.25	51.48	52.00	51.90	53.77	56.68
15	53.85	51.60	.....	49.20	47.38	48.17	50.17	51.53	52.19	51.65	53.95	56.80
16	53.45	51.55	.....	48.96	47.60	48.74	49.78	51.60	52.14	51.48	54.20	56.80
17	53.43	51.66	a49.40	49.03	47.75	48.74	49.71	51.98	51.75	51.77	54.45	56.50
18	53.50	51.88	.....	49.12	47.69	48.00	50.26	52.37	.....	52.14	54.45	56.20
19	53.65	51.78	.....	49.23	47.94	48.02	50.36	52.37	.....	52.63	54.35	56.48
20	53.55	51.32	.....	49.08	47.94	48.30	50.59	51.97	.....	52.87	54.19	56.85
21	53.64	51.03	50.55	49.17	47.58	48.69	50.38	.....	.....	52.78	54.45	57.15
22	53.45	51.30	50.80	49.00	47.21	48.90	50.40	.....	52.17	52.40	54.75	57.19
23	53.07	51.44	50.64	48.54	47.47	49.11	49.88	.....	52.17	51.93	54.75	57.19
24	52.82	51.61	50.74	48.38	47.54	49.01	50.33	.....	51.98	52.17	54.60	56.70
25	52.93	51.68	50.44	48.54	47.57	48.60	50.54	.....	51.45	52.60	54.65	56.26
26	53.01	51.61	49.37	48.59	47.67	48.73	50.78	55.90	51.56	52.98	54.60	56.35
27	52.98	51.40	50.37	48.85	47.58	49.08	50.97	55.25	51.57	53.21	54.75	56.57
28	52.84	51.44	50.54	49.00	47.34	49.35	51.06	54.58	51.67	53.20	55.15	56.75
29	52.68	51.70	50.45	49.00	47.38	49.71	50.88	54.45	51.84	52.88	55.47	56.80
30	52.35	.....	50.58	48.58	47.28	49.91	50.37	53.85	51.84	52.65	55.87	56.80
31	52.60	.....	50.48	.....	47.45	.....	50.45	54.55	.....	52.98	.....	56.60

a Tape measurement.

67 (*845, p. 352; 886, p. 533; *908, p. 252; 938, p. 197; 946, p. 240; *988, p. 315). City of Fargo. NW¼NE¼ sec. 18, T. 139 N., R. 48 W.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.89	32.93	32.93	32.86	.....	32.86	33.09	33.37	.....	33.12	33.06	33.13
2	32.88	32.86	32.90	32.89	.....	32.87	33.11	b33.37	.....	33.11	33.12	33.10
3	32.90	32.90	32.92	32.89	.....	.....	33.11	b33.15	.....	33.07	33.15	33.07
4	32.94	32.90	32.92	32.88	.....	.....	33.06	32.91	.....	33.02	33.16	33.08
5	32.94	32.89	32.88	32.89	32.88	32.76	32.96	32.77	.....	33.00	33.14	33.07
6	32.97	32.89	32.79	32.83	32.86	32.76	32.74	32.81	.....	33.05	33.09	33.02
7	32.98	32.86	32.85	32.82	32.86	32.67	a32.71	32.82	.....	33.10	33.06	33.01
8	32.97	32.91	32.90	32.79	32.86	32.58	32.74	32.87	32.96	33.11	33.02	33.04
9	32.89	32.92	32.91	32.81	32.89	32.54	32.73	32.86	32.96	33.11	33.05	33.06
10	32.88	32.95	32.81	32.83	32.87	32.56	32.73	32.87	32.96	33.10	33.06	33.07
11	32.94	32.96	32.86	32.81	32.89	32.67	32.73	33.01	32.99	33.09	33.04	33.06
12	32.97	32.93	32.91	32.80	32.79	32.77	32.81	33.01	33.01	33.05	33.06	33.04
13	32.96	32.85	32.91	32.79	32.80	.....	32.86	33.06	33.01	33.08	33.05	33.04
14	32.90	32.90	32.91	32.77	32.78	.....	32.93	33.08	32.98	33.12	33.02	33.02
15	32.92	32.91	32.89	32.83	32.78	.....	32.97	33.06	32.99	33.14	33.07	33.02
16	32.93	32.86	32.84	32.87	32.73	32.90	32.98	33.02	32.98	33.14	33.08	33.02
17	32.93	32.92	32.88	32.89	32.75	32.91	32.97	33.04	32.96	33.11	33.09	33.03
18	32.88	32.92	32.93	32.91	32.76	32.93	33.01	33.04	33.02	33.13	33.09	33.02
19	32.93	32.90	32.91	32.91	32.76	32.94	33.03	33.01	33.03	33.13	33.09	33.02
20	32.92	32.87	32.87	32.92	32.75	32.93	33.05	33.05	33.01	33.12	33.08	33.05
21	32.91	32.86	32.90	32.93	32.72	32.93	33.03	33.07	33.06	33.14	33.09	33.06
22	32.94	32.88	32.90	32.93	32.69	32.94	33.02	33.10	33.07	33.12	33.05	33.05
23	32.94	32.85	32.83	32.91	32.73	32.92	33.06	33.11	33.08	33.08	33.04	33.05
24	32.96	32.86	32.84	32.84	32.76	32.92	33.09	33.11	33.07	33.08	33.04	33.04
25	32.86	32.86	32.86	32.87	32.77	32.91	33.10	33.10	33.05	33.11	33.05	33.07
26	32.94	32.88	32.86	32.89	32.82	32.92	33.14	33.08	33.05	33.14	33.03	33.07

a Heavy rains during previous week; river rose 1.66 feet.
b Heavy rains.

67--Continued.

Lowest daily water level, in feet below land-surface datum, 1944
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
27	32.95	32.92	32.86	32.89	32.84	32.97	33.20	33.04	33.06	33.13	33.04	33.07
28	32.88	32.92	32.86	32.88	32.84	33.07	33.27	33.02	33.07	33.16	33.05	33.07
29	32.89	32.93	32.82	32.86	32.83	33.09	33.31	33.00	33.04	33.14	33.09	33.00
30	32.88	.....	32.80	32.84	32.84	33.10	33.33	32.98	33.08	33.11	33.13	33.02
31	32.93	.....	32.80	.....	32.86	.....	33.36	32.96	.....	33.07	.....	33.04

122 (*908, p. 253; 938, p. 199; 946, p. 241; *988, p. 315). Leonard Hobbs. NE¼NE¼ sec. 2, T. 139 N., R. 49 W. Measurements discontinued.

Cavalier County

43 (*840, p. 322; *845, p. 352; 886, p. 534; 908, p. 254; 938, p. 200; 946, p. 242; *988, p. 316). City of Langdon. SE¼SW¼ sec. 14, T. 161 N., R. 60 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	18.88	Apr. 8	19.84	July 15	18.80	Oct. 21	17.94
8	18.96	15	19.75	23	18.73	28	17.94
15	19.11	22	19.73	29	18.79	Nov. 4	17.94
22	19.19	29	19.63	Aug. 6	18.75	13	17.67
29	19.23	May 6	19.63	12	18.75	18	17.59
Feb. 7	19.27	13	19.67	19	18.77	25	17.31
12	19.31	20	19.56	26	18.83	Dec. 2	17.11
19	19.42	27	19.66	Sept. 2	18.77	10	17.02
26	19.48	June 3	19.23	9	18.29	16	16.94
Mar. 4	19.56	10	19.23	18	17.99	24	16.90
11	19.54	17	19.15	23	18.11	30	17.00
18	19.79	24	19.01	Oct. 2	17.96		
25	19.73	July 1	18.81	7	17.96		
Apr. 1	19.81	8	18.84	16	17.94		

44 (*840, p. 322; *845, p. 353; 886, p. 534; 908, p. 254; 938, p. 200; 946, p. 243; *988, p. 316). City of Langdon. SW¼SE¼ sec. 14, T. 161 N., R. 60 W.

Water level, in feet below land-surface datum, 1944

Date		Date		Date		Date	
Jan. 3	15.35	Apr. 8	21.18	July 8	20.14	Oct. 7	20.50
8	17.43	15	22.64	15	17.31	16	20.60
15	15.02	22	20.68	22	16.35	21	20.70
22	17.56	29	18.14	29	15.94	28	20.83
29	15.10	May 6	18.43	Aug. 5	16.02	Nov. 4	20.85
Feb. 7	15.27	13	17.58	12	22.25	13	19.98
12	14.43	20	18.93	19	21.37	18	19.75
19	16.35	27	19.93	26	21.56	25	19.75
26	16.64	June 3	15.27	Sept. 2	19.89	Dec. 2	20.02
Mar. 4	21.35	10	19.68	9	19.93	10	20.06
11	16.02	17	17.35	18	20.29	16	20.14
18	16.43	24	18.18	23	20.39	24	20.48
25	19.35	July 1	17.27	Oct. 2	20.45	30	20.60
Apr. 1	15.68						

45 (*840, p. 322; *845, p. 353; 886, p. 534; 908, p. 254; 938, p. 200; 946, p. 243; *988, p. 316). City of Langdon. SW¼NW¼ sec. 23, T. 161 N., R. 60 W. Affected by impounded water.

Water level, in feet below land-surface datum, 1944

Date		Date		Date		Date	
Jan. 1	24.17	Jan. 22	20.13	Feb. 13	26.17	Mar. 5	22.61
8	26.13	29	21.13	19	a 37.47	12	22.61
15	24.20	Feb. 7	a 29.20	27	34.38	19	23.17

a Pumping prior to measurement.

45--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 26	24.80	June 10	24.47	Aug. 20	17.97	Oct. 28	34.47
Apr. 2	25.11	18	20.51	27	20.74	Nov. 5	32.09
9	a 18.68	25	22.05	Sept. 2	b 36.13	11	30.88
16	21.09	July 2	19.80	10	21.34	19	31.84
23	22.74	9	20.90	17	16.55	25	29.90
30	21.09	15	18.90	24	20.25	Dec. 2	29.05
May 7	24.13	23	19.05	Oct. 2	20.53	10	28.76
14	31.84	30	16.55	7	25.95	17	25.34
20	31.47	Aug. 6	16.88	15	29.22	24	30.84
27	37.97	13	18.15	22	35.63	31	32.18
June 3	25.47						

a Pumping prior to measurement.
b Recharge to reservoir 300 feet from well.

46 (*840, p. 322; *845, p. 354; 886, p. 534; 908, p. 254; 938, p. 200; 946, p. 243; *988, p. 317). City of Langdon. NE¼SE¼ sec. 14, T. 161 N., R. 60 W.

Water level, in feet below land-surface datum, 1944

Date		Date		Date		Date	
Jan. 1	8.33	Apr. 1	10.85	July 1	5.19	Sept. 30	3.52
8	8.65	8	10.63	8	5.36	Oct. 7	3.88
15	8.90	15	11.11	15	6.77	14	4.13
22	9.15	22	11.06	22	6.56	21	4.40
29	9.40	29	10.98	29	6.29	28	4.46
Feb. 5	9.54	May 6	10.94	Aug. 5	5.00	Nov. 4	4.75
12	9.77	13	10.90	12	4.52	11	3.05
19	9.96	20	10.69	19	4.81	18	2.27
26	10.15	27	10.06	26	5.25	25	2.27
Mar. 4	10.33	June 3	8.31	Sept. 2	3.44	Dec. 2	2.90
11	10.46	10	7.23	9	3.11	9	3.50
18	10.69	17	6.42	18	3.11	16	3.96
25	8.96	24	6.52	23	3.40	23	4.65

Dickey County

72A (*886, p. 535; 908, p. 235; 938, p. 201; 946, p. 244; *988, p. 317). State of North Dakota. NE¼ sec. 36, T. 131 N., R. 64 W. Measurements discontinued.

92 (*845, p. 354; 886, p. 535; 908, p. 255; 938, p. 201; 946, p. 244; *988, p. 317). S. A. Reko. NE¼NW¼ sec. 27, T. 131 N., R. 60 W. Water level, in feet below land-surface datum, 1944: June 20, 26.99.

101 (*908, p. 256; *938, p. 202; 946, p. 244; *988, p. 318). D. C. Botts. NE¼NW¼ sec. 7, T. 129 N., R. 59 W.

Water level, in feet below land-surface datum, 1944

Date		Date		Date		Date	
Jan. 2	7.17	Feb. 21	7.50	Apr. 9	7.58	May 28	7.08
9	7.33	27	7.58	16	7.58	June 4	7.00
16	7.33	Mar. 5	7.50	23	7.50	10	7.08
23	7.50	12	7.67	30	7.50	18	7.00
30	7.50	19	7.58	May 7	7.33	25	7.00
Feb. 6	7.42	26	7.42	14	7.25	July 2	7.08
13	7.50	Apr. 2	7.42	21	7.17	9	7.00

102 (*908, p. 256; 938, p. 202; 946, p. 245; *988, p. 318). State of North Dakota. SE¼SE¼ sec. 16, T. 131 N., R. 59 W. Water levels, in feet below land-surface datum, 1944: June 20, 21.59; Nov. 7, 23.00.

104 (*938, p. 202; 946, p. 245; *988, p. 318). Lynus Sitts, Jr. SW¼SW¼ sec. 33, T. 131 N., R. 59 W. Water levels, in feet below land-surface datum, 1944: June 20, 6.04; Nov. 7, 5.69.

105 (*908, p. 256; 938, p. 202; 946, p. 245; *988, p. 318). H. G. Martin, administrator. SW¼NW¼ sec. 9, T. 130 N., R. 59 W. Water level, in feet below land-surface datum, 1944: June 20, 6.20.

121 (*938, p. 203; 946, p. 245; *988, p. 318). M. J. Reinhart. SW¼NW¼ sec. 3, T. 130 N., R. 59 W. Water level, in feet below land-surface datum, 1944: June 20, 3.72.

128 (*908, p. 257; 938, p. 203; 946, p. 246; *988, p. 318). City of Oakes. NE¼NW¼ sec. 28, T. 131 N., R. 59 W. Water levels, in feet below land-surface datum, 1944: June 20, 6.79; Nov. 7, 6.93.

136 (*988, p. 319). Fred Sletvold. NE¼NE¼ sec. 29, T. 131 N., R. 59 W. Recorder removed. Water levels, in feet below land-surface datum, 1944: June 20, 9.79; Nov. 7, 9.76.

Divide County

70 (*845, p. 355; 886, p. 536; 908, p. 259; 938, p. 204; 946, p. 246; *988, p. 319). J. M. Johnson. SE¼SW¼ sec. 22, T. 163 N., R. 67 W. Water level, in feet below land-surface datum, 1944: July 12, 4.92.

117 (*908, p. 259; 938, p. 204; 946, p. 246; *988, p. 319). A. U. Anderson. NE¼NE¼ sec. 34, T. 163 N., R. 100 W. Water level, in feet below land-surface datum, 1944: July 12, 11.89.

Dunn County

90 (*946, p. 246; *988, p. 319). S. F. Lesmeister. SE¼NE¼ sec. 25, T. 145,N., R. 92 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	7.99	Mar. 17	7.99	May 12	8.35	Sept. 1	7.17
15	8.56	24	7.96	26	7.25	8	6.98
21	7.98	31	7.96	June 29	5.21	29	7.33
28	7.96	Apr. 14	8.50	July 14	4.99	Nov. 10	7.42
Feb. 11	7.17	21	8.33	21	5.67	Dec. 15	7.50
28	7.99	28	7.96	28	5.74	22	7.46
Mar. 3	8.19	May 5	7.98	Aug. 19	6.96		

Eddy County

17 (*817 p. 230; *845, p. 355; 886, p. 537; 908, p. 259; 938, p. 205; 946, p. 247; *988, p. 319). L. S. Rude. SE¼NW¼ sec. 9, T. 150 N., R. 66 W. Water levels, in feet below land-surface datum, 1944: June 22, 9.38; Nov. 9, 9.41.

18 (*817 p. 230; *840, p. 323; 845, p. 356; 886, p. 537; 908, p. 259; 938, p. 205; 946, p. 247; *988, p. 319). U. S. No. 49. Stockyards. NW¼SW¼ sec. 9, T. 150 N., R. 66 W.

Water level, in feet below land-surface datum, 1944

Jan. 8	6.73	Mar. 25	8.08	June 10	7.84	Sept. 9	4.05
15	7.75	Apr. 1	8.12	17	7.94	Oct. 7	8.01
22	7.80	8	7.97	24	7.75	14	7.79
29	7.82	15	8.10	July 8	7.77	21	7.78
Feb. 5	7.86	22	8.12	17	7.67	28	7.88
12	7.89	29	8.14	29	7.78	Nov. 4	7.86
19	7.91	May 6	8.21	Aug. 5	7.84	11	7.80
26	8.04	13	8.20	12	7.62	25	7.86
Mar. 4	8.83	20	8.12	19	4.78	Dec. 23	7.96
11	7.98	27	8.91	Sept. 2	7.62	30	7.99
18	8.77	June 3	7.89				

19 (*817, p. 230; *845, p. 356; 886, p. 537; 908, p. 260; 938, p. 205; 946, p. 247; *988, p. 320). Gilbert Olson. SE¼NW¼ sec. 9, T. 150 N., R. 66 W. Water levels, in feet below land-surface datum, 1944: June 22, 14.79; Nov. 11, 15.09.

20 (*817, p. 230; *845, p. 356; 886, p. 537; 908, p. 260; 938, p. 205; 946, p. 247; *988, p. 320). Knute Egger. SE¼NW¼ sec. 9, T. 150 N., R. 66 W. Water levels, in feet below land-surface datum, 1944: June 22, 18.28; Nov. 9, 16.39.

21 (*817, p. 230; *845, p. 356; 886, p. 537; 908, p. 260; 938, p. 205; 946, p. 247; *988, p. 320). Elmer Moe. NE¼NW¼ sec. 9, T. 150 N., R. 66 W. Water levels, in feet below land-surface datum, 1944: June 22, 19.69; Nov. 9, 19.80.

154 (*908, p. 260; 938, p. 205; 946, p. 247; 988, p. 320). Pfau estate. NE¼SE¼ sec. 28, T. 148 N., R. 67 W. Unreduced flow, in gallons a minute, 1944: June 21, 12.

Emmons County

123 (*938, p. 206; 946, p. 247; *988, p. 320). State of North Dakota. NE¼NE¼ sec. 8, T. 132 N., R. 74 W. Measurements discontinued.

Foster County

125 (*908, p. 260; *938, p. 206; 946, p. 247; *988, p. 320). J. W. Wampler. NW¼NE¼ sec. 22, T. 145 N., R. 66 W. Water levels, in feet below land-surface datum, 1944: June 21, 7.18; Sept. 14, 6.29.

Golden Valley County

2 (*946, p. 248; *988, p. 320). City of Beach. NW¼SW¼ sec. 25, T. 140 N., R. 106 W. Water level, in feet below land-surface datum, 1944: July 10, 24.72.

Grant County

121 (*908, p. 260; 938, p. 206; 946, p. 248; *988, p. 320). R. O. Ozbun. NE¼NE¼ sec. 10, T. 134 N., R. 85 W. Water levels, in feet below land-surface datum, 1944: July 8, 20.48; Sept. 1, 20.54.

Griggs County

1 (*908, p. 260; 938, p. 206; 946, p. 248; *988, p. 320). Griffith Loan & Investment Co. SW¼NW¼ sec. 20, T. 144 N., R. 59 W. Water level, in feet below land-surface datum, 1944: Nov. 6, 23.49.

Kidder County

50 (*840, p. 323; 845, p. 357; 886, p. 538; 908, p. 260; 938, p. 206; 946, p. 248; *988, p. 321). U. S. No. 53. Herman Peterson. SW¼SW¼ sec. 9, T. 138 N., R. 73 W. Water levels, in feet below land-surface datum, 1944: July 6, 6.78; Sept. 14, 7.74.

147 (*908, p. 261; 938, p. 207; 946, p. 248; *988, p. 321). Phillip Mitteleider. Center of S½ sec. 27, T. 139 N., R. 71 W. Water levels, in feet below land-surface datum, 1944: July 6, 2.05; Sept. 14, 6.89.

148 (*908, p. 261; 938, p. 207; 946, p. 249; *988, p. 321). Chas. Woesnner. NE¼SW¼ sec. 10, T. 139 N., R. 72 W. Water levels, in feet below land-surface datum, 1944: July 6, 11.10; Sept. 14, 12.16.

149 (*908, p. 261; 938, p. 207; 946, p. 249; *988, p. 321). Village of Tappen. SW¼NW¼ sec. 10, T. 139 N., R. 71 W. Water levels, in feet below land-surface datum, 1944: July 6, 7.37; Sept. 14, 8.00.

150 (*908, p. 261; 938, p. 207; 946, p. 249; 988, p. 321). Ramon Grimm. SW¼NW¼ sec. 14, T. 142 N., R. 70 W. Measurements discontinued.

151 (*908, p. 261; 938, p. 207; 946, p. 249; *988, p. 321). Mrs. Fagereng. NW¼NE¼ sec. 23, T. 142 N., R. 70 W. Water levels, in feet below land-surface datum, 1944: July 6, 18.73; Sept. 14, 18.87.

152 (*908, p. 261; 938, p. 207; 946, p. 249; *988, p. 321). Northern Pacific Railway. SW¼NE¼ sec. 12, T. 142 N., R. 70 W. Water levels, in feet below land-surface datum, 1944: July 6, 35.49; Sept. 14, 35.63.

166 (*908, p. 261; 938, p. 207; 946, p. 249; *988, p. 321). Jake Schaurer. SW¼SW¼ sec. 3, T. 139 N., R. 71 W. Water levels, in feet below land-surface datum, 1944: July 6, 10.42; Sept. 14, 10.77.

LaMoure County

1 (*908, p. 261; 938, p. 207; 946, p. 249; *988, p. 321). Town of Edgeley. SW¼NW¼ sec. 3, T. 133 N., R. 64 W. Water level, in feet below land-surface datum, 1944: June 21, 25.42.

2A (*886, p. 538; 908, p. 262; 938, p. 207; 946, p. 249; *988, p. 321). Mrs. Fidela Davis. SW¼SE¼ sec. 24, T. 134 N., R. 64 W. Water level, in feet above land-surface datum, 1944: June 21, 0.95.

Logan County

143 (*908, p. 262; 938, p. 208; 946, p. 249; *988, p. 321). Oscar France. N½SW¼ sec. 17, T. 135 N., R. 72 W. Water level, in feet below land-surface datum, 1944: July 6, 16.76.

146 (*908, p. 262; 938, p. 208; 946, p. 249; *988, p. 322). George Dummland. NW¼NW¼ sec. 27, T. 135 N., R. 72 W. Water level, in feet below land-surface datum, 1944: July 6, 29.58.

McHenry County

101 (*886, p. 539; 908, p. 262; 938, p. 208; 946, p. 250; *988, p. 322). Denbigh Forest Experimental Station well 1. Forest Service, U. S. Dept. of Agriculture. SW. corner SW¼NW¼ sec. 36, T. 156 N., R. 78 W.

Water levels, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
July 30	3.50	Oct. 1	4.30	Dec. 1	3.80
Sept. 1	4.20	Nov. 1	4.00		

102 (*886, p. 540; 908, p. 263; 938, p. 208; 946, p. 250; *988, p. 322). U. S. No. 50. Denbigh Forest Experimental Station well 2. Forest Service, U. S. Dept. of Agriculture. NW. corner SW¼NW¼ sec. 36, T. 156 N., R. 78 W.

Water levels, in feet below land-surface datum, 1944

Jan. 7	6.07	Jan. 28	6.19	Apr. 14	5.89
21	6.21	Feb. 4	6.20	Oct. 10	5.59

104 (*886, p. 542; 908, p. 263; 938, p. 209; 946, p. 250; 988, p. 322). Denbigh Forest Experimental Station well 4. Forest Service, U. S. Dept. of Agriculture. SE. corner SW¼NW¼ sec. 36, T. 156 N., R. 78 W. Measurements resumed July 1944. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 107.14.

Water levels, in feet below land-surface datum, 1944

July 30	3.60	Oct. 1	5.50	Dec. 1	4.90
Sept. 1	4.40	Nov. 1	5.20		

105 (*886, p. 543; 908, p. 263; 938, p. 209; 946, p. 250; 988, p. 322). Denbigh Forest Experimental Station well 5. Forest Service, U. S. Dept. of Agriculture. SE. corner SE¼SE¼ sec. 36, T. 156 N., R. 78 W. Measurements resumed July 1944. To convert water levels from feet above assumed datum, as published in previous reports, to feet below land-surface datum, subtract from 107.42. Water level, in feet below land-surface datum, 1944: July 30, 3.50.

113 (*908, p. 263; 938, p. 209; 946, p. 250; *988, p. 322). Mrs. H. Notbohm. SW¼SE¼ sec. 1, T. 151 N., R. 77 W. Water level, in feet below land-surface datum, 1944: July 13, 10.68.

156 (*908, p. 263; *938, p. 209; 946, p. 250; *988, p. 322). Minneapolis, St. Paul, and Sault Ste. Marie Railway. SW¼NW¼ sec. 6, T. 152 N., R. 79 W. Water level, in feet below land-surface datum, 1944: July 13, 13.35.

157 (*908, p. 263; 938, p. 210; 946, p. 250; *988, p. 322). Federal Land Bank. SE¼SE¼ sec. 9, T. 153 N., R. 78 W. Measurements discontinued.

159 (*908, p. 263; 938, p. 210; 946, p. 250; *988, p. 322). Harold H. Sullwold. NW¼SE¼ sec. 33, T. 156 N., R. 79 W. Water level, in feet below land-surface datum, 1944: July 13, 5.40.

160 (*908, p. 263; 938, p. 210; 946, p. 250; *988, p. 322). Forest Service, U. S. Dept. of Agriculture. SE¼SW¼ sec. 31, T. 157 N., R. 75 W. Water level, in feet below land-surface datum, 1944: July 13, 2.88.

161 (*908, p. 264; 938, p. 210; 946, p. 250; *988, p. 323). Village of Towner. SE¼NW¼ sec. 11, T. 156 N., R. 76 W. Water level, in feet below land-surface datum, 1944: July 13, 11.22

162 (*908, p. 264; 938, p. 210; 946, p. 250; *988, p. 323). Walter Arneson. SW¼SE¼ sec. 3, T. 158 N., R. 78 W. Water levels, in feet below land-surface datum, 1944: July 14, 6.35; Sept. 27, 17.99.

McIntosh County

93 (*845, p. 357; 886, p. 545; 908, p. 264; 938, p. 210; 946, p. 251; *988, p. 323). Freida Forrest. SE¼SW¼ sec. 7, T. 130 N., R. 69 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	7.86	Feb. 26	6.96	Apr. 22	2.57	June 17	2.77
11	7.97	Mar. 11	7.09	29	3.48	24	3.38
15	8.08	14	6.77	May 6	1.08	July 1	3.86
22	8.06	18	8.18	13	1.46	8	1.54
29	7.08	25	8.29	20	2.37	22	8.42
Feb. 5	6.97	Apr. 1	8.22	21	2.25	29	11.89
12	6.88	8	8.24	June 3	2.27	Aug. 5	15.04
19	6.87	15	1.92	10	2.27		

94 (*845, p. 358; 886, p. 545; 908, p. 264; 938, p. 210; 946, p. 251; *988, p. 323). Freida Forrest. SE¼SW¼ sec. 7, T. 130 N., R. 69 W.

Water level, in feet below land-surface datum, 1944

Jan. 1	7.97	Feb. 26	8.56	Apr. 22	1.97	June 17	0.97
11	7.86	Mar. 4	8.44	29	2.73	24	1.27
15	7.44	11	8.56	May 6	2.35	July 1	1.23
22	7.44	18	8.37	13	2.16	8	1.73
29	8.43	25	7.45	20	2.35	15	8.11
Feb. 5	8.34	Apr. 1	7.50	27	2.03	22	2.85
12	8.25	8	7.44	June 3	2.26	29	3.26
19	8.47	15	0.44	10	1.42	Aug. 5	3.65

137 (*908, p. 264; 938, p. 211; 946, p. 251; *988, p. 323). Federal Land Bank. SE¼NE¼ sec. 24, T. 132 N., R. 71 W. Water levels, in feet below land-surface datum, 1944: July 6, 7.62; Nov. 8, 8.13.

138 (*908, p. 265; 938, p. 211; 946, p. 251; *988, p.323). C. Hiller. NE¼NE¼ sec. 32, T. 132 N., R. 70 W. Measurements discontinued.

139 (*908, p. 265; 938, p. 211; 946, p. 251; *988, p.323). Dan Nigisch. NE¼SE¼ sec. 28, T. 132 N., R. 70 W. Water levels, in feet below land-surface datum, 1944: July 6, 14.66; Nov. 8, 15.34.

141 (*908, p. 265; *938, p. 211; 946, p. 251; *988, p.323). U. S. No. 55. Town of Wishek. NE¼NE¼ sec. 15, T. 132 N., R. 71 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	19.73	Apr. 8	19.65	July 9	19.42	Oct. 7	19.09
9	19.71	16	19.63	16	19.37	16	19.58
15	19.77	23	19.67	23	19.37	23	19.63
22	19.75	30	19.63	31	19.38	29	19.67
29	19.75	May 7	19.67	Aug. 6	19.46	Nov. 5	19.71
Feb. 5	19.77	14	19.65	13	19.38	12	19.67
13	19.79	21	19.67	20	19.50	18	19.63
20	19.94	28	19.65	27	18.96	27	19.63
27	19.88	June 4	19.63	Sept. 3	19.50	Dec. 3	19.52
Mar. 5	19.85	10	19.63	10	19.37	10	19.67
12	19.85	18	19.63	16	19.48	18	19.58
25	19.88	25	19.58	24	19.35	24	19.56
Apr. 2	19.70	July 2	19.54	30	19.59	30	19.52

McKenzie County

81 (*845, p. 358; 886, p. 545; 908, p. 265; 938, p. 211; 946, p. 252; *988, p.324). Chas. E. Fleck. SW¼SW¼ sec. 12, T. 150 N., R. 100 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	114.09	Apr. 1	114.35	July 8	114.23	Oct. 7	114.31
8	113.98	8	114.15	15	114.20	14	114.22
15	114.20	15	114.33	22	114.05	21	114.11
22	114.25	22	114.22	29	114.03	28	114.18
29	114.17	29	114.05	Aug. 5	114.19	Nov. 4	114.07
Feb. 5	114.18	May 6	114.12	12	114.02	11	114.16
12	114.03	13	114.04	19	114.28	18	114.09
19	114.19	22	114.20	26	114.27	25	114.38
26	114.23	27	114.19	Sept. 2	114.15	Dec. 2	113.96
Mar. 4	113.96	June 3	114.08	9	114.14	9	114.24
11	114.33	10	114.07	16	114.05	16	113.89
18	114.25	24	114.09	23	114.12	23	113.95
25	114.11	July 1	113.96	30	114.54	30	114.30

119 (*908, p. 265; 938, p. 211; 946, p. 252; *988, p.324). Federal Land Bank. NE¼NW¼ sec. 8, T. 145 N., R. 98 W. Water level, in feet below land-surface datum, 1944: July 10, 97.60.

McLean County

27 (*840, p. 323; 845, p. 358; 886, p. 546; 908, p. 266; 938, p. 212; 946, p. 252; *988, p.324). State of North Dakota. SW¼NW¼ sec. 15, T. 149 N., R. 84 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	45.25	Mar. 4	45.43	May 6	45.43	July 15	45.60
8	45.31	12	45.23	13	45.47	22	45.14
15	45.35	18	45.39	20	45.39	29	45.13
22	45.39	25	45.52	27	45.47	Aug. 5	45.27
29	45.43	Apr. 1	45.58	June 3	45.56	13	45.42
Feb. 5	45.43	8	45.50	10	45.43	19	45.16
12	45.43	15	45.60	17	45.40	26	45.18
19	44.75	22	45.56	July 1	45.23	Sept. 2	45.14
26	45.39	29	45.47	8	45.35	9	45.14

27--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 15	45.14	Oct. 14	45.31	Nov. 4	45.35	Nov. 25	45.35
23	45.31	21	45.35	11	45.47	Dec. 2	45.23
30	45.31	28	45.43	18	45.60	9	45.39
Oct. 7	45.35						

Mercer County

118 (*908, p. 266; 938, p. 212; 946, p. 252; *988, p. 325). Maichel Bros. SE¼NE¼ sec. 22, T. 144 N., R. 85 W. Water level, in feet below land-surface datum, 1944: July 9, 18.14.

Morton County

1 (*938, p. 212; 946, p. 252; *988, p. 325). Fred Lehde. SW¼SW¼ sec. 15, T. 139 N., R. 85 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	31.49	Apr. 8	32.43	July 8	31.94	Oct. 8	32.83
8	31.56	15	32.41	15	31.98	14	32.93
15	31.59	22	32.65	22	31.91	21	33.07
22	31.68	29	32.73	29	31.98	28	33.22
31	31.81	May 6	32.78	Aug. 5	31.98	Nov. 4	33.30
Feb. 5	31.80	13	32.87	12	32.00	11	33.93
12	31.85	20	32.91	19	32.04	20	33.50
19	31.90	27	33.02	26	32.08	24	33.60
26	32.02	June 3	33.08	Sept. 4	32.24	Dec. 2	33.77
Mar. 4	32.10	10	32.56	9	32.43	9	33.85
11	31.80	17	32.88	16	32.52	16	34.06
18	32.17	24	31.90	23	32.64	23	34.04
25	31.84	July 1	31.39	30	32.68	30	34.07
Apr. 1	32.34						

2 (*938, p. 212; 946, p. 253; *988, p. 325). Henry Polenberg. NW¼NE¼ sec. 32, T. 139 N., R. 88 W. Water level, in feet below land-surface datum, 1944: Sept. 3, 7.66.

3 (*938, p. 212; 946, p. 253; *988, p. 325). Joe Lenz, Jr. SW¼SE¼ sec. 6, T. 136 N., R. 81 W. Water level, in feet below land-surface datum, 1944: Sept. 1, 22.76.

4 (*938, p. 212; 946, p. 253; *988, p. 325). Albrecht and Johnson. NW¼SW¼ sec. 36, T. 134 N., R. 82 W. Water level, in feet below land-surface datum, 1944: Sept. 1, 15.81.

49 (*840, p. 324; *845, p. 359; 886, p. 546; 908, p. 266; 938, p. 213; 946, p. 253; *988, p. 325). U. S. No. 54. Soil Conservation Service, U. S. Dept. of Agriculture. NW¼NW¼ sec. 4, T. 138 N., R. 81 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Feb. 4	15.82	Mar. 31	16.63	May 25	13.80
25	15.44	May 9	13.53	Oct. 31	14.44

Mountrail County

90 (*845, p. 359; 886, p. 546; 908, p. 266; 938, p. 213; 946, p. 253; *988, p. 325). Emil Molter. NE¼NE¼ sec. 6, T. 152 N., R. 89 W. Water level, in feet below land-surface datum, 1944: July 10, 48.28.

Nelson County

47 (*886, p. 546; 908, p. 267; *938, p. 213; 946, p. 253; *988, p. 325). Tom Miller. NE¼NE¼ sec. 5, T. 152 N., R. 59 W. Water levels, in feet below land-surface datum, 1944: Apr. 10, 14.23; June 22, 12.48; Dec. 17, 10.53.

Oliver County

1 (*908, p. 267; 938, p. 213; 946, p. 253; *988, p. 326). Otis Tye. NE¼NW¼ sec. 10, T. 141 N., R. 82 W. Water level, in feet below land-surface datum, 1944: July 9, 17.67.

Pembina County

1 (*938, p. 213; 946, p. 253; *988, p. 326). E. J. Lander & Co. NW¼NW¼ sec. 22, T. 161 N., R. 56 W.

Water levels, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	8.50	Apr. 8	9.24	July 8	8.04	Oct. 7	7.08
8	8.61	15	8.89	15	8.05	14	7.12
15	8.64	22	8.67	22	8.12	21	7.18
22	8.70	29	8.50	29	8.13	28	7.21
29	8.74	May 6	8.37	Aug. 5	8.22	Nov. 4	7.22
Feb. 5	8.79	13	8.25	12	7.83	11	7.01
12	8.79	20	7.90	19	7.71	18	5.97
19	8.93	27	7.86	26	7.97	25	5.64
26	8.97	June 3	7.92	Sept. 2	7.54	Dec. 2	5.41
Mar. 4	9.03	10	7.97	9	6.75	9	5.50
11	9.13	17	8.00	16	6.71	16	5.54
18	9.17	24	7.89	23	6.94	23	5.67
25	9.20	July 1	7.88	30	7.08	30	5.99
Apr. 1	9.24						

5 (*938, p. 214; 946, p. 254; *988, p. 326). Garnett A. Snell. SW¼SW¼ sec. 31, T. 162 N., R. 53 W.

Water levels, in feet below land-surface datum, 1944

Jan. 1	10.86	Apr. 1	10.85	July 1	10.28	Oct. 7	9.16
8	10.77	8	10.86	8	10.05	14	9.46
15	10.80	15	10.76	15	10.59	21	9.11
22	10.71	22	10.79	29	10.70	28	9.15
29	10.76	29	10.75	Aug. 5	10.14	Nov. 4	9.14
Feb. 5	10.93	May 5	10.59	12	10.56	11	8.92
12	10.76	13	10.56	19	10.14	18	9.16
19	10.77	20	10.47	26	10.46	25	8.93
26	10.86	27	11.20	Sept. 2	9.91	Dec. 2	7.43
Mar. 4	10.83	June 3	11.04	9	10.14	9	8.55
11	10.76	10	10.64	16	9.01	16	8.43
18	10.85	17	10.19	23	9.20	23	8.45
25	10.81	24	10.32	30	9.13		

41 (*840, p. 324; 845, p. 360; 886, p. 547; 908, p. 267; 938, p. 214; 946, p. 254; *988, p. 326). George Harris. NW¼NW¼ sec. 27, T. 163 N., R. 51 W. Water level, in feet below land-surface datum, 1944: May 18, 9.05.

50 (938, p. 214; 946, p. 254; *988, p. 326). Albert C. McCurdy. SE¼SE¼ sec. 3, T. 162 N., R. 55 W.

Water levels, in feet below land-surface datum, 1944

Jan. 1	9.20	Jan. 29	9.82	Feb. 26	10.47	Mar. 25	10.96
8	9.37	Feb. 5	9.91	Mar. 4	10.66	Apr. 1	11.98
15	9.52	12	10.03	11	10.70	8	10.91
22	9.72	19	10.27	18	10.87	15	10.16

50--Continued.

Water levels, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 22	9.50	July 2	7.51	Sept. 2	8.18	Nov. 4	7.95
29	9.17	8	7.56	9	7.47	11	7.79
May 6	8.93	15	7.71	16	7.42	22	6.90
13	8.61	22	7.94	23	7.49	25	6.84
21	8.24	29	8.20	30	7.53	Dec. 3	6.90
29	8.11	Aug. 5	8.27	Oct. 7	7.63	10	6.76
June 3	8.10	13	8.13	14	7.80	16	6.79
10	7.92	20	8.16	21	7.80	23	7.01
17	7.81	26	8.37	28	7.88	30	7.38
24	7.01						

72 (*938, p. 215; 946, p. 254; *988, p. 327). Herman Tesmer. NE¼NE¼ sec. 9, T. 163 N., R. 56 W.

Water level, in feet below land-surface datum, 1944

Jan. 8	9.02	Feb. 26	9.85	Apr. 10	9.77	June 27	7.10
15	9.43	Mar. 4	9.89	29	9.35	July 21	7.93
22	9.52	11	9.85	May 6	8.92	Aug. 2	8.10
29	9.56	18	9.85	13	8.18	Sept. 9	7.02
Feb. 5	9.60	31	9.97	20	8.48	Oct. 21	7.43
12	9.68						

Pierce County

1 (*908, p. 267; 938, p. 215; 946, p. 255; *988, p. 327). Eric Harmmel. NE¼NW¼ sec. 10, T. 156 N., R. 72 W. Water levels, in feet below land-surface datum, 1944: May 28, 23.50; Oct. 10, 23.61.

Ramsey County

48 (*840, p. 324; 845, p. 360; 886, p. 547; 908, p. 267; 938, p. 215; 946, p. 255; *988, p. 327). Mrs. Bonnie Boland. SW¼NE¼ sec. 14, T. 153 N., R. 65 W. Water levels, in feet below land-surface datum, 1944: June 22, 59.28; Oct. 14, 59.32.

110 (*946, p. 255; *988, p. 327). Ray Young. NE¼NE¼ sec. 5, T. 153 N., R. 64 W. Water levels, in feet below land-surface datum, 1944: June 22, 32.21; Oct. 14, 25.84.

111 (*946, p. 255; *988, p. 327). W. H. Summers. SW¼SW¼ sec. 20, T. 153 N., R. 64 W. Water levels, in feet below land-surface datum, 1944: July 5, 50.96; Nov. 6, 50.94.

112 (*988, p. 327). Camp Grafton Military Reserve. NE¼SE¼ sec. 25, T. 153 N., R. 64 W. Water levels, in feet below land-surface datum, 1944: June 22, 52.41; Nov. 11, 54.17.

Ransom County

1 (*908, p. 268; 938, p. 215; 946, p. 255; *988, p. 327). Melfird Skramstad. NW¼NE¼ sec. 3, T. 136 N., R. 56 W. Water level, in feet below land-surface datum, 1944: Nov. 7, 9.81.

Renville County

26 (*840, p. 324; 845, p. 361; 886, p. 548; 908, p. 268; 938, p. 215; 946, p. 255; *988, p. 328). Minnesota Trust Co. NE¼NE¼ sec. 20, T. 161 N., R. 85 W.

26--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	82.99	Mar. 27	82.92	June 10	82.68	Sept.16	82.71
16	83.00	Apr. 1	82.90	24	82.44	30	82.73
22	82.99	8	82.90	July 1	82.40	Nov. 4	82.82
29	82.99	15	82.90	15	82.41	14	82.83
Feb. 12	82.98	May 13	82.83	Aug. 5	82.69	20	82.85
19	83.00	20	82.79	14	82.70	Dec. 2	82.84
26	83.01	27	82.82	19	82.75	9	82.85
Mar. 11	83.02	June 3	82.69	Sept. 2	82.75	30	82.88
18	82.94						

167 (*908, p. 268; 938, p. 216; 946, p. 255; *988, p. 328). Town of Mohall. SE¼SW¼ sec. 13, T. 161 N., R. 84 W. Measurements discontinued.

168 (*908, p. 268; 938, p. 216; 946, p. 255; *988, p. 328). J. Dighton Taylor. NW¼NE¼ sec. 24, T. 161 N., R. 84 W. Water levels, in feet below land-surface datum, 1944: July 11, 3.45; Oct. 10, 7.23.

169 (*908, p. 269; 938, p. 216; 946, p. 256; *988, p. 328). Fred Paris. SE¼SW¼ sec. 13, T. 161 N., R. 84 W. Water levels, in feet below land-surface datum, 1944: July 11, 2.64; Oct. 10, 5.39.

Richland County

2 (*845, p. 361; 886, p. 548; 908, p. 269; 938, p. 216; 946, p. 256; *988, p. 328). Ira Madden. NE¼SE¼ sec. 12, T. 132 N., R. 49 W. Water levels, in feet below land-surface datum, 1944: June 20, 1.04; Dec. 7, 0.42.

5 (*840, p. 325; 845, p. 362; 886, p. 543; 908, p. 269; *938, p. 216; 946, p. 256; *988, p. 328). U. S. No. 52. John Liljemark. SW¼SE¼ sec. 33, T. 133 N., R. 52 W.

Water level, in feet below land-surface datum, 1944

Jan. 1	6.35	Apr. 1	6.70	June 26	2.06	Oct. 1	3.31
8	6.62	8	6.23	July 2	3.68	7	2.63
16	6.88	15	5.48	9	1.35	14	3.28
22	6.82	24	4.67	15	1.10	21	3.54
30	6.48	29	3.02	22	1.16	30	3.51
Feb. 5	6.45	May 6	1.81	29	1.56	Nov. 5	3.52
12	6.73	13	1.43	Aug. 5	2.06	11	2.60
19	6.97	20	1.36	13	2.12	19	2.16
26	6.97	27	1.59	20	2.20	25	1.93
Mar. 4	6.91	June 3	1.43	26	1.64	Dec. 2	2.35
11	7.04	11	1.52	Sept. 9	2.08	9	2.64
20	7.14	18	1.61	17	2.25	16	3.16
25	6.93	20	1.78	24	2.89		

Rolette County

165 (*908, p. 269; *938, p. 217; 946, p. 256; *988, p. 329). Town of Rolla well 4. NE¼ sec. 17, T. 162 N., R. 69 W. Water level, in feet below land-surface datum, 1944: July 14, 19.02; measurement made after well was pumped 3 hours.

Sargent County

116 (*908, p. 270; *938, p. 217; 946, p. 256; *988, p. 329). Reko Realty. NE¼NW¼ sec. 19, T. 130 N., R. 58 W. No measurements made in 1944.

Sheridan County

95 (*845, p. 362; 886, p. 549; 908, p. 270; 938, p. 217; 946, p. 256; *988, p. 329). Bank of North Dakota. NW¼NW¼ sec. 28, T. 145 N., R. 75 W.

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Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	54.96	Apr. 8	54.94	July 8	53.99	Oct. 7	53.97
8	54.97	15	54.93	15	53.99	14	53.97
15	54.95	22	54.93	22	53.99	21	53.96
22	54.96	29	54.93	29	53.97	28	53.96
29	54.95	May 6	54.94	Aug. 5	53.97	Nov. 4	53.96
Feb. 5	54.96	13	54.93	12	53.98	11	53.96
12	54.95	20	54.94	19	53.97	18	53.97
19	54.96	27	54.94	26	53.96	29	53.97
26	54.95	June 3	54.94	Sept. 2	53.97	Dec. 2	53.97
Mar. 1	54.96	10	53.99	12	53.98	9	53.96
11	54.95	17	53.99	16	53.96	16	53.96
18	54.95	24	53.99	23	53.97	23	53.97
25	54.94	July 1	54.00	30	53.96	30	53.97
Apr. 1	54.94						

Sioux County

1 (*908, p. 270; 938, p. 217; 946, p. 257; *988, p. 329). Mrs. Lookingout. SW¼ sec. 7, T. 130 N., R. 79 W. Water levels, in feet below land-surface datum, 1944: July 8, 9.22; Sept. 1, 10.20.

2 (*938, p. 217; 946, p. 257; *988, p. 329). Mrs. Mulache. NE¼SE¼ sec. 23, T. 130 N., R. 80 W. Water levels, in feet below land-surface datum, 1944: July 8, 22.76; Sept. 1, 22.86.

Slope County

1 (*908, p. 270; 938, p. 218; 946, p. 257; *988, p. 329). Arthur Nesseth. SE¼NE¼ sec. 14, T. 134 N., R. 100 W. Water levels, in feet below land-surface datum, 1944: July 10, 14.69; Sept. 2, 14.40.

Stark County

120 (*908, p. 270; 938, p. 218; 946, p. 257; *988, p. 329). Roland and George Funk. NE¼NW¼ sec. 2, T. 139 N., R. 91 W. Water levels, in feet below land-surface datum, 1944: July 9, 2.33; Sept. 3, 3.92.

Steele County

1 (*908, p. 270; 938, p. 218; 946, p. 257; *988, p. 330). Mrs. Snortland. NE¼NE¼ sec. 15, T. 148 N., R. 57 W. Water levels, in feet below land-surface datum, 1944: June 19, 14.50; Nov. 6, 13.10.

126 (*988, p. 330). Federal Land Bank. NE¼NE¼ sec. 30, T. 146 N., R. 57 W. Measurements discontinued.

Stutsman County

124 (*908, p. 270; 938, p. 218; 946, p. 257; *988, p. 330). Union Central Life Insurance Co. SW¼SW¼ sec. 33, T. 137 N., R. 64 W. Water levels, in feet below land-surface datum, 1944: June 21, 46.72; Nov. 8, 46.07.

Towner County

59 (*840, p. 325; 845, p. 363; 886, p. 549; 908, p. 271; 938, p. 218; 946, p. 257; *988, p. 330). Bank of North Dakota. NE¼NW¼ sec. 28, T. 160 N. R. 66 W.

Water level, in feet below land-surface datum, 1944

Jan. 1	17.11	Jan. 22	16.51	Feb. 12	16.48	Mar. 4	16.44
8	16.56	29	16.50	19	16.47	11	16.43
15	16.53	Feb. 5	16.49	26	16.47	18	16.42

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Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 25	16.42	June 10	16.17	Aug. 19	15.87	Oct. 28	15.83
Apr. 1	16.40	17	16.13	26	15.97	Nov. 4	15.80
8	16.39	24	16.09	Sept. 2	15.95	11	15.76
15	16.38	July 1	16.05	9	15.93	18	15.75
22	16.37	8	16.04	16	15.92	25	15.72
29	16.35	15	16.05	23	15.92	Dec. 2	15.69
May 6	16.34	22	16.05	30	15.91	9	15.67
13	16.32	29	16.06	Oct. 7	15.89	16	15.63
20	16.30	Aug. 5	16.01	14	15.86	23	15.59
27	16.26	12	15.99	21	15.84	30	15.56
June 3	16.22						

170 (*946, p. 258; *988, p. 330). S. L. Isaacson. Town of Cando in lot 12, block 16. Water levels, in feet below land-surface datum, 1944: July 14, 21.69; Sept. 22, 22.15.

Traill County

15 (*840, p. 326; 845, p. 363; 886, p. 549; 908, p. 271; 938, p. 218; 946, p. 258; *988, p. 330). A. C. Skyberg. SE¼SW¼ sec. 24, T. 146 N., R. 51 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	19.28	Apr. 1	19.38	July 1	19.40	Sept. 30	18.99
8	19.28	8	19.48	8	19.38	Oct. 7	18.94
15	19.30	15	19.50	15	19.36	14	18.90
22	19.30	22	19.53	22	19.36	21	18.86
29	19.29	29	19.55	29	19.34	28	18.82
Feb. 5	19.30	May 6	19.53	Aug. 5	19.32	Nov. 4	18.78
12	19.32	13	19.50	12	19.28	11	18.73
19	19.34	20	19.48	19	19.25	18	18.69
26	19.36	27	19.48	26	19.23	25	18.65
Mar. 4	19.38	June 3	19.48	Sept. 2	19.21	Dec. 2	18.61
11	19.40	10	19.48	9	19.17	9	18.59
18	19.42	17	19.46	16	19.11	16	18.57
25	19.44	24	19.44	23	19.03	23	18.55

31 (*845, p. 364; 886, p. 550; 908, p. 271; 938, p. 219; 946, p. 258; *988, p. 331). City of Hatton. SW¼NE¼ sec. 18, T. 148 N., R. 53 W. Measurements discontinued.

32 (*845, p. 364; 886, p. 550; 908, p. 271; 938, p. 219; 946, p. 258; *988, p. 331). City of Hatton. SE¼NE¼ sec. 18, T. 148 N., R. 53 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 20	11.67	July 1	13.49	Aug. 19	14.39	Oct. 9	12.98
27	13.98	8	13.47	Sept. 9	13.00	15	12.72
June 4	14.23	15	13.81	16	13.41	22	12.58
10	14.14	22	14.54	23	13.52	Nov. 5	12.49
18	13.60	30	14.29	30	13.24	12	12.26
24	13.46	Aug. 12	15.07				

33 (*840, p. 326; 845, p. 366; 908, p. 272; 938, p. 219; 946, p. 258; *988, p. 331). City of Hatton. NE¼NE¼ sec. 18, T. 148 N., R. 53 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 20	10.93	July 1	10.66	Aug. 19	12.60	Oct. 9	11.01
27	11.25	8	10.93	Sept. 9	11.29	15	11.01
June 4	11.13	15	11.23	16	11.00	22	10.79
10	11.12	24	11.73	23	11.23	Nov. 5	10.60
18	11.00	30	12.65	30	11.23	12	10.37
24	10.49	Aug. 12	12.42				

34 (*845, p. 365; 886, p. 550; 908, p. 272; 938, p. 219; 946, p. 259; *988, p. 331). City of Hatton. NW¼NE¼ sec. 18, T. 148 N., R. 53 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 20	10.58	July 1	10.58	Aug. 19	12.30	Oct. 9	11.05
27	10.71	8	10.64	Sept. 9	11.66	15	11.05
June 4	10.85	15	10.86	16	11.30	22	10.97
10	10.84	22	11.29	23	11.33	Nov. 5	10.78
18	10.74	30	12.04	30	11.33	12	10.58
24	9.53	Aug. 12	12.31				

Walsh County

38 (*840, p. 326; 845, p. 366; 886, p. 551; 908, p. 272; 938, p. 219; 946, p. 259; *988, p. 331). Henry Dipple. SW¼SE¼ sec. 16, T. 157 N., R. 51 W.

Water level, in feet above land-surface datum, 1944

Jan. 7	10.25	Mar. 18	0.32	Aug. 19	8.41	Oct. 28	9.28
15	10.28	June 23	9.01	26	8.91	Nov. 4	8.03
22	10.91	24	9.51	Sept. 2	11.22	11	9.05
29	10.68	July 1	9.07	9	8.88	18	10.07
Feb. 5	10.75	8	8.18	16	8.89	27	10.02
14	10.59	15	8.97	23	9.05	Dec. 2	9.02
19	5.82	22	8.94	30	8.92	9	9.04
26	5.54	29	8.51	Oct. 7	8.33	16	8.50
Mar. 4	1.13	Aug. 5	4.49	14	7.74	23	8.51
11	0.53	12	9.58	21	8.94	30	8.52

39 (*840, p. 327; 845, p. 366; 886, p. 551; 908, p. 272; 938, p. 220; 946, p. 259; *988, p. 332). U. S. No. 48. Henry Dipple. SW¼SE¼ sec. 16, T. 157 N., R. 51 W.

Water level, in feet below land-surface datum, 1944

Jan. 7	7.42	Apr. 15	5.99	July 15	6.06	Oct. 14	1.08
15	7.34	22	7.26	22	6.29	21	2.95
29	6.87	29	5.98	29	6.64	28	2.69
Feb. 5	7.05	May 6	8.38	Aug. 5	.79	Nov. 4	3.37
14	6.74	13	8.37	12	5.69	11	2.86
19	7.69	20	7.69	19	5.69	18	1.29
26	7.44	27	7.80	26	6.02	27	1.27
Mar. 4	8.39	June 3	8.20	Sept. 2	1.27	Dec. 2	1.69
11	8.60	10	4.05	9	1.55	9	1.91
18	8.19	17	3.94	16	4.47	16	3.08
27	9.69	24	3.93	23	4.53	23	3.09
Apr. 1	8.99	July 1	4.50	30	3.09	30	3.07
8	3.38	8	4.29	Oct. 7	4.17		

40 (*840, p. 327; 845, p. 366; 886, p. 551; 908, p. 273; 938, p. 220; 946, p. 259; *988, p. 332). Henry Dipple. SW¼SE¼ sec. 16, T. 157 N., R. 51 W. Measurements discontinued.

96 (*886, p. 551; 908, p. 273; 938, p. 220; 946, p. 260; *988, p. 332). C. D. Lewis. SW¼SW¼ sec. 17, T. 157 N., R. 55 W.

Water level, in feet below land-surface datum, 1944

Jan. 1	6.43	Apr. 8	6.77	July 8	5.27	Oct. 7	5.90
8	6.46	15	6.56	15	5.46	14	5.92
15	6.50	22	6.36	22	5.67	21	5.93
22	6.54	30	6.21	29	5.75	28	5.94
29	6.56	May 7	6.04	Aug. 5	6.12	Nov. 4	5.92
Feb. 5	6.58	14	5.80	12	6.08	11	5.88
13	6.65	20	5.66	19	6.06	18	5.65
19	6.68	27	5.58	26	6.21	25	4.77
26	6.73	June 3	5.53	Sept. 2	6.15	Dec. 2	4.35
Mar. 4	6.77	10	5.50	9	6.02	9	4.29
11	6.82	17	5.40	16	5.79	16	4.25
18	6.84	24	5.08	23	5.82	23	4.38
25	6.88	July 1	5.09	30	5.91	30	4.57
Apr. 1	6.86						

Ward County

25 (*886, p. 552; 908, p. 273; 938, p. 221; 946, p. 260; *988, p. 333). Rural Rehabilitation Corporation. NE¼NE¼ sec. 2, T. 155 N., R. 84 W. Measurements discontinued.

50 (*946, p. 261; *988, p. 333). Fish and Wildlife Service, U. S. Dept. of Interior. NW¼NE¼ sec. 31, T. 160 N., R. 89 W. Water level, in feet below land-surface datum, 1944: July 12, 7.45.

53 (*886, p. 552; 908, p. 273; 938, p. 221; 946, p. 261; *988, p. 333). Chas. O'Neill. SW¼SE¼ sec. 30, T. 160 N., R. 88 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Jan. 1	7.09	Jan. 29	6.84	July 12	3.97
15	6.84	Feb. 12	6.80		

71 (*840, p. 327; 845, p. 367; 886, p. 553; 908, p. 274; 938, p. 221; 946, p. 261; *988, p. 333). U. S. No. 51. Fish and Wildlife Service, U. S. Dept. of Interior. SE¼SW¼ sec. 5, T. 157 N., R. 84 W.

Water level, in feet below land-surface datum, 1944

Apr. 29	5.70	Aug. 29	5.80	Oct. 31	5.48
May 30	5.80	Sept.30	4.40	Nov. 29	4.92

73 (*840, p. 327; 845, p. 367; 886, p. 553; 908, p. 274; 938, p. 221; 946, p. 261; *988, p. 333). Fish and Wildlife Service, U. S. Dept. of Interior. SE¼SE¼ sec. 21, T. 157 N., R. 84 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 29	8.40	July 12	6.48	Sept.30	5.20	Nov. 29	5.54
May 29	7.70	Aug. 29	8.40	Oct. 31	5.57		

74 (*840, p. 328; 845, p. 367; 886, p. 553; 908, p. 274; 938, p. 222; 946, p. 261; *988, p. 334). Fish and Wildlife Service, U. S. Dept. of Interior. NE¼SW¼ sec. 21, T. 157 N., R. 84 W.

Water level, in feet below land-surface datum, 1944

Apr. 29	8.69	July 12	7.29	Sept.30	8.59	Nov. 29	8.07
May 29	8.49	Aug. 29	8.49	Oct. 31	8.14		

Wells County

23 (*817, p. 225; *840, p. 328; 845, p. 368; 886, p. 554; 908, p. 274; 938, p. 222; 946, p. 261; *988, p. 334). City of Harvey. SE¼SW¼ sec. 20; T. 150 N., R. 72 W. Water levels, in feet below land-surface datum, 1944: July 6, 0.06, well 24 pumping; Aug. 31, 1.58. well 24 shut down 2-3/4 hours prior to measurement.

24 (*840, p. 328; 845, p. 368; 886, p. 554; 908, p. 274; 938, p. 222; 946, p. 262; *988, p. 334). City of Harvey. NE¼NW¼ sec. 28, T. 150 N., R. 72 W. Water levels, in feet below land-surface datum, 1944: July 6, 7.05. well pumping; Aug. 31, 20.17, pump off 2-3/4 hours prior to measurement.

153 (*908, p. 275; 938, p. 222; 946, p. 262; *988, p. 334). Hayden Jones. NE¼NE¼ sec. 23, T. 147 N., R. 70 W. Measurements resumed in 1944. Water level, in feet below land-surface datum, 1944: July 5, 5.43.

Williams County

77 (*886, p. 554; 908, p. 275; 938, p. 223; 946, p. 262; *988, p. 334). Hans O. Lottestad. NE¼SE¼ sec. 24, T. 159 N., R. 103 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	24.82	Mar. 27	27.07	July 8	28.09	Oct. 9	28.81
9	25.19	Apr. 2	27.19	23	28.18	16	28.86
16	25.40	9	27.26	30	28.17	22	28.93
22	25.61	16	27.33	Aug. 6	28.28	31	28.99
30	25.84	23	27.51	13	28.32	Nov. 7	29.02
Feb. 5	25.88	30	27.58	21	28.41	12	28.92
12	26.03	May 6	27.67	28	28.48	19	29.02
20	26.24	15	27.73	Sept. 4	28.54	26	29.07
27	26.35	21	27.72	10	28.57	Dec. 3	29.08
Mar. 5	26.55	28	27.86	17	28.56	11	29.10
12	26.73	June 4	27.81	24	28.72	17	29.16
18	26.86	11	27.80	Oct. 1	28.74	26	29.22

78 (*845, p. 368; 886, p. 555; 908, p. 275; 938, p. 223; 946, p. 262; *988, p. 334). Hans O. Lottestad. NE¼SE¼ sec. 24, T. 159 N., R. 103 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	17.62	Mar. 26	20.06	July 8	20.41	Oct. 9	22.29
9	17.98	Apr. 2	20.12	23	20.73	16	22.36
16	18.22	9	20.27	30	20.89	22	22.41
22	18.47	16	20.37	Aug. 6	21.11	31	22.45
30	18.64	23	20.56	13	21.25	Nov. 7	22.47
Feb. 5	18.70	30	20.60	21	21.64	12	22.56
12	18.83	May 6	20.74	28	21.61	19	22.67
20	19.15	15	20.89	Sept. 4	21.71	26	22.70
27	19.35	21	20.88	10	21.85	Dec. 3	22.46
Mar. 5	19.53	28	21.00	17	21.84	11	22.56
12	18.70	June 4	21.02	24	22.04	17	22.71
18	19.86	11	21.06	Oct. 1	22.18	26	23.09

79 (*845, p. 369; 886, p. 555; 908, p. 276; 938, p. 223; 946, p. 262; *988, p. 335). Mrs. Gus B. Swanson Estate. SW¼SW¼ sec. 29, T. 157 N., R. 96 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	18.04	Apr. 9	18.71	July 9	6.48	Oct. 7	15.54
8	18.19	15	18.79	15	14.06	14	23.81
16	17.81	23	18.81	22	14.33	21	17.04
23	17.58	30	18.79	29	15.00	28	17.79
29	17.67	May 7	18.77	Aug. 6	14.38	Nov. 4	18.04
Feb. 6	17.73	14	18.75	13	14.50	11	16.96
13	17.72	21	24.31	19	14.54	18	16.85
20	17.75	28	36.37	26	14.56	25	16.87
27	17.81	June 4	36.23	Sept. 2	14.58	Dec. 2	17.44
Mar. 6	17.81	10	33.73	9	13.29	9	17.04
12	17.81	17	33.75	16	13.35	16	17.04
19	17.81	25	18.58	23	15.23	23	17.12
26	17.83	July 2	a 5.39	30	15.29	30	19.04
Apr. 2	18.33						

a Heavy rains.

SOUTH DAKOTA

By E. G. Otton and P. D. Akin

PROGRAM OF WORK

The program of inventorying ground-water levels in observation wells in South Dakota, begun in 1939, was continued during 1944 in cooperation with the South Dakota Geological Survey. In addition, a detailed study of the ground-water resources of the Big Sioux and Skunk Creek Valleys in the vicinity of Sioux Falls was completed in cooperation with the city of Sioux Falls and in joint authorship with E. P. Rothrock, State Geologist.

Water-level measurements in 59 wells are given in this report. Weekly or monthly measurements were made in 49 wells and in 10 wells readings were taken once or twice during the year. Two wells in the northern part of the State have been added to the observation-well program, having been established as a part of the Nation-wide program. Measurements were discontinued in one well during the period and no measurements were made during 1944 in 10 other wells included in previous reports. Data from 20 selected wells in which water levels were measured in connection with the Sioux Falls investigation have been added. One automatic water-stage recorder was maintained in the Sioux Falls area.

In all, 763 individual water-level measurements are included in this report.

FLUCTUATIONS OF WATER LEVEL

Records compiled by the U. S. Weather Bureau show that the average precipitation for the State for 1944 was 24.37 inches, an average that has been exceeded only 3 times during the period of record beginning in 1890. The 1944 departure from the average annual precipitation for the State was +5.34 inches. The monthly precipitation was above average in all months except March, April, and December.

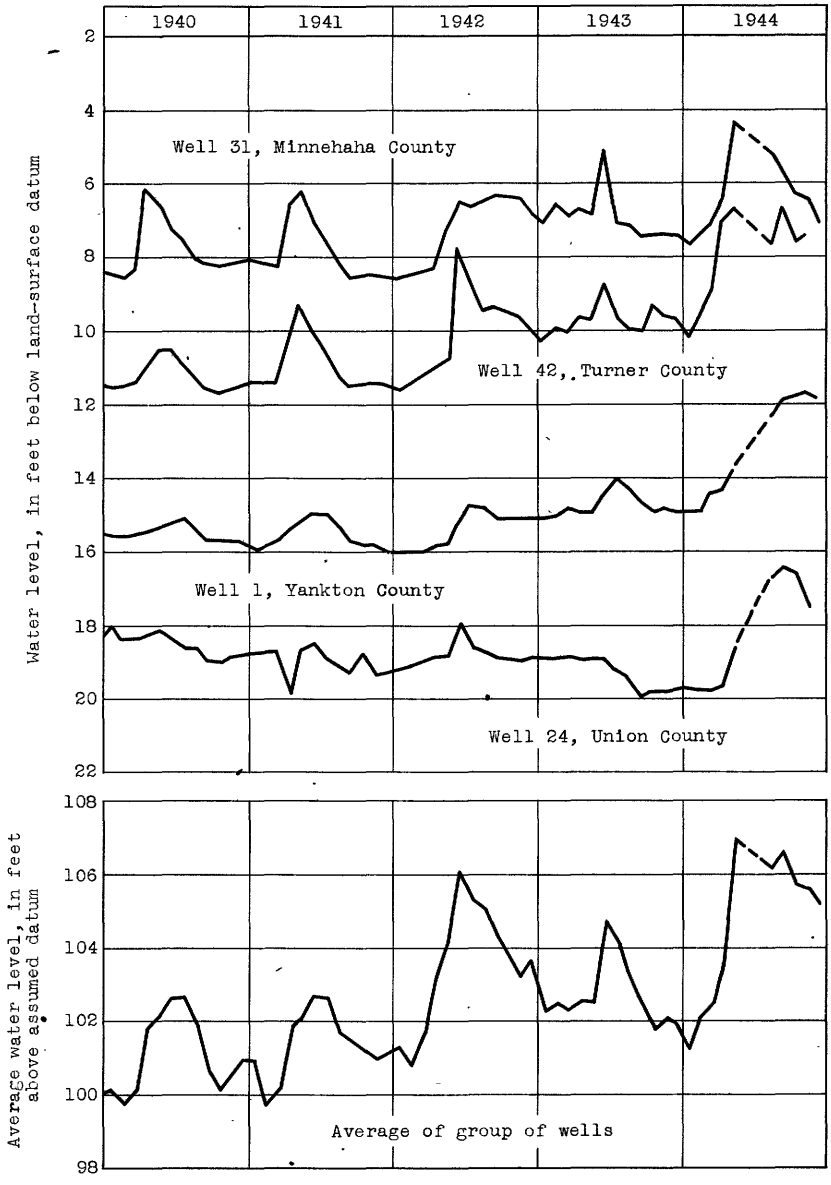

Figure 9.---Graphs showing fluctuations of water level in wells in South Dakota since January 1940.

The following table shows the average monthly water levels since December 1939 in 11 to 23 wells located in the southeastern part of the State. Fifteen wells (1, 4, 7. 21, 24, 29, 30, 31, 33, 34, 35, 37, 38, 41, 42) were used in computing the monthly averages in 1944.

Average water level, in feet above assumed datum planes, in 11 to 23 shallow wells, 1939-44

Year	Jan.	Feb.	Mar.	Apr.	May	June
1939	.....	.....	.....	.....	.....	.....
1940	100.10	99.74	100.11	101.89	102.08	102.70
1941	100.97	100.87	102.92	104.44	103.81	103.52
1942	101.29	100.73	101.50	103.09	104.09	106.01
1943	102.24	102.49	102.38	102.53	102.51	104.70
1944	101.17	102.10	102.41	103.65	107.04	.....

Year	July	Aug.	Sept.	Oct.	Nov.	Dec.
1939	.....	.....	.....	.....	.....	100.00
1940	102.76	102.00	100.63	100.02	.....	100.98
1941	102.72	101.79	101.49	101.24	101.00	101.09
1942	105.31	105.08	104.33	103.74	103.26	103.68
1943	104.17	103.27	102.46	101.75	102.03	101.90
1944	.....	106.12	106.67	105.96	105.69	105.18

Figure 9 shows graphically the fluctuation of the average water level since measurements were begun in December 1939. The water level rose slightly in February and March and considerably in April and May when it reached the highest stage of record. No record is available for June and July but August measurements show that a characteristic seasonal decline was in progress. End of year levels were about 3.6 feet above those at the end of 1943 and 5.7 feet above the lowest stage in 1941.

The fluctuation of the water level in four representative shallow wells is also shown in figure 9.

Information on the pumpage during 1944 from the three municipal wells at Brookings was made available through the courtesy of Tom Newell, superintendent of the Brookings Water Works. A complete description and history of this supply can be found in Water-Supply Papers 946 and 988.

Monthly pumpage, in millions of gallons, from the municipal wells at Brookings, S. Dak., 1944

Month	Pumpage	Month	Pumpage	Month	Pumpage	Month	Pumpage
Jan.	13.8	Apr.	10.6	July	15.2	Oct.	13.5
Feb.	12.2	May	13.1	Aug.	15.1	Nov.	12.3
Mar.	11.6	June	14.9	Sept.	12.1	Dec.	12.0

The city of Sioux Falls obtains its water supply from wells located in the valley of the Big Sioux River. The following table gives the total pumpage by months for the year. The increase over previously reported pumpage is, in part, explained by the demands of the Army Air Base.

Pumpage, by months, in millions of gallons, 1944

Month	Pumpage	Month	Pumpage	Month	Pumpage
Jan.	212.9	May	232.1	Sept.	197.6
Feb.	209.2	June	242.7	Oct.	187.9
Mar.	220.3	July	246.9	Nov.	181.4
Apr.	219.2	Aug.	238.0	Dec.	195.7

WELL-NUMBERING SYSTEM

Previously, two methods of numbering wells have been used in the South Dakota annual water-level report. One method has been used in numbering the various city wells. It is based upon the common land subdivisions and serves to designate the well and to give its location to the nearest 40-acre tract within the section. The other method of numbering the wells was to assign numbers to the wells in normal sequence within the various counties as the wells were added to the water-level program.

The second method has been abandoned in this report and all wells are now assigned numbers according to the first method. The system is as follows: The well number is divided into three segments separated by hyphens. The first segment indicates the township. The second segment indicates the range. The third segment is composed of a number, a letter and another number. The number preceding the letter is the number of the section in which the well is located. The letter indicates the 40-acre tract within the section according to the diagram given below. The number succeeding the letter indicates the number of the well in sequence within the 40-acre tract. For instance, if water levels are being measured in only one well within the 40-acre tract the number succeeding the letter will be 1. If water levels are being measured in three wells located

NW¼NW¼ D	NE¼NW¼ C	NW¼NE¼ B	NE¼NE¼ A
SW¼NE¼ E	SE¼NW¼ F	SW¼NE¼ G	SE¼NE¼ H
NW¼SW¼ M	NE¼SW¼ L	NW¼SE¼ K	NE¼SE¼ J
SW¼SW¼ N	SE¼SW¼ P	SW¼SE¼ Q	SE¼SE¼ R

within the same 40-acre tract, the number succeeding the letter will be 1 for the well first established for observation, 2 for the second well established and 3 for the third.

Three coordinate systems are used in land subdivision in South Dakota. That part of the State lying east of the Missouri River and Huges, Lyman, Tripp and Gregory Counties west of the Missouri River is referred to the fifth principal meridian and a base line crossing central Arkansas. That part of the State west of the above counties and south of the White River and all of Washington County is referred to the sixth principal meridian and a base line running along the Kansas-Nebraska State line. The rest of the State is referred to the Black Hills meridian with base line in central South Dakota.

All of the wells listed in this report are referred to the fifth principal meridian and the Arkansas base line, except the well in Harding County which is referred to the Black Hills meridian. Consequently all the wells, except the one in Harding County, will be north and west of the coordinate axis and no symbols are used to indicate the quadrant. The letter N is added to the first segment of the number of the well in Harding County and the letter E is added to the second segment to indicate that this well lies in the NE. quadrant of the coordinate system.

Wells reported here which were used in the report on the Sioux Falls investigation have the well number assigned in the Sioux Falls report shown in parentheses with the suffix S.F.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Beadle County

109-62-3R1 (*886, p. 642; 908, p. 278; 938, p. 226; 946, p. 269; *988, p. 341). SE¼SE¼ sec. 3, T. 109 N., R. 62 W. Water level, in feet below land-surface datum, 1944: May 10, 27.37.

109-62-7A1 (*886, p. 642; 908, p. 279; 938, p. 226; 946, p. 269; *988, p. 341). Mrs. Ella Johnson. NE¼NE¼ sec. 7, T. 109 N., R. 62 W. New measuring point, top of oil drum casing in top of well, 1.00 foot above old measuring point and land-surface datum. Water level, in feet below land-surface datum, 1944: May 10, 27.09.

109-62-9H1 (*886, p. 642; 908, p. 278; 938, p. 226; 946, p. 269; *988, p. 341). Mrs. Hildur Erickson. SE¼NE¼ sec. 9, T. 109 N., R. 62 W. Water level, in feet below land-surface datum, 1944: May 10, 18.26.

109-63-1B1 (*886, p. 642; 908, p. 279; 938, p. 226; 946, p. 269; *988, p. 341). Nels Christensen. NW¼NE¼ sec. 1, T. 109 N., R. 63 W. Water levels, in feet below land-surface datum, 1944: May 10, 18.43.

110-62-9E1 (*817, p. 314; 840, p. 373; 945, p. 436; 886, p. 640; 908, p. 277; 938, p. 231; 946, p. 267; *988, p. 341). City of Huron. Owner's gage hole 1. In Huron, in SW¼NW¼ sec. 9, T. 110 N., R. 62 W. No measurements made in 1944.

110-62-36P1 (*886, p. 642; 908, p. 278; 938, p. 226; 946, p. 269; *988, p. 341). SE¼SW¼ sec. 36, T. 110 N., R. 62 W. No measurements made in 1944.

111-59-31R1 (*938, p. 226; 946, p. 269; *988, p. 341). P. J. Murphy. SE¼SE¼ sec. 31, T. 111 N., R. 59 W. No measurements made in 1944.

Bon Homme County

94-58-14P1 (*886, p. 642; *908, p. 279; 938, p. 226; *946, p. 269; *988, p. 341). T. V. Dugovic. SE¼SW¼ sec. 14, T. 94 N., R. 58 W. Measuring point after August 1944, top of pump platform, 0.17 foot above land-surface datum.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	19.46	Apr. 27	18.32	Aug. 22	9.81	Nov. 24	11.32
Feb. 29	19.10	May 25	5.86	Oct. 25	11.49	Dec. 29	11.94
Mar. 31	18.51						

94-59-6B1 (*886, p. 643; 908, p. 279; 938, p. 227; 946, p. 270; *988, p. 341). Joseph Krejci. NW¼NE¼ sec. 6, T. 94 N., R. 59 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	13.36	Apr. 27	8.81	Sept.27	7.91	Nov. 24	8.59
Feb. 29	12.61	May 25	4.35	Oct. 25	8.91	Dec. 29	8.41
Mar. 31	11.21	Aug. 22	6.15				

95-60-8E1 (*886, p. 643; 908, p. 279; 938, p. 226; 946, p. 270; *988, p. 342). Jake Berndt. SW¼NW¼ sec. 8, T. 95 N., R. 60 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	10.17	Apr. 27	7.04	Sept.27	4.42	Nov. 24	5.28
Feb. 29	8.48	May 25	4.20	Oct. 25	4.90	Dec. 29	5.36
Mar. 31	9.18	Aug. 22	3.86				

96-60-32M1 (*946, p. 270; *988, p. 342). NW¼SW¼ sec. 32, T. 96 N., R. 60 W. No measurements made in 1944.

Brookings County

110-50-13M1 (*946, p. 267; *988, p. 342). City of Brookings well 1. NW¼SW¼ sec. 13, T. 110 N., R. 50 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	7.6	Feb. 19	8.6	Mar. 25	8.5	May 13	8.0
21	8.6	25	9.0	Apr. 1	7.5	June 2	6.0
29	8.6	Mar. 4	8.8	15	7.3	16	6.0
Feb. 5	8.6	11	8.6	28	7.0	Nov. 30	8.1
12	8.3	18	8.6				

Clay County

92-52-00 (*908, p. 280; 938, p. 227; 946, p. 271; *988, p. 342). Geological Survey, U. S. Dept. of Interior. At Vermillion, 1.3 miles south of Chicago, Milwaukee, St. Paul & Pacific R. R. depot, in T. 92 N., R. 52 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	15.90	Apr. 27	15.41	Sept.27	13.25	Nov. 24	14.40
Feb. 29	15.84	May 25	14.33	Oct. 25	13.75	Dec. 29	14.73
Mar. 31	15.43						

92-52-13J1 (*908, p. 280; 938, p. 227; *946, p. 270; *988, p. 342). University of South Dakota. NE¼SE¼ sec. 13, T. 92 N., R. 52 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Feb. 29	6.12	Apr. 27	10.09	Sept.27	7.16
Mar. 31	10.01	May 25	7.54	Nov. 24	8.49

94-52-35F1 (*886, p. 643; *908, p. 279; *938, p. 227; 946, p. 270; *988, p. 342). Ed Yusten. SE¼NW¼ sec. 35, T. 94 N., R. 52 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	7.03	Apr. 27	3.02	Sept.25	1.61	Nov. 24	2.73
Feb. 29	5.71	May 25	1.62	Oct. 25	3.02	Dec. 29	4.02
Mar. 31	6.46	Aug. 22	2.56				

95-52-23M1 (*908, p. 280; 938, p. 227; 946, p. 271; *988, p. 343). Geological Survey, U. S. Dept. of Interior. NW¼SW¼ sec. 23, T. 95 N., R. 52 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	7.41	Apr. 27	5.07	Sept.25	2.33	Nov. 24	4.12
Feb. 29	6.66	May 25 a	.98	Oct. 25	3.55	Dec. 29	4.91
Mar. 31	5.50						

a Valley flood subsiding.

Harding County

19N-5E-30H1 (U. S. 131). George Hall. SE¼NE¼ T. 19 N., R. 5 E., at power plant in Buffalo. Dug well, depth 39 feet, finished with 8-inch tile casing. Chief aquifer, blue sand from 25 feet to 39 feet. Measuring point, top of tile casing in pit, 8.00 feet below land-surface datum.

Water level, in feet below land-surface datum, 1943-44

Date	Water level	Date	Water level	Date	Water level
May 25, 1943	26.59	Dec. 29, 1943	27.06	June 6, 1944	25.26
June 3	26.56	Jan. 4, 1944	27.19	13	24.57
7	26.38	11	27.31	20	23.88
14	26.44	18	27.28	27	23.47
21	26.30	25	27.22	July 4	23.35
29	26.17	Feb. 2	27.22	11	22.75
July 12	26.46	8	27.25	26	23.65
19	26.48	15	27.24	Aug. 1	23.84
26	26.78	22	27.24	8	24.15
Aug. 2	26.90	29	27.24	15	24.34
11	26.84	Mar. 7	27.33	22	24.47
18	26.76	15	27.21	29	24.54
23	26.70	21	27.22	Sept.12	24.75
30	26.62	28	27.12	19	24.86
Sept. 9	26.58	Apr. 4	26.80	26	25.00
Nov. 2	27.01	11	24.92	Oct. 3	24.97
9	27.19	18	23.86	10	25.02
16	27.11	25	24.33	17	25.10
23	27.14	May 9	24.80	24	25.16
Dec. 7	27.12	16	24.90	31	25.19
14	27.12	23	25.05	Nov. 28	25.10
21	27.16	30	25.20		

Hutchinson County

97-56-11C1 (*908, p. 280; 938, p. 228; 946, p. 271; *988, p. 343). Christ Harnisch. NE¼NW¼ sec. 11, T. 97 N., R. 56 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	10.38	Apr. 27	9.64	Sept.27	6.44	Nov. 24	7.21
Feb. 29	10.59	May 25	7.46	Oct. 25	6.95	Dec. 29	7.59
Mar. 31	10.50	Aug. 22	8.18				

97-57-10D1 (*886, p. 643; 908, p. 280; 938, p. 228; 946, p. 271; *988, p. 343). Ed C. Mettler. NW¼NW¼ sec. 10, T. 97 N., R. 57 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	9.76	Apr. 27	5.59	Sept.27	3.62	Nov. 24	5.26
Feb. 29	9.44	May 25	1.65	Oct. 25	4.70	Dec. 29	5.78
Mar. 31	7.76	Aug. 22	2.77				

97-58-10B1 (*988, p. 343). NW¼NE¼ sec. 10, T. 97 N., R. 58 W. No measurements made in 1944.

97-60-8L1 (*886, p. 643; 908, p. 280; 938, p. 227; 946, p. 271; *988, p. 344). Herman Krause. NE¼NW¼ sec. 8, T. 97 N., R. 60 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	11.70	Apr. 27	4.06	Sept.27	5.37	Nov. 24	6.34
Feb. 29	5.18	May 25	2.75	Oct. 25	5.97	Dec. 29	6.62
Mar. 31	6.83	Aug. 22	4.73				

Kingsbury County

109-53-12A1 (*886, p. 643; 908, p. 279; 938, p. 227; 946, p. 272; *988, p. 344). NE¼NE¼ sec. 12, T. 109 N., R. 53 W. No measurements made in 1944.

Lincoln County

96-50-20J1 (*908, p. 281; *938, p. 228; 946, p. 272; *988, p. 344). Geological Survey, U. S. Dept. of Interior. NE¼SE¼ sec. 20, T. 96 N., R. 50 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	6.06	Apr. 1	4.88	May 24	1.46	Sept.25	2.86
Mar. 1	(a)	28	2.85	Aug. 22	4.22	Oct. 23	3.77

a Well under water.

97-50-5B1 (*886, p. 644; 908, p. 281; 938, p. 228; 946, p. 272; *988, p. 344). Andrew Lenna. NW¼NE¼ sec. 5, T. 97 N., R. 50 W. Curbing settled after September. Measuring point after September, top of well curb, 0.20 foot above land-surface datum.

Water level, in feet below land-surface datum, 1944

Jan. 26	17.59	Apr. 28	17.35	Aug. 22	3.89	Oct. 23	7.66
Mar. 1	9.34	May 24	8.01	Sept.25	2.31	Novl 29	4.54
Apr. 1	14.18						

98-50-15P1 (*886, p. 644; 908, p. 281; 938, p. 228; 946, p. 272; *988, p. 344). H. J. Rolfe. SE¼SW¼ sec. 15, T. 98 N., R. 50 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	18.01	Apr. 28	18.21	Aug. 22	13.06	Oct. 23	9.80
Mar. 1	18.20	May 24	17.71	Sept.25	10.55	Nov. 29	9.82
Apr. 1	19.22						

100-50-26N1 (*886, p. 644; 908, p. 281; 938, p. 228; 946, p. 272; *988, p. 344). Ed Devitt. SW¼SW¼ sec. 26, T. 100 N., R. 50 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	4.68	Apr. 28	0.02	Aug. 22	0.49	Oct. 23	0.89
Mar. 1	2.30	May 24	.33	Sept.25	.15	Nov. 29	.36
Apr. 1	a .75						

a Crust of ice on surface.

Minnehaha County

101-49-4A1 (68 S.F.). Standard Station. NE¼NE¼ sec. 4, T. 101 N., R. 49 W. Diameter 1¼ inches, depth 16.0 feet below land surface. Measuring point, top of pipe, 0.4 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: Oct. 10, 13.68; Oct. 19, 13.78.

101-49-4C1 (*946, p. 269; *988, p. 344). State of South Dakota. NE¼NW¼ sec. 4, T. 101 N., R. 49 W. No measurements made in 1944.

101-49-5A1 (72 S.F.). City of Sioux Falls. NE¼NE¼ sec. 5, T. 101 N., R. 49 W. Test well drilled 1943, diameter 6 inches, depth 38.0 feet below land surface. Measuring point, top of steel cap, 1.0 foot above land-surface datum. Water level affected by nearby pumping well.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Sept.25	7.87	Oct. 19	8.47	Dec. 8	9.68
Oct. 4	8.04	Nov. 21	9.50		

101-49-5G1 (79 S.F.). City of Sioux Falls test well 39. SW¼NE¼ sec. 5, T. 101 N., R. 49 W. Observation well, diameter 6 inches, depth 38.7 feet below land-surface. Measuring point, top of casing, 1.5 feet above land-surface datum. Water level affected by nearby pumped well.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 2	16.51	Sept. 5	15.32	Oct. 5	15.15	Nov. 13	15.78
7	14.79	7	15.34	9	15.76	16	17.57
10	16.12	11	15.01	12	16.07	20	17.52
14	16.18	14	15.76	16	16.52	27	17.80
17	15.34	18	14.93	19	16.47	Dec. 4	16.54
21	16.24	21	15.99	23	17.54	11	16.28
24	15.31	25	14.56	26	16.18	18	16.84
28	16.40	28	15.71	30	15.67	26	17.69
31	14.11	Oct. 2	15.24	Nov. 2	16.96		

101-49-5J1 (95 S.F.). City of Sioux Falls test well 35. NE¼SE¼ sec. 5, T. 101 N., R. 49 W. Test well, diameter 6 inches, depth 36.5 feet below land surface. Measuring point, top of casing, 2.7 feet above land-surface datum. Water level affected by pumping from nearby well.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 2	20.68	Sept. 5	18.51	Oct. 5	18.35	Nov. 13	22.13
7	18.46	7	20.65	9	20.75	16	18.86
10	19.36	11	19.02	12	24.52	20	18.97
14	20.14	14	19.53	16	21.50	27	15.79
17	19.47	18	19.67	19	18.66	Dec. 4	20.87
21	17.83	21	17.57	23	19.90	11	21.40
24	20.15	25	17.90	26	18.66	18	19.33
28	19.92	28	19.77	30	21.65	26	22.36
31	19.26	Oct. 2	19.88	Nov. 2	22.37		

101-49-5P1 (104 S.F.). City of Sioux Falls. SE¼SW¼ sec. 5, T. 101 N., R. 49 W. Test well, diameter 6 inches, depth 38.4 feet below land surface. Measuring point is 2.8 feet above land-surface datum. Water level slightly affected by nearby pumping well. Measurements made by Carl Dahlund, Sioux Falls Water Works.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Nov. 20	12.36	Dec. 11	12.42	Dec. 26	12.32
Dec. 4	12.13	18	12.44		

101-49-6A1 (75 S.F.). City of Sioux Falls. NE¼NE¼ sec. 6, T. 101 N., R. 49 W. Test well drilled 1943, diameter 6 inches, depth 38.8 feet below land surface. Measuring point, top of casing, 1.7 feet above land-surface datum.

Water level, in feet below land-surface datum, 1944

Nov. 20	8.04	Dec. 4	8.19	Dec. 18	8.28
27	8.16	11	8.22	26	8.33

101-49-6H1 (109 S.F.). City of Sioux Falls. SE¼NE¼ sec. 6, T. 101 N., R. 49 W. Drilled test well, diameter 6 inches, depth 40.6 feet below land surface. Measuring point, top of casing, 1.6 feet above land-surface datum. Measurements made by Carl Dahlund, Sioux Falls Water Works.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 2	6.60	Sept. 5	7.26	Oct. 5	7.70	Nov. 13	7.80
8	6.93	7	7.43	9	7.73	16	7.83
10	6.94	11	7.58	12	7.87	20	7.86
14	7.28	14	7.62	16	7.82	27	7.81
17	7.26	18	7.66	19	7.86	Dec. 4	7.64
21	7.47	21	7.55	23	7.88	11	7.66
24	7.55	25	7.56	26	7.98	18	7.60
28	7.17	28	7.64	30	7.93	26	7.50
31	7.02	Oct. 2	7.70	Nov. 2	7.95		

101-49-9C1 (120 S.F.) (*946, p. 269; *988, p. 345). Morrell Co. NE¼NW¼ sec. 9, T. 101 N., R. 49 W.

Water level, in feet below land-surface datum, 1944

Jan. 3	12.20	Apr. 3	9.20	July 2	9.20	Oct. 2	9.54
10	12.20	10	9.30	10	9.00	9	9.38
17	12.20	17	9.30	17	8.60	16	9.54
24	12.30	24	9.10	24	8.80	23	9.55
31	12.40	May 1	9.00	Aug. 1	9.10	30	9.67
Feb. 7	12.40	8	8.30	7	8.90	Nov. 13	9.75
14	12.40	15	8.50	14	9.00	20	9.88
21	12.40	22	7.00	21	9.20	28	9.77
28	12.30	29	8.50	28	9.10	Dec. 4	9.96
Mar. 6	11.30	June 5	8.80	Sept. 4	9.20	11	9.89
13	10.20	12	8.80	11	9.10	18	10.20
20	10.00	19	8.60	18	9.10	26	10.23
27	9.20	26	8.90	25	9.37		

101-49-25L1 (186 S.F.). City of Sioux Falls. NE¼SW¼ sec. 25, T. 101 N., R. 49 W. Test well drilled 1944, diameter 6 inches, depth 23.0 feet below land surface. Measuring point, top of casing, 0.1 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: Sept. 11, 3.49; Sept. 19, 2.80; Oct. 21, 4.48.

101-49-28L1 (130 S.F.). Keeler's Gardens. NE¼SW¼ sec. 28, T. 101 N., R. 49 W. Caisson-type dug well, diameter 4.0 feet, depth 14.9 feet below land surface. Measuring point is 0.2 foot above land-surface datum.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 29	13.22	Sept. 25	13.05	Oct. 27	13.19	Nov. 28	13.23
Sept. 4	13.18	Oct. 3	13.06	Nov. 14	13.11	Dec. 8	13.23
19	13.07	19	13.09	22	13.18	21	13.30

101-49-32A1 (148 S.F.). A. C. Odegaard. NE¼NE¼ sec. 32, T. 101 N., R. 49 W. Diameter 10 inches, depth 12.3 feet below land surface. Water levels, in feet below land-surface datum, 1944: Sept. 4, 10.01; Sept. 19, 10.02; Oct. 21, 10.15.

101-50-12A1 (165 S.F.). City of Sioux Falls. NE¼NE¼ sec. 12, T. 101 N., R. 50 W. Bored observation well, diameter 5 inches, depth 15.0 feet below land surface. Measuring point is 0.1 foot below land-surface datum. Water levels, in feet below land-surface datum, 1944: Sept. 19, 11.02; Oct. 21, 11.52; Nov. 22, 11.85.

101-50-15D1 (173 S.F.). City of Sioux Falls. NW¼NW¼ sec. 15, T. 101 N., R. 50 W. Test well drilled July 1944, diameter 6 inches, depth 17.5 feet below land surface. Measuring point, top of casing, 3.0 feet above land-surface datum.

Water level, in feet below land-surface datum, 1944

Aug. 1	8.72	Aug. 28	8.42	Oct. 3	9.43	Nov. 14	9.68
7	7.02	Sept. 4	8.50	10	9.56	28	9.77
14	8.50	19	9.10	21	9.75	Dec. 8	9.82
21	8.94	25	9.18	27	9.84	21	9.98

101-50-23J1 (178 S.F.). City of Sioux Falls. NE¼SE¼ sec. 23, T. 101 N., R. 50 W. Test well drilled July 1944, diameter 6 inches, depth 53.8 feet below land surface. Measuring point, top of casing, 3.2 feet above land-surface datum.

Water level, in feet below land-surface datum, 1944

July 31	9.01	Aug. 28	8.84	Sept. 25	9.08	Oct. 27	9.61
Aug. 7	8.34	Sept. 4	8.70	Oct. 3	9.26	Nov. 13	9.68
14	8.80	11	8.94	10	9.34	28	9.82
21	8.90	19	9.08	21	9.53	Dec. 8	9.87

101-51-21A1 (*886, p. 644; 908, p. 281; 938, p. 229; 946, p. 272; *988, p. 345). NE¼NE¼ sec. 21, T. 101 N., R. 51 W. New measuring point after May, top of hole in steel plate in top of cement cover, 0.50 foot above land-surface datum. Possible discrepancy of a few hundredths of a foot between preceding and succeeding measurements.

Water level, in feet below land-surface datum, 1944

Jan. 26	10.11	Apr. 28	8.94	Aug. 22	7.37	Oct. 23	5.99
Mar. 1	10.10	May 24	4.93	Sept. 25	4.82	Nov. 19	5.96
Apr. 1	9.76						

102-47-29J1 (56 S.F.) (*988, p. 345). State of South Dakota. NE¼SE¼ sec. 29, T. 102 N., R. 49 W.

Water level, in feet below land-surface datum, 1944

Jan. 1	8.20	Apr. 2	6.51	July 2	7.15	Sept. 21	8.12
7	8.13	9	6.70	9	7.45	28	8.18
14	8.19	16	6.92	15	6.55	Oct. 4	8.25
21	8.18	23	7.01	24	7.05	14	8.36
28	8.18	30	6.95	29	7.42	19	8.40
Feb. 5	8.20	May 7	5.92	Aug. 4	7.60	26	8.44
12	8.23	14	5.98	8	7.56	Nov. 2	8.50
19	8.26	21	6.04	11	7.72	9	8.52
26	8.15	25	4.05	23	8.00	12	8.48
Mar. 4	6.70	June 2	7.85	30	7.90	19	8.46
11	6.92	9	6.70	Sept. 6	7.84	28	8.50
18	6.80	16	6.60	13	8.02	Dec. 8	8.52
25	6.73	23	6.52				

102-49-5A1 (36 S.F.). City of Sioux Falls. NE¼NE¼ sec. 5, T. 102 N., R. 49 W. Test well drilled 1943, diameter 6 inches, depth 27.2 feet below land surface. Measuring point, top of casing, 2.3 feet above land-surface datum.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 28	5.58	Oct. 10	6.58	Nov. 14	6.78	Dec. 8	6.84
Sept.19	6.34	27	6.73	21	6.78	21	6.88

102-49-8N1 (38 S.F.). City of Sioux Falls. SW¼SW¼ sec. 8, T. 102 N., R. 49 W. Test well drilled 1943, diameter 6 inches, depth 39.8 feet below land surface. Measuring point is 1.7 feet above land-surface datum. Measurements discontinued after Sept. 25.

Water level, in feet below land-surface datum, 1944

Aug. 3	8.60	Aug. 21	9.25	Sept. 5	9.10	Sept.19	9.42
7	8.31	28	8.99	12	9.41	25	9.51
14	8.95						

102-49-16D1 (*886, p. 644; 908, p. 281; 938, p. 229; 946, p. 272; *988, p. 346). Renner Baseball Park. NW¼NW¼ sec. 16, T. 102 N., R. 49 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	6.15	Aug. 7	3.30	Sept.19	4.70	Oct. 27	5.33
Mar. 1	5.35	14	4.46	25	4.81	Nov. 14	5.40
Apr. 1	4.92	21	4.84	Oct. 3	4.96	21	5.45
28	4.18	28	4.02	10	5.09	29	5.38
May 24	2.41	Sept. 5	4.07	19	5.24	Dec. 8	5.48
Aug. 3	4.50	12	4.59	23	5.28	21	5.55

102-49-20P1 (50 S.F.). City of Sioux Falls test well C-3. Centerline secs. 20 and 29, T. 102 N., R. 49 W. Test well drilled 1943, diameter 6 inches, depth 26.5 feet below land surface. Measuring point, top of casing, 3.5 feet above land-surface datum.

Water level, in feet below land-surface datum, 1944

Aug. 3	5.26	Aug. 28	5.39	Sept.25	5.82	Nov. 11	6.20
7	4.65	Sept. 4	5.27	Oct. 4	6.00	21	6.23
14	5.28	12	5.66	10	6.06	28	6.27
21	5.59	19	5.80	19	6.17	Dec. 8	6.26

102-49-32N1 (62 S.F.). City of Sioux Falls test well 43-A. SW¼SW¼ sec. 32, T. 102 N., R. 49 W. Test well, diameter 6 inches, depth 41.8 feet below land surface. Measuring point, top of casing, 2.2 feet above land-surface datum. Measurements made by Carl Dahlund, Sioux Falls Water Works.

Water level, in feet below land-surface datum, 1944

Aug. 2	9.41	Sept. 5	9.95	Oct. 5	10.27	Nov. 13	10.62
7	a 12.18	7	10.06	9	10.33	16	10.59
10	9.72	11	10.17	12	10.39	20	10.50
14	9.97	14	10.20	16	10.44	27	10.54
17	9.96	18	10.21	19	10.48	Dec. 4	10.62
21	10.02	21	10.14	23	10.56	11	10.83
24	a 11.76	25	10.17	26	10.60	18	10.82
28	a 12.39	28	10.22	30	10.62	26	10.88
31	9.91	Oct. 2	10.28	Nov. 2	10.58		

a Affected by dewatering of nearby well under construction.

102-49-32P1 (66 S.F.). City of Sioux Falls test well 42. SE¼SW¼ sec. 32, T. 102 N., R. 49 W. Test well drilled 1941, diameter 6 inches, depth 35.7 feet below land-surface. Measuring point, top of casing, 2.0 feet above land-surface datum. Measurements by Carl Dahlund, Sioux Falls Water Works.

102-49-32P1. City of Sioux Falls test well 42--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 2	10.69	Sept. 5	11.19	Oct. 5	11.50	Nov. 13	12.01
7	10.72	7	11.76	9	11.58	16	12.05
10	10.83	11	11.34	12	11.60	20	12.14
14	11.07	14	11.39	16	11.67	27	12.20
17	11.06	18	11.36	19	11.70	Dec. 4	12.27
21	11.15	21	11.39	23	11.77	11	12.29
24	11.26	25	11.38	26	11.82	18	12.31
28	11.27	28	11.44	30	11.88	26	12.37
31	11.22	Oct. 2	11.47	Nov. 2	11.91		

103-49-6B1 (*886, p. 644; 908, p. 281; 938, p. 229; 946, p. 273; *988, p. 346). NW¼NE¼ sec. 6, T. 103 N., R. 49 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	7.69	Apr. 28	5.91	Sept.19	5.78	Nov. 14	6.41
Mar. 1	7.07	May 24	4.30	25	4.76	29	6.99
Apr. 1	6.40	Aug. 28	5.15	Oct. 23	6.27	Dec. 31	7.08

103-49-8Q1 (27 S.F.). City of Sioux Falls. SW¼SE¼ sec. 8, T. 103 N., R. 49 W. Test well drilled 1943, diameter 6 inches, depth 28.5 feet below land surface. Measuring point is 0.5 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: Sept. 5, 2.68; Sept. 19, 3.15; Oct. 22, 4.90; Nov. 14, 4.68.

Moody County

106-49-33E1 (*886, p. 644; 908, p. 282; 938, p. 229; 946, p. 273; *988, p. 346). SW¼NW¼ sec. 33, T. 106 N., R. 49 W. No measurements made in 1944.

106-50-16N1 (*886, p. 644; 908, p. 282; 938, p. 229; 946, p. 273; *988, p. 346). Carl B. Jensen. SW¼SW¼ sec. 16, T. 106 N., R. 50 W. No measurements made in 1944.

Turner County

96-52-23Q (*886, p. 645; 908, p. 282; 938, p. 229; 946, p. 273; *988, p. 347). C. E. Johnson. Sec. 23, T. 96 N., R. 52 W. Well plugged and measurements discontinued after Mar. 31. Water levels, in feet below land-surface datum, 1944: Jan. 25, 2.94; Feb. 29, 2.42; Mar. 31, 1.40; crust of ice in well.

96-53-27R1 (*886, p. 645; 908, p. 282; 938, p. 230; 946, p. 273; *988, p. 347). W. C. Olsen. SE¼SE¼ sec. 27, T. 96 N., R. 53 W. Measuring point beginning Sept. 27, 1944, 1.3 feet above land-surface datum.

Water level, in feet below land-surface datum, 1944

Jan. 25	29.04	May 25	20.02	Sept.27	13.91	Nov. 24	a 15.15
Feb. 29	26.26	Aug. 22	14.30	Oct. 25	14.40	Dec. 29	14.58
Apr. 27	26.11						

a Pumping.

96-53-32N1 (*886, p. 645; *908, p. 282; 938, p. 229; 946, p. 273; *988, p. 347). J. H. Shaw. SW¼SW¼ sec. 32, T. 96 N., R. 53 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	10.64	Apr. 27	6.75	Sept.27	3.99	Nov. 24	5.01
Feb. 29	10.45	May 25	3.39	Oct. 25	4.70	Dec. 29	5.49
Mar. 31	8.66	Aug. 22	4.51				

97-53-35N1 (*886, p. 645; 908, p. 282; 938, p. 230; 946, p. 274; *988, p. 347). Jorgenson Studio. SW¼SW¼ sec. 35, T. 97 N., R. 53 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	16.27	Apr. 28	14.91	Aug. 22	9.60	Oct. 23	6.54
Mar. 1	16.89	May 24	8.61	Sept.25	7.84	Nov. 19	6.18
Apr. 1	16.16						

98-53-26R1 (*886, p. 645; 908, p. 282; 938, p. 230; 946, p. 274; *988, p. 347). SE¼SE¼ sec. 26, T. 98 N., R. 43 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	10.13	Apr. 28	7.10	Aug. 22	7.70	Oct. 23	7.62
Mar. 1	8.92	May 24	6.67	Sept.25	6.63	Nov. 19	7.41

99-53-8P1 (*946, p. 274; *988, p. 347). A. M. Fisher. SE¼SW¼ sec. 8, T. 99 N., R. 53 W.

Water level, in feet below land-surface datum, 1944

Jan. 26,	28.50	Apr. 1	30.03	May 24	18.14	Oct. 23	18.31
Mar. 1	29.68	28	25.73	Sept.25	17.28	Nov. 19	18.83

99-53-29A1 (*886, p. 645; 908, p. 282; 938, p. 229; 946, p. 273; *988, p. 347). NE¼NE¼ sec. 29, T. 99 N., R. 53 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	8.31	Apr. 1	a 5.45	May 24	4.22	Oct. 23	5.42
Mar. 1	7.90	28	4.86	Sept.25	4.72	Nov. 19	5.60

a Crust of ice in well.

100-53-9N1 (*886, p. 645; 908, p. 282; 938, p. 229; 946, p. 273; *988, p. 348). Otto Kraemer. SW¼SW¼ sec. 9, T. 100 N., R. 53 W.

Water level, in feet below land-surface datum, 1944

Jan. 26	40.10	Apr. 28	39.65	Aug. 22	38.70	Oct. 23	38.94
Mar. 1	39.98	May 24	38.60	Sept.25	38.67	Nov. 19	39.00
Apr. 1	39.90						

Union County

94-50-6J1 (*886, p. 646; 908, p. 283; 938, p. 230; 946, p. 274; *988, p. 348). A. G. McGuire. NE¼SE¼ sec. 6, T. 94 N., R. 50 W. Measurements resumed.

Water level, in feet below land-surface datum, 1944

Jan. 26	16.10	Apr. 28	6.42	Aug. 22	4.20	Oct. 23	5.95
Mar. 1	(a)	May 24	3.14	Sept.25	4.21	Nov. 29	5.96
Apr. 1	8.32						

a Well under water.

95-50-8B1 (*886, p. 645; 908, p. 283; 938, p. 230; *946, p. 274; *988, p. 348). J. J. Dolan. NW¼NE¼ sec. 8, T. 95 N., R. 50 W. No measurements made in 1944.

93-50-8N1 (*886, p. 646; 908, p. 283; 938, p. 230; 946, p. 274; *988, p. 348). SW¼SW¼ sec. 8, T. 93 N., R. 50 W. Platform settled after October. Measuring point after October, top of platform, at land-surface datum.

Water level, in feet below land-surface datum, 1944

Jan. 26	19.67	Apr. 28	19.49	Aug. 22	16.71	Oct. 23	16.56
Mar. 1	19.74	May 24	18.55	Sept.25	16.38	Nov. 29	17.48
Apr. 1	19.60						

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Walworth County

121-76-2Q1 (U.S. 130). Martin Anderson. SW¼SE¼ sec. 2, T. 121 N., R. 76 E. Bored well, diameter 36 inches, depth 35 feet. Measuring point, top of wooden casing, 2.50 feet above land-surface datum.

Water level, in feet below land-surface datum, 1943-44

Date	Water level	Date	Water level	Date	Water level
May 26, 1943	12.25	Aug. 25, 1943	11.63	Nov. 15, 1943	12.00
June 15	12.00	Sept.15	11.75	25	11.96
July 15	11.58	25	11.75	Dec. 15	12.00
25	11.58	Oct. 15	11.83	26	12.00
Aug. 15	11.67	25	11.90	Jan. 15, 1944	12.08

Yankton County

93-54-11D1 (*886, p. 646; 908, p. 283; 938, p. 230; 946, p. 275; *988, p. 348). Gayville Cemetery. NW¼NW¼ sec. 11, T. 93 N., R. 54 W.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	14.91	Apr. 27	14.31	Sept.27	11.85	Nov. 24	11.70
Feb. 29	14.89	May 25	13.63	Oct. 25	11.79	Dec. 29	11.79
Mar. 31	14.40	Aug. 22	12.30				

93-56-13G1 (*988, p. 349). Thomas Bosteder. SW¼NE¼ sec. 13, T. 93 N., R. 56 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	12.75	Mar. 31	12.92	Sept.27	11.35	Nov. 24	11.68
Feb. 29	12.19	May 25	11.61	Oct. 25	11.61	Dec. 29	11.86

93-57-1A1 (*886, p. 646; 908, p. 283; 938, p. 231; 946, p. 275; *988, p. 349). Adolph Schochfeldt. NE¼NE¼ sec. 1, T. 93 N., R. 57 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	18.16	May 25	12.54	Sept.27	10.75	Nov. 24	11.83
Mar. 31	16.97	Aug. 22	11.12	Oct. 25	11.50	Dec. 29	13.05
Apr. 27	16.98						

95-54-5B1 (*886, p. 646; 908, p. 283; 938, p. 231; 946, p. 275; *988, p. 349). NW¼NE¼ sec. 5, T. 95 N., R. 54 W. Water levels, in feet below land-surface datum, 1944: Jan. 25, 8.89; Feb. 29, 5.35; Mar. 31, 4.46. Measurements discontinued.

96-55-7E1 (*908, p. 284; 938, p. 231; 946, p. 275; *988, p. 349). Oswald Estate. SW¼NW¼ sec. 7, T. 96 N., R. 55 W.

Water level, in feet below land-surface datum, 1944

Jan. 25	20.18	Apr. 27	15.28	Aug. 22	8.30	Oct. 25	9.41
Feb. 29	17.81	May 25	7.85	Sept.27	9.33	Nov. 24	9.63
Mar. 31	17.21						

WISCONSIN

By F. C. Christopherson, F. C. Foley, and A. L. Greenlee

PROGRAM OF WORK

Observations of water level in wells in Wisconsin were continued during 1944 by the Geological Survey, United States Department of the Interior. At the beginning of the year there were 10 wells on the program, 1 in Ashland County, measured weekly, and the remainder, measured monthly, in the so-called Coon Creek area which lies in the basins of Coon Creek and Little La Crosse Rivers in Monroe and Vernon Counties. In October and November 10 wells, 1 of which was equipped with a water-stage recorder, were added to the program. All the new wells are located in the northern part of the Wisconsin River Valley and were measured weekly. At the end of the year 19 wells were under observation. During the year about 200 individual measurements of water level were made.

FLUCTUATIONS OF WATER LEVEL

Precipitation in Wisconsin in 1944 was 29.10 inches, which is 1.50 inches below normal. Precipitation at La Crosse, the Weather Bureau station closest to the Coon Creek area, was 26.04 inches, which is 4.82 inches below normal. Trends in ground-water levels in the Coon Creek area are shown in the following tables.

Highest and lowest recorded water levels, in feet below land-surface datum, in 9 wells in the Coon Creek area, Wis.

Well	Length of record	Highest level	Date	Lowest level	Date
Mo 2	10½	7.30	Apr. 29, 1935 June 26, 1935	18.71	Feb. 28, 1935
Mo 10	10½	2.98	May 2, 1935	10.95	Aug. 20, 1936
Mo 11	10	2.32	Apr. 12, 1935	7.52	Dec. 4, 1940
Mo 12	10½	26.59	Apr. 1, 1943	28.29	Jan. 31, 1935
Mo 13	10½	6.34	Aug. 8, 1935	10.06	Oct. 3, 1940
Ve 4	10½	7.78	Sept.15, 1938	13.70	Sept. 9, 1937
Ve 8	5	44.00	Feb. 26, 1944	51.52	Jan. 18, 1942
Ve 9	5	47.00	June 29, 1944	49.32	Mar. 5, 1941
Ve 14	10	5.30	Mar. 15, 1935	7.88	Aug. 2, 1941

Difference between highest and lowest recorded water levels and net change in water level, in feet, in 1944 and for period of record, in 9 wells in the Coon Creek area

Well	Difference between highest and lowest levels	Net decline in 1944	Net rise (+) or net decline (-) for period of record
Mo 2	11.41	1.50	+6.16
Mo 10	7.97	1.32	+.16
Mo 11	5.20	.40	-.65
Mo 12	1.70	.12	+.84
Mo 13	3.72	1.60	+.13
Ve 4	5.92	.20	+.64
Ve 8	7.52	.05	+.99
Ve 9	2.32	.35	-.54
Ve 14	2.58	.10	-1.25

All the observation wells in the Coon Creek area show a net decline during 1944 but only three of the nine show a net decline for the whole period of record. All the observation wells in the Coon Creek area are located in valley bottoms or on valley slopes. There is no record of the many wells located on the high divides in the area.

Well As 1, in Ashland County, showed a net rise of 0.24 foot during 1944 from measurements taken Jan. 3, 1944, and Jan. 1, 1945. The well reached its highest levels in early June and its lowest levels in August and September.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Ashland County

As 1 (*988, p. 351). Formerly well 137. Lake Superior District Power Co. NW¼NW¼ sec. 6, T. 47 N., R. 4 W., 6 miles south of Ashland, near power dam.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	2.73	Mar. 27	2.60	June 19	2.38	Sept. 18	3.20
10	2.75	Apr. 3	2.48	July 3	2.45	25	3.13
17	2.77	10	1.85	10	2.65	Oct. 2	2.55
24	2.75	17	2.07	17	2.61	9	2.48
31	2.40	24	1.63	24	2.88	16	2.60
Feb. 7	2.55	May 1	1.95	31	3.08	23	2.75
14	2.63	8	1.95	Aug. 7	2.99	30	2.78
21	2.75	15	2.03	14	3.19	Nov. 6	2.70
28	2.60	22	1.99	21	3.31	13	2.65
Mar. 6	2.47	29	2.33	28	3.45	20	2.55
13	2.56	June 5	1.61	Sept. 4	3.41	27	2.60
20	2.58	12	2.28	11	3.39	Dec. 4	2.50

Langlade County

La 26. Geological Survey, U. S. Dept. of Interior. SE¼NE¼ sec. 7, T. 31 N., R. 11 E. Driven observation well, diameter 1¼ inches, depth 22.4 feet. Measuring point, top of casing, 1.0 foot above land-surface datum.

Water level, in feet below land-surface datum, 1944

Nov. 19	7.34	Dec. 2	7.35	Dec. 16	7.61	Dec. 31	7.82
26	7.32	10	7.61	24	7.62		

Lincoln County

Ln 25. Geological Survey, U. S. Dept. of Interior. SE¼NE¼ sec. 36, T. 34 N., R. 6 E. Driven observation well, diameter 1¼ inches, depth 21.9 feet. Measuring point, top of casing, 1.0 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: Nov. 21, 6.06; Dec. 17, 6.11; Dec. 24, 6.25.

Marathon County

Mr 27. Conrad Kremsreiter. SE¼SE¼ sec. 24, T. 29 N., R. 3 E. Unused drilled well, diameter 4 inches, depth 40.9 feet. Measuring point, top of 6-inch outer casing, 1.0 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: Nov. 23, 7.26; Dec. 3, 7.25; Dec. 24, 7.42.

Mr 28. Geological Survey, U. S. Dept. of Interior. NE¼NE¼ sec. 31, T. 27 N., R. 9 E. Driven observation well, diameter 1¼ inches, depth 27.1 feet. Measuring point, top of casing, 0.8 foot above land-surface datum.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 17	18.19	Nov. 27	18.19	Dec. 11	18.37	Dec. 27	18.53
20	18.19	Dec. 4	18.19	19	18.46		

Monroe County

Mo 2 (777, p. 267; 817, p. 506; *840, p. 651; 845, p. 720; 886, p. 930; 908, p. 287; 938, p. 232; 946, p. 276; *988, p. 351). Formerly well 2. Joe Anderson. SE¼SE¼ sec. 34, T. 15 N., R. 4 W., lat. 43°43'46", long. 90°50'05".

Water level, in feet below land-surface datum, 1944

Jan. 28	10.30	Apr. 29	7.30	July 29	8.90	Oct. 29	10.40
Feb. 28	9.80	May 29	8.10	Aug. 28	9.90	Nov. 28	11.30
Mar. 27	8.60	June 26	7.30	Sept.25	10.10	Dec. 25	11.60

Mo 10 (777, p. 267; 817, p. 507; *840, p. 655; 845, p. 723; 886, p. 932; 908, p. 287; 938, p. 232; 946, p. 276; *988, p. 351). Formerly well 10. Dennis Shea. NW¼NW¼ sec. 5, T. 15 N., R. 3 W., lat. 43°48'34", long. 90°46'13".

Water level, in feet below land-surface datum, 1944

Jan. 25	10.15	Apr. 26	9.35	July 29	10.38	Oct. 27	10.48
Feb. 28	10.05	May 25	9.77	Aug. 28	10.70	Nov. 28	10.48
Apr. 8	9.99	July 7	10.08	Sept.28	10.43	Dec. 28	10.62

Mo 11 (777, p. 267; 817, p. 507; *840, p. 655; 845, p. 723; 886, p. 932; 908, p. 287; 938, p. 232; 946, p. 277; *988, p. 351). Formerly well 11. John Sullivan. SW¼NW¼ sec. 27, T. 16 N., R. 3 W., lat. 43°50'17", long. 90°40'50". (In Water-Supply Paper 988 the table heading is shown as "Water level, in feet above land-surface datum, 1943." The correct heading is "Water level, in feet below land-surface datum, 1943.")

Water level, in feet below land-surface datum, 1944

Jan. 24	6.40	Apr. 29	5.60	Aug. 3	6.60	Oct. 29	6.65
Feb. 26	6.15	May 29	6.10	27	6.80	Nov. 29	6.68
Mar. 28	6.24	June 28	6.08	Sept.26	6.45	Dec. 27	6.80

Mo 12 (777, p. 267; 817, p. 507; *840, p. 565; 845, p. 724; 886, p. 933; 908, p. 287; 938, p. 232; 946, p. 277; *988, p. 351). Formerly well 12. Melvin Olson. SE¼SE¼ sec. 32, T. 16 N., R. 4 W., lat. 43°48'49", long. 90°52'22". (In Water-Supply Paper 988, the table heading is shown as "Water level, in feet above land-surface datum, 1943." The correct heading is "Water level, in feet below land-surface datum, 1943.")

Mo 12. Melvin Olson--Continued.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	27.27	Apr. 27	27.05	July 29	27.28	Oct. 28	27.31
Feb. 29	27.27	May 26	27.25	Aug. 31	27.30	Nov. 28	27.34
Mar. 28	27.26	June 30	27.27	Sept.29	27.31		

Mo 13 (777, p. 267; 817, p. 507; *840, p. 656; 845, p. 724; 886, p. 933; 908, p. 288; 938, p. 232; 946, p. 277; *988, p. 352). Formerly well 13. Walter Parks. SE¼NW¼ sec. 3, T. 16 N., R. 4 W., lat. 43°53'44", long. 90°50'28".

Water level, in feet below land-surface datum, 1944

Jan. 27	9.56	Apr. 27	9.13	July 28	9.60	Oct. 28	9.84
Feb. 23	8.78	May 24	9.52	Aug. 24	9.78	Nov. 30	9.84
Mar. 29	9.20	June 29	9.28	Sept.28	9.60	Dec. 25	9.59

Oneida County

On 22. Wisconsin Valley Improvement Co. NW¼ sec. 18, T. 39 N., R. 8 E. Drilled observation well, diameter 6 inches, depth 21.6 feet. Measuring point, floor of recorder shelter, 6.1 feet above land-surface datum.

Water level at noon, in feet below land-surface datum, 1944

Oct. 24	16.69	Nov. 11	16.79	Nov. 28	16.84	Dec. 15	16.89
25	16.71	12	16.80	29	16.84	16	16.89
26	16.74	13	16.80	30	16.84	17	16.90
27	16.76	14	16.79	Dec. 1	16.85	18	16.92
28	16.77	15	16.80	2	16.87	19	16.92
29	16.78	16	16.81	3	16.86	20	16.92
30	16.77	17	16.81	4	16.87	21	16.94
31	16.77	18	16.81	5	16.86	22	16.95
Nov. 1	16.77	19	16.82	6	16.86	23	16.96
2	16.77	20	16.82	7	16.85	24	16.96
3	16.78	21	16.82	8	16.86	25	16.97
4	16.79	22	16.81	9	16.87	26	16.99
5	16.80	23	16.82	10	16.88	27	16.99
6	16.80	24	16.83	11	16.90	28	17.00
7	16.79	25	16.83	12	16.89	29	16.99
8	16.79	26	16.84	13	16.89	30	17.00
9	16.78	27	16.84	14	16.88	31	17.00
10	16.79						

On 23. Geological Survey, U. S. Dept. of Interior. NE¼NE¼ sec. 22, T. 37 N., R. 6 E. Driven observation well, diameter 1¼ inches, depth 37.2 feet. Measuring point, top of casing, 1.0 foot above land-surface datum.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Nov. 21	29.77	Dec. 15	29.80	Dec. 26	29.84
22	29.74	17	29.85	31	30.10

On 24. Geological Survey, U. S. Dept. of Interior. NE¼NE¼ sec. 9, T. 36 N., R. 9 E. Driven observation well, diameter 1¼ inches, depth 32.2 feet. Measuring point, top of casing, 0.8 foot above land-surface datum.

Water level, in feet below land-surface datum, 1944

Nov. 19	21.23	Dec. 17	21.32	Dec. 31	21.40
Dec. 14	21.30	24	21.32		

Portage County

Pt 30. Geological Survey, U. S. Dept. of Interior. SE¼NW¼ sec. 1, T. 22 N., R. 8 E. Driven observation well, diameter 1¼ inches, depth 22.0 feet. Measuring point, top of casing, 1.0 foot above land-surface datum.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 16	11.22	Nov. 26	11.40	Dec. 10	11.44	Dec. 24	11.66
19	11.30	Dec. 3	11.50	17	11.60	31	11.66

Vernon County

Ve 4 (777, p. 267; 817, p. 506; *840, p. 651; 845, p. 720; 886, p. 930; 908, p. 288; 938, p. 232; 946, p. 277; *988, p. 352). Formerly well 4. Albert Storbakken. NE¼NE¼ sec. 14, T. 14 N., R. 5 W., lat. 43°41'38", long. 90°56'01".

Water level, in feet below land-surface datum, 1944

Jan. 25	10.30	Apr. 24	8.70	July 23	10.19	Oct. 24	10.30
Feb. 23	10.20	May 23	10.15	Aug. 24	11.11	Nov. 28	10.29
Mar. 22	9.20	June 24	9.10	Sept.28	10.70	Dec. 26	10.50

Ve 8 (777, p. 267; 817, p. 506; *840, p. 654; 845, p. 722; 886, p. 931; 908, p. 288; 938, p. 232; 946, p. 277; *988, p. 352). Formerly well 8. M. H. Willenberg. Formerly owned by Chris Stylen. SE¼NE¼ sec. 26, T. 14 N., R. 7 W., lat. 43°39'33", long. 90°10'26".

Water level, in feet below land-surface datum, 1944

Jan. 26	49.00	May 11	49.35	July 29	49.35	Oct. 24	49.46
Feb. 26	44.00	June 6	47.50	Aug. 25	49.48	Nov. 21	49.48
Mar. 25	48.44	24	48.98	Sept.23	49.49	Dec. 23	49.48

Ve 9 (777, p. 267; 817, p. 506; *840, p. 654; 845, p. 722; 886, p. 932; 908, p. 288; 938, p. 232; 946, p. 277; *988, p. 352). Formerly well 9. F. Lenser. NW¼NE¼ sec. 14, T. 14 N., R. 7 W., lat. 43°41'35", long. 91°10'28".

Water level, in feet below land-surface datum, 1944

Jan. 29	48.60	Apr. 28	48.56	July 27	48.08	Sept.30	48.53
Mar. 2	48.60	May 28	48.31	Sept.11	48.18	Nov. 13	49.02
28	48.56	June 29	47.00				

Ve 14 (777, p. 267; 817, p. 507; *840, p. 656; 845, p. 724; 886, p. 932; 908, p. 288; 938, p. 232; 946, p. 278; *988, p. 352). Formerly well 14. Chris Benrud. NE¼NW¼ sec. 6, T. 14 N., R. 4 W., lat. 43°43'27", long. 90°54'14".

Water level, in feet below land-surface datum, 1944

Jan. 27	7.10	Apr. 29	7.00	June 29	7.30	Oct. 1	7.50
Feb. 28	7.10	May 12	7.39	Aug. 4	7.50	Nov. 6	7.60
Apr. 12	7.30	29	7.20	Sept. 1	7.40	27	7.60

Vilas County

Vi 21. Geological Survey, U. S. Dept. of Interior. NE¼NE¼ sec. 10, T. 40 N., R. 10 E. Driven observation well, diameter 1¼ inches, depth 26.8 feet. Measuring point, top of casing, 1.0 foot above land-surface datum. Water levels, in feet below land-surface datum, 1944: Nov. 11, 14.79; Dec. 16, 14.93; Dec. 25, 14.96.

Wood County

Wd 29. Elmer Aschenbrenner. NE¼NE¼ sec. 2, T. 23 N., R. 4 E. Unused drilled well, diameter 6 inches, depth 17.5 feet. Measuring point, top of casing, 0.4 foot above land-surface datum.

Water level, in feet below land-surface datum, 1944

Date	Water level	Date	Water level	Date	Water level
Nov. 18	8.63	Nov. 27	8.67	Dec. 18	9.79
20	8.66	Dec. 4	8.95	24	10.38