

Water Levels and Artesian Pressures in Observation Wells in the United States in 1950

Part 2. Southeastern States

Prepared under the direction of C. G. PAULSEN, Chief Hydraulic Engineer

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*Prepared in cooperation with the States
of Alabama, Florida, Georgia, Ken-
tucky, Maryland, North Carolina,
South Carolina, Tennessee, Virginia,
and West Virginia and other agencies*



UNITED STATES DEPARTMENT OF THE INTERIOR

Oscar L. Chapman, *Secretary*

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PREFACE

This report was prepared by the Geological Survey in cooperation with the States of Alabama, Florida, Georgia, Kentucky, Maryland, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia, and other agencies, by personnel of the Water Resources Division under the direction of:

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WATER LEVELS AND ARTESIAN PRESSURES
IN OBSERVATION WELLS IN THE UNITED STATES
IN 1950

Part 2. SOUTHEASTERN

Introduction

By A. N. Sayre

The publication of records of water levels and artesian pressures annually in the United States was begun by the Geological Survey in 1935. Prior to 1940 the records were published in a single volume---1935, 777; 1936, 817; 1937, 840; 1938, 845; 1939, 886. Since 1940 records have been published in six volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. The following table gives the numbers of Water-Supply Papers from 1940 through 1950.

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170

Ground-water investigations are concerned with the availability of usable water supplies, land drainage, flood control, construction of waterways and dams, mine drainage, and other problems to which the principles of ground-water hydrology are pertinent. Water levels in wells indicate the stages of the aquifers; they show the extent to which water supplies are depleted by drought or by heavy pumping, and the extent to which they are replenished in seasons of abundant rainfall or melting snow. The recorded changes of pressures in artesian wells also indicate depletion or replenishment of the artesian supplies.

This volume gives records of water levels and artesian pressures in observation wells in the southeastern States (Alabama, Florida, Georgia, Kentucky, Maryland, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia). Of the 1,153 wells listed, 172 are equipped with recording gages. Descriptive matter for some wells is given in previous reports. For wells not previously reported, complete records of water levels are given. For wells whose previous records have been published, this volume gives only the current records.

Before 1943, 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. In 1943, a precise datum plane was selected at each well which was approximately the land surface. The water levels and artesian heads for all wells listed in this volume are referred to land-surface datum or mean sea level. Water levels above this datum are preceded by a plus (+) sign, those below this datum have no sign, but are understood to be minus (-), unless otherwise indicated. In this report mean sea level has been abbreviated to msl and land-surface datum to lsd.

Measurements of water levels and artesian pressures in wells were made under the direction of the district supervisors of the Ground Water Branch in the several States. Verda M. Dougherty edited the reports; Rodney Hart edited the illustrations; and Penn Livingston had general charge of the nation-wide observation-well program. This volume was typed by Charlotte Parker.

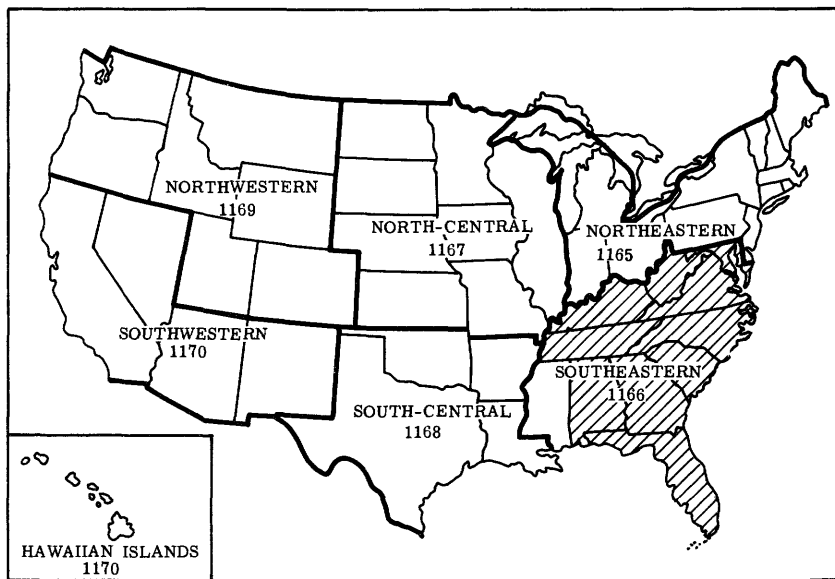


Figure 1.--Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1950. The shaded area indicates the States included in this volume.

ALABAMA

By P. E. LaMoreaux and G. W. Swindel, Jr.

Scope of Water-Level Program

The observation-well program in Alabama was continued in 1950 in cooperation with the State Geological Survey. Measurements were made in 17 wells, 6 of which were equipped with recording gages. In May 1950 a report on the ground-water resources of the Huntsville area, by P. E. LaMoreaux, G. W. Swindel, Jr., and C. R. Lanphere, was published by the Alabama Geological Survey as Bulletin 62. Investigations of the geology and ground-water resources of Choctaw, Wilcox, Mobile, and Baldwin Counties were continued during 1950. As a part of the over-all program of ground-water studies in Alabama, data were furnished 23 municipalities as an aid in the development of ground-water supplies.

Precipitation

Except for periods of unusual drought in June and August, rainfall in 1950 ranged from normal to heavy. July was an exceptionally wet month. In January and February rainfall ranged from heavy in the northwestern part of the State to light over the rest of the area. Southern Alabama received heavy rains in March and July. April, May, and the first 10 days in June was a period of light to heavy rainfall. The remaining 20 days in June were exceptionally dry. The first 28 days in August were the driest on record for Montgomery and Lowndes Counties. September was a month of slightly above-normal rainfall, whereas rainfall in October was subnormal. Precipitation during November and December ranged from heavy in the northwestern part of the State to light in the southeast.

Interpretation of Water-Level Fluctuations

Fluctuations of water levels in most of the observation wells are closely correlative with precipitation. In some of the shallow wells a marked rise in water level occurs within a few hours or days after rainfall. The normal cycle of water-level fluctuations begins with a rise in late November or early December and continues through the period of spring rainfall until late April or early May and then begins to decline. Intermittent heavy rains fall during July, August, and early September owing to the influence of the Gulf of Mexico. These rains are sometimes torrential, and much of the water runs off in surface streams. Summer rains contribute some recharge to the ground-water reservoir, the amount being influenced by evaporation, transpiration, and runoff. The greatest recharge to the ground-water reservoirs occurs in late December and early spring and results in the highest water levels. The lowest water levels and spring flows in Alabama are generally recorded during October and November. Geologically, the State may be divided into the Piedmont area, the Paleozoic area, and the Coastal Plain. (See fig. 2.) The Piedmont is characterized by crystalline schist and gneiss injected by younger igneous rocks. In this area only small yields, generally less than 10 and rarely more than 50 gallons a minute, are obtained from wells. The important sources of ground water in northern Alabama are from the sandstone, limestone, and dolomite formations of Paleozoic age. Ground water in these rocks occurs along bedding planes, joints, fractures, and solution channels. Well Jac-1 (Jackson County) is the only observation well in the Paleozoic area. The other wells are in the Coastal Plain which consists of unconsolidated clay, chalk, limestone, marl, sand, and gravel. Wells penetrating the more permeable sands, gravels, and limestones yield large quantities of water for private, municipal, and industrial supplies.

A high water level of 3.14 feet was recorded in well Aut-1 (Autauga County) on March 16. The water level declined slowly except for rises in August and October until it reached the low level of 6.27 feet on December 2. The fluctuations of the water level in this well can be closely correlated with rainfall. In artesian well Bal-1 (Baldwin County) the water level declined from 18.60 feet on January 3 to 20.80 feet on March 27 and then remained relatively constant, declining only slightly for the remainder of the year. The high water level of 18.40 feet was recorded on January 11 and the low level for the year, 22.45 feet, on December 18, the last record of the year. This well reflected the heavy rainfall occurring during the latter part of August and September as well as the dry season of the first 28 days of August. Heavy rainfall in January, February, and March and again in July and August caused high water levels in water-table well Bib-1 (Bibb County). The high water level for the year, 25.28 feet was recorded on March 29. The low level of the year was 30.29 feet on July 3. The levels in this well are closely correlated with rainfall as the high water levels usually occur within 10 to 15 days after precipitation.

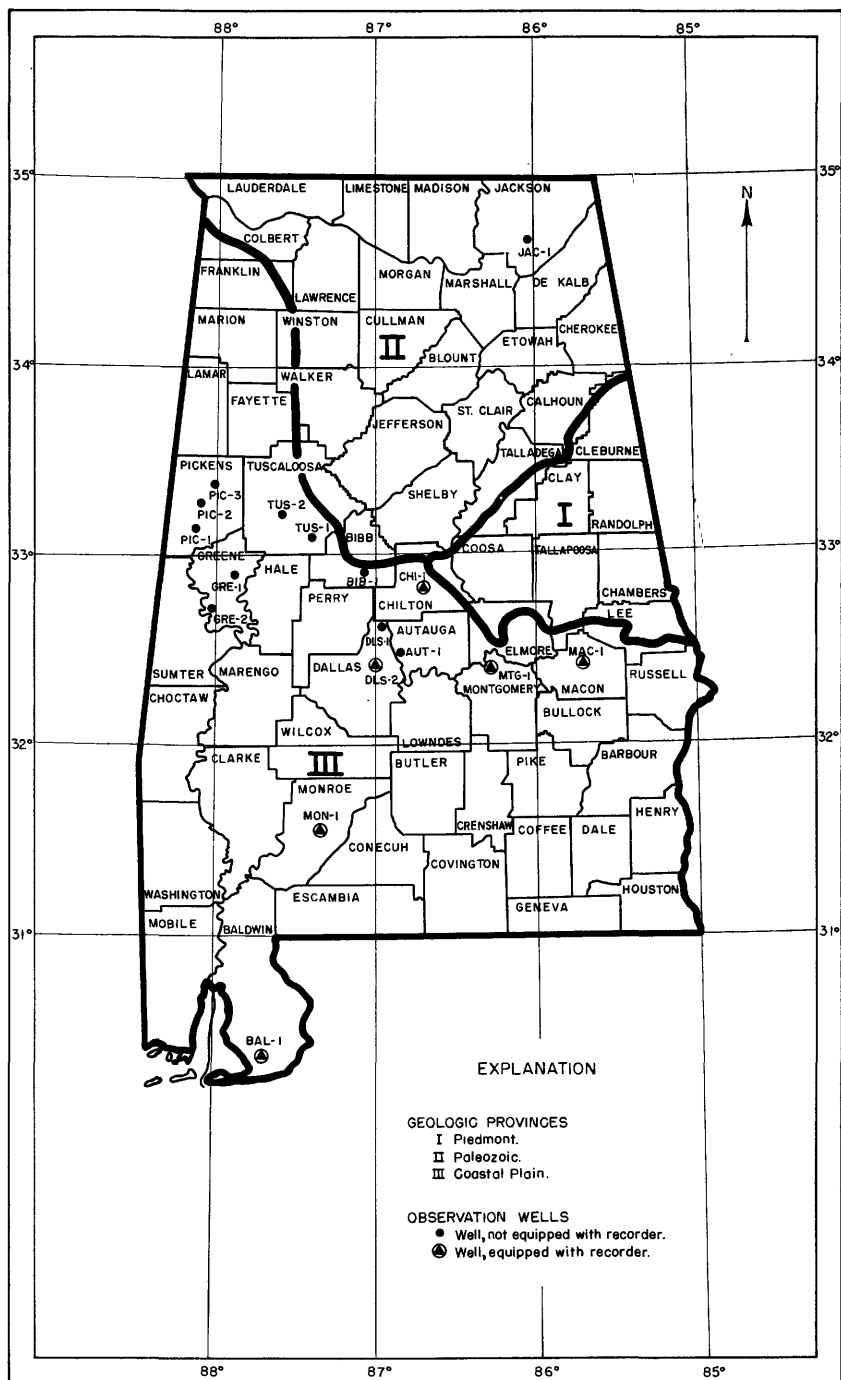


Figure 2.--Location of observation wells in Alabama, 1950.

Except for July and August, rainfall at Clanton was normal or below normal. The low for the year, 20.84 feet was reached in water-table well Chi-1 (Chilton County) on July 5 prior to the sudden rise in water level caused by above-normal rainfall. Rainfall in the Clanton area is reflected in the water level in well Chi-1 within 24 hours after precipitation. (See fig. 3.) In the Plantersville area the Weather Bureau recorded 50.66 inches of rainfall for 1950. The water level in well Dis-1 (Dallas County) rose from 19.93 feet on February 4 to 18.29 feet on August 1. The water level then fell gradually to the annual low level of 20.16 feet on December 28. Sharp rises occurred in late March and July as a result of heavy rains. In artesian well Dis-2 the high water levels occurred in early spring and fall. The low water levels during the summer were the result of heavy pumping from the city of Selma well field. A high water level of 16.33 feet was recorded on March 27 and the low for the year, 24.38 feet, was recorded on September 4.

The Weather Bureau recorded 46.53 inches of rainfall for 1950 at the Eutaw Lock 7 station in Greene County. The water level in well Gre-1 at Eutaw rose from 18.96 feet on January 28 to the high level of 17.90 feet on May 31, then declined to 19.15 feet on July 31. During July this well caved in and could not be used for observation purposes. Measurements after July 31 were interpolated for the remainder of the year. (See fig. 3.) In artesian well Gre-2 at Boligee the water level fluctuated only slightly during the year. Following a slight rise on January 28, the water level gradually declined until the low for the year, 4.58 feet above land-surface datum was recorded on November 30. (See fig. 3.) Water levels in water-table well Jac-1 (Jackson County) can be closely correlated with the rainfall. The high water levels occur within a few hours after the precipitation. The water level ranged between 1.68 feet on January 10 to 7.59 feet on December 22. (See fig. 3.) Artesian conditions exist in well Mac-1 (Macon County) at Tuskegee and there is no close correlation between water level and rainfall. The level fluctuates from pumping in the vicinity. During 1950 the water level reached its highest of 62.60 feet on January 10 and fell sharply to 92.99 feet on January 31. The water level fluctuated only slightly the rest of the year and reached the low of 94.00 feet on November 14. In the Monroeville area, 31.42 inches of rainfall were recorded at the Weather Bureau station at Peterman. The water level in Mon-1 (Monroe County) reached a high of 52.56 feet on January 6 and gradually declined with only slight fluctuations in April and August to 56.50 feet on December 26.

The water level in Mtg-1 (Montgomery County) fluctuates with pumping in the city of Montgomery well field. The general water-level trend in this well begins with a general rise in the winter and spring, and a gradual decline in the summer and early fall. The high level for the year, 106.69 feet was on December 29, and the low for the year, 124.09 feet, was on August 29. This well is highly significant as an index to the development of the municipal water supply from the old well field at Montgomery. Pumped wells in the old field are recorded on the water-level graphs. Incomplete rainfall records for the Aliceville area show a total rainfall of 46.82 inches for the year. Artesian well Pic-1 (Pickens County) does not show a close correlation with rainfall but shows general high water levels in the late spring and early winter and low water levels during the summer and early fall. The high water level for the year, 2.51 feet was on March 31 and the low for the year, 4.61 feet was on June 30. In water-table well Pic-2 at Carrollton the water level does not fluctuate closely with the rainfall. However, the general water-level trend reflects accumulative periods of heavy and light rainfall. The high water level for the year, 20.82 feet was on March 15, and the low for the year, 21.90 feet, was on June 30. In the Reform area 60.26 inches of rainfall were recorded for the year. In well Pic-3, under semiartesian conditions, the general trend of the water level reflects accumulative periods of heavy and light rainfall. This lag in correlation results in low water levels during January and February, and high water levels during April, late July and late October. The record high for the year was 3.87 feet on July 31, and the record low was 5.22 feet on June 30. In the Tuscaloosa area 58.60 inches of rainfall were recorded in 1950, which was 4.62 inches above normal. The water level in Tus-1, under water-table conditions, reflects rainfall very closely, usually between a few hours to two days after precipitation. The high for the year, 6.14 feet, occurred on March 16, and the low for the year, 7.54 feet, was on August 30. In well Tus-2, under artesian conditions, there is no close correlation between the water level and rainfall. The high for the year was 7.75 feet above land-surface datum on March 29 and the low 7.00 feet, on September 28.

During the year the observation-well program in Alabama maintained six recording gages with paid observers on all except Mtg-1 which is tended voluntarily by Mr. G. W. Cowham, superintendent of the city of Montgomery water works. Well Jac-1 is measured by an employee of the TVA, Mr. Charles W. Wann.

Well-Numbering System

The well-numbering system introduced this year replaces the one used previously. The new system uses either the first three letters of a county name and a numeral or a combination of three letters and a numeral to prevent duplication of numbers as in Mon-1 in Monroe County and Mtg-1 in Montgomery County.

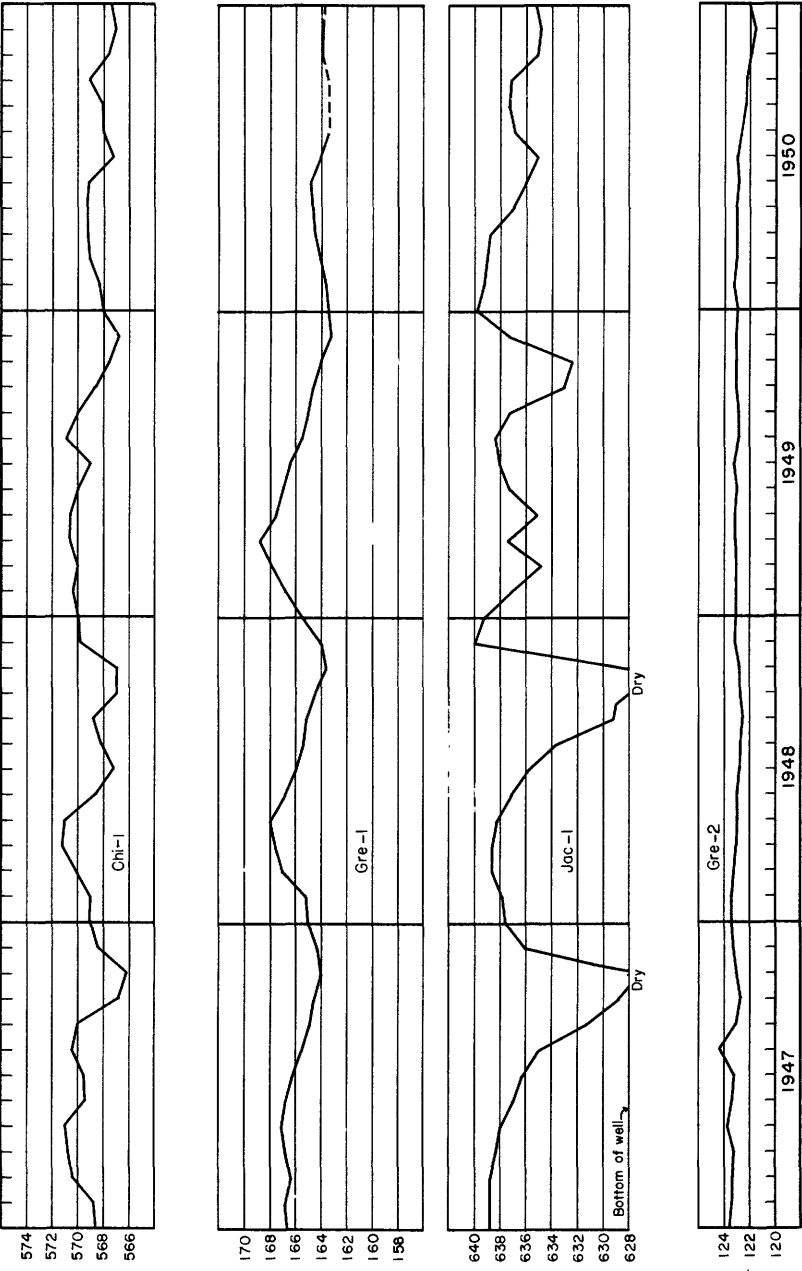


Figure 3. --Fluctuations of water levels in wells Chi-1, Gre-1, Jac-1, and Gre-2, 1947-50.

Well Descriptions and Water-Level Measurements
(Water levels are in feet below land-surface datum unless otherwise indicated.)

Autauga County

Aut-1. Formerly A-1. J. F. Apperson. 0.3 mile south of post office at Jones in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 19 N., R. 12 E. Dug domestic water-table well in sand and gravel, diameter 36 inches, depth 14 feet, cased with concrete tile to 14 feet. Land-surface datum is 198.4 feet above msl. Highest water level 2.07 below lsd, Mar. 9, 1948; lowest 7.25 below lsd, Dec. 6, 1949. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	5.59	May 12	4.20	Aug. 1	4.26	Oct. 28	4.71
Mar. 16	3.14	June 2	4.39	30	5.35	Dec. 2	6.27
29	3.40	July 3	5.56	Sept. 29	4.98	28	5.67

Baldwin County

Bal-1. City of Foley well 4. In waterworks lot. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 7 S., R. 4 E. Drilled unused artesian well in sand and gravel, equipped with recording gage. Diameter 24-12 inches, depth 146 feet, cased with standard steel casing to 90 feet, slotted casing from 90-146 feet. Land-surface datum is 76.0 feet above msl. Highest water level 16.00 below lsd, Sept. 26, 1949; lowest 22.45 below lsd, Dec. 18, 1950. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	18.60	Mar. 27	20.80	July 3	21.90	Sept. 16	21.50
11	18.40	Apr. 3	20.80	10	21.90	25	21.35
16	18.50	10	20.70	17	21.90	Oct. 2	21.30
23	18.45	17	20.85	24	22.00	25	21.60
31	18.50	24	20.85	31	21.90	30	21.65
Feb. 6	19.80	31	20.60	Aug. 7	21.90	Nov. 15	21.80
13	20.20	May 8	21.65	12	21.90	20	21.85
20	20.20	15	21.40	23	22.20	Dec. 1	22.10
28	20.40	22	21.60	28	22.07	4	22.10
Mar. 6	20.40	29	21.70	Sept. 4	21.70	11	22.30
15	20.55	June 19	21.80	11	21.50	18	22.45
20	20.60	26	21.80				

Bibb County

Bib-1. Formerly B-1. Centerville Cotton Gin Co. In Centerville, 3 blocks south of courthouse, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 23 N., R. 9 E. Drilled unused water-table well in sand and gravel, diameter 8 inches, depth 404 feet. Cased with standard steel casing to 80 feet. Land-surface datum is 230.93 feet above msl. Highest water level 25.01 below lsd, Mar. 28, 1949; lowest 31.79 below lsd, Sept. 28, 1948. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	29.63	May 12	28.84	Aug. 1	27.23	Oct. 28	29.72
Mar. 16	25.66	June 2	29.37	30	30.11	Dec. 2	30.10
29	25.28	July 3	30.29	Sept. 29	29.78	28	29.67

Chilton County

Chi-1. Formerly 10. City of Clanton. In waterworks lot. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 22 N., R. 14 E. Dug unused water-table well in sand and gravel, diameter 120 inches, depth 45 feet, equipped with recording gage. Land-surface datum is 587.90 feet above msl. Highest water level 16.22 below lsd, Mar. 26, 1948; lowest 22.88, below lsd, Oct. 2, 1944. Records available: 1941-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	19.66	Feb. 21	19.06	Apr. 12	18.84	May 31	18.91
10	19.56	28	18.55	19	18.59	June 8	19.40
17	19.48	Mar. 8	18.84	26	18.85	14	19.68
24	19.47	15	18.82	May 3	19.09	21	20.15
31	19.68	22	18.77	10	18.95	28	20.43
Feb. 7	19.50	29	18.53	17	19.00	July 5	20.84
14	19.13	Apr. 5	19.06	24	19.29	12	20.55

Chi-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 19	19.52	Aug. 30	19.76	Oct. 18	20.18	Nov. 30	20.75
26	19.92	Sept. 6	19.31	25	20.12	Dec. 7	20.56
Aug. 2	19.18	13	19.21	Nov. 2	20.13	14	20.41
9	19.49	20	18.99	9	20.40	21	20.49
16	20.04	Oct. 6	19.89	16	20.64	28	20.33
23	20.58	11	19.98	23	20.66		

Chi-2. Formerly C-2. Measurement discontinued.

Colbert County

Col-1. Colbert County Malarial Control Project. Measurement discontinued.

Dallas County

Dls-1. Formerly D-1. J. W. Pickering. In Plantersville, 0.25 mile south of Southern Railway station on State Highway 22. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 19 N., R. 11 E. Dug public-supply water-table well in sand and gravel, diameter 36 inches, depth 24 feet, cased with concrete casing to 24 feet. Land-surface datum 240.8 feet above msl. Highest water level 13.80 below lsd, Mar. 9, 1948; lowest 20.17 below lsd, Dec. 29, 1949. Records available: 1948-50.

Feb. 4	19.93	May 12	18.74	Aug. 1	18.29	Oct. 28	19.26
Mar. 16	19.24	June 2	18.87	30	18.45	Dec. 2	20.00
29	18.57	July 3	19.12	Sept. 29	18.61	28	20.16

Dls-2. Formerly D-2. City of Selma. In waterworks lot at Selma Street plant. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T. 17 N., R. 11 E. Drilled unused artesian well in sand and gravel, diameter 6 inches, depth 420 feet, cased with standard steel casing, equipped with recording gage. Land-surface datum 125.26 feet above msl. Highest water level 13.49 below lsd, Feb. 17, 1946; lowest 27.73 below lsd, Sept. 6, 1944. Records available: 1941, 1945-50.

Jan. 2	17.93	Apr. 3	17.93	July 3	23.43	Oct. 9	23.77
9	17.83	10	16.83	10	22.63	16	24.27
16	17.83	17	17.23	17	22.03	23	22.77
23	17.23	24	17.93	24	22.93	30	21.97
30	17.23	May 1	18.13	31	21.83	Nov. 6	22.72
Feb. 6	17.73	8	18.73	Aug. 6	22.43	13	20.51
13	17.53	16	18.63	10	22.88	20	20.78
20	17.33	22	18.53	Sept. 4	24.38	27	20.77
27	17.23	29	20.03	11	23.97	Dec. 4	20.28
Mar. 6	17.13	June 5	21.73	18	23.67	11	18.97
13	17.73	12	20.53	25	24.72	18	18.37
20	16.43	19	21.43	Oct. 2	24.08	25	18.17
27	16.33	26	22.43				

Greene County

Gre-1. Formerly 6. R. Neilon and E. Ward. In front of "The Cotton Patch" restaurant on U. S. Highway 11, 3.8 miles north of Eutaw. NW $\frac{1}{4}$ sec. 14, T. 22 N., R. 2 E. Dug unused water-table well in sand and gravel, diameter 36 inches, depth 31.5 feet, not cased, equipped with wooden sand box in bottom. Land-surface datum is 182.68 feet above msl. Highest water level 13.83 below lsd, Apr. 1, 1949; lowest 28.05 below lsd, Jan. 1, 1944. Records available: 1941-50. Jan. 28, 18.96; Mar. 6, 18.53; Mar. 29, 18.13; Apr. 27, 18.05; May 31, 17.90; June 30, 18.56; July 31, 19.15. Dry, Aug. 29, Sept. 28, Oct. 28, Nov. 30, Dec. 28.

Gre-2. Formerly 13. W. F. Bell. In Boligee, at old mill site. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 21 N., R. 1 E. Drilled public-supply artesian flowing well in sand and gravel, diameter 3 inches, depth 560 feet, cased with standard steel casing. Land-surface datum is 117.13 feet above msl. Highest water level 18.59 above lsd, July 21, 1941; lowest 4.58 above lsd, Nov. 30, 1950. Records available: 1940-42, 1946-50. Pump installed July 31, 1950.

Water level above land-surface datum

Jan. 28	6.12	Apr. 27	5.88	Aug. 29	5.04	Nov. 30	4.58
Mar. 6	6.01	May 31	5.82	Sept. 28	5.04	Dec. 28	4.79
29	5.94	June 30	5.79	Oct. 28	4.83		

Mtg-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	112.59	Apr. 7	109.59	July 7	114.29	Oct. 6	112.29
13	112.59	14	108.59	14	113.09	13	113.39
20	111.39	21	109.59	21	113.99	20	112.39
27	113.09	28	109.09	28	114.99	27	112.79
Feb. 3	113.19	May 5	110.39	Aug. 4	114.49	Nov. 3	114.19
10	111.69	12	111.99	11	122.19	10	111.19
17	112.69	19	110.09	18	118.49	17	108.09
24	113.19	26	111.19	29	124.09	24	105.34
Mar. 3	112.09	June 2	112.79	Sept. 1	117.19	Dec. 1	111.89
10	110.79	9	110.29	8	113.79	8	106.89
17	109.89	16	111.99	15	114.09	16	109.29
24	108.49	23	113.59	22	115.99	22	108.99
31	108.59	30	121.40	29	110.89	29	106.69

Pickens County

Pic-1. Formerly P-1. H. M. Stapp. 1.5 miles northwest of Aliceville on Columbus road. Drilled stock artesian well in sand and gravel, diameter 4 inches, depth 560 feet, cased with standard steel casing to 560 feet. Land-surface datum is 173.56 feet above msl. Highest water level 2.13 below lsd, Apr. 20, 1948; lowest 4.90 below lsd, June 2, 1948. Records available: 1948-50.

Feb. 3	3.34	May 31	3.02	Aug. 29	3.83	Nov. 30	3.07
Mar. 15	2.55	June 30	4.61	Sept. 28	3.33	Dec. 28	2.74
31	2.51	July 31	3.61	Oct. 28	3.14		

Pic-2. Formerly P-2. M. D. Carr. 0.25 mile north of Carrollton on State Highway 17. Dug domestic water-table well in sand and gravel, diameter 36 inches, depth 32 feet, cased with concrete casing to 32 feet. Land-surface datum is 243.25 feet above msl. Highest water level 17.98 below lsd, Apr. 6, 1949; lowest 22.75 below lsd, Nov. 30, 1949. Records available; 1949-50. Measurement discontinued.

Feb. 13	21.38	Mar. 31	21.03	May 31	21.43	July 31	21.36
Mar. 15	20.82	May 12	21.07	June 30	21.90	Oct. 28	21.81

Pic-3. Formerly P-3. Reform Cotton Gin. At Reform, 0.25 mile east of railroad station on U. S. Highway 82. Drilled unused artesian well in sand and gravel, diameter 4 inches, depth 90 feet. Cased with standard steel casing to 31 feet. Land-surface datum is 230.13 feet above msl. Highest water level 3.21 below lsd, Apr. 20, 1948; lowest 6.46 below lsd, Nov. 5, 1948. Records available: 1948-50.

Feb. 13	3.97	May 31	4.34	Aug. 29	4.26	Nov. 30	4.11
Mar. 31	4.18	June 30	5.22	Sept. 28	4.45	Dec. 28	4.26
May 12	4.06	July 31	3.87	Oct. 28	4.06		

Tuscaloosa County

Tus-1. Formerly T-1. Gulf, Mobile & Ohio Railroad. At Duncanville on U. S. Highway 82, near railroad station, SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 24 N., R. 6 E. Dug domestic water-table well in sand and gravel, diameter 6 inches, depth 15 feet, cased with concrete casing to 15 feet. Land-surface datum is 190.95 feet above msl. Highest water level 5.09 below lsd, Mar. 9, 1948; lowest 8.22 below lsd, Nov. 14, 1948. Records available: 1948-50. Measurement discontinued.

Feb. 4	6.35	May 12	6.64	Aug. 1	6.65	Dec. 2	6.98
Mar. 16	6.14	June 2	6.96	30	7.54	28	6.78
29	6.42	July 3	7.15	Sept. 29	6.96		

Tus-2. Formerly T-2. C. Q. Bush. 8.5 miles southwest of Tuscaloosa on U. S. Highway 11. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 22 S., R. 11 W. Drilled domestic flowing artesian well in sand and gravel, diameter 4 inches, depth 275 feet, cased with standard steel casing to 107 feet. Land-surface datum is 132.11 feet above msl. Highest water level 8.75 above lsd, Apr. 20, 1948; lowest 6.40 above lsd, Nov. 5, 1948. Records available: 1948-50. Measurement discontinued.

Water level above land-surface datum

Feb. 28	7.50	Apr. 27	7.35	July 31	7.25	Sept. 28	7.00
Mar. 6	7.50	May 31	7.25	Sept. 1	7.25	Oct. 28	7.25
29	7.75						

Jackson County

Jac-1. Formerly J-28. Tennessee Valley Authority well TVA-28. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 4 S., R. 6 E. Dug unused water-table well in sand and gravel, diameter 8 inches, depth 16 feet. Land-surface datum is 641.88 feet above msl. Highest water level 1.64 below lsd, Feb. 26, 1944; lowest 13.86 below lsd, Nov. 1, 1948. Records available: 1936-41, 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	2.00	Apr. 5	3.55	July 1	6.75	Sept. 30	4.64
10	1.68	13	3.79	12	6.12	Oct. 7	4.90
18	1.82	21	4.62	19	5.83	14	6.04
26	3.02	26	4.92	26	4.48	22	6.22
Feb. 8	1.73	May 4	5.31	Aug. 1	4.90	Nov. 1	6.94
15	1.94	11	6.07	9	5.60	10	7.23
22	2.04	18	5.70	16	5.02	17	7.42
Mar. 1	2.94	25	5.41	25	5.14	24	7.55
8	3.34	June 1	5.74	31	4.58	Dec. 4	7.14
15	2.34	8	3.98	Sept. 7	4.47	13	6.92
23	3.12	15	5.55	15	4.60	22	7.59
29	3.08	22	5.73	22	4.53		

Lamar County

Lam-1. Formerly L-1. Measurement discontinued.

Macon County

Mac-1. Formerly M-1. Tuskegee Institute. On campus at side of school laundry, 200 feet from power plant. Drilled unused artesian well in sand and gravel, diameter 18-8 inches, depth 355 feet, cased with standard steel casing to 316 feet, screened from 316 to 356 feet. Equipped with recording gage. Land-surface datum is 436.47 feet above msl. Highest water level 61.85 below lsd, Sept. 20, 1949; lowest 94.00 below lsd, Nov. 14, 1950. Records available: 1948-50.

Jan. 3	63.65	Apr. 4	93.97	July 4	93.85	Oct. 3	93.75
10	62.60	11	93.93	11	93.90	10	93.65
17	66.30	18	93.94	18	93.65	16	93.65
24	87.25	25	92.61	25	93.55	24	93.53
31	92.99	May 2	92.73	Aug. 1	93.63	31	93.63
Feb. 7	93.29	9	93.75	8	93.62	Nov. 7	93.97
14	91.25	16	93.72	15	93.60	14	94.00
21	91.06	23	93.92	22	93.55	21	93.80
28	91.27	30	93.80	29	93.34	28	93.80
Mar. 7	92.31	June 6	93.75	Sept. 5	93.34	Dec. 5	93.65
14	93.45	13	93.75	12	93.40	12	93.70
21	93.31	20	93.70	19	93.53	19	93.35
28	90.62	27	93.65	26	93.55	26	93.90

Monroe County

Mon-1. Formerly Mo-1. City of Monroeville. In Monroeville, 50 feet northeast of old water tank, 50 feet east of ice plant. Drilled unused artesian well in limestone, diameter 10 inches, depth 120 feet, cased with standard steel casing. Land-surface datum is 413.60 feet above msl. Highest water level 48.04 below lsd, June 10, 1949; lowest 56.50 below lsd, Dec. 26, 1950. Records available: 1948-50.

Jan. 6	52.56	Feb. 24	54.01	Apr. 14	54.61	May 26	54.89
13	52.79	Mar. 3	54.15	21	54.61	June 2	55.00
20	53.10	10	54.35	28	54.63	Aug. 29	53.48
27	53.17	17	54.44	May 5	54.75	Sept. 19	55.08
Feb. 3	53.34	24	54.59	12	54.76	Dec. 21	56.43
10	53.54	31	54.61	19	54.82	26	56.50
17	53.81	Apr. 7	54.64				

Montgomery County

Mtg-1. Formerly 15. City of Montgomery well 15a. In Montgomery, at corner of Court and Chandler Sts. Drilled unused artesian well in sand and gravel, equipped with recording gage, diameter 8 inches, depth 639 feet, cased with standard steel casing. Land-surface datum is 164.50 feet above msl. Highest water level 106.89 below lsd, Dec. 8, 1950; lowest 134.19 below lsd, Sept. 3, 1948. Records available: 1940-41, 1946-50.

Interpretation of Water-Level Fluctuations

In previous annual water-level reports, the water levels and artesian pressures for wells equipped with recording gages in west, north, and central Florida were given as the daily highest and daily lowest water levels or artesian pressures in feet above or below land-surface datum. In this report, the water levels and artesian pressures for wells in west, north, and central Florida are given as the mean daily water level or artesian pressure in feet above or below land-surface datum. The exception to this is where the water levels or artesian pressures are substantially affected by pumping. In such wells the water levels and artesian pressures are given as the daily highest and daily lowest as heretofore.

In Florida west of the Suwannee River water levels and artesian pressures were lower in 1950 than in 1949 in all but one observation well. The largest declines occurred in Escambia County. The water level in Escambia County well 45 declined 3.6 feet during the year to reach in December the lowest level on record. This well is near the well field of the Florida Pulp and Paper Company at Cantonment, and its water level has progressively declined more than 24 feet since July 1941 when the paper mill first began pumping its wells. The water level in Escambia County well 46 declined continuously more than 9 feet during the year to reach in December the lowest level on record since 1944. This decline represents, in part, a recession from the high water levels reached in the well in 1948 and 1949. In other Escambia County observation wells, the water level declined from 0.5 to 2 feet during the year. In Okaloosa, Santa Rosa, Walton, Washington, and Wakulla Counties, water levels and artesian pressures were lower in 1950 than in 1949 except in Walton County well 19. The rise of the water level in well 19 probably was due to a decrease in pumping from the well. The artesian pressure in Bay County well 8 and the water level in Bay County well 10 declined less than 1 foot during the year. However, the water level in Bay County well 7, which is near the well field of the city of Panama City, continued its progressive decline. This water level in well 7 has declined more than 6 feet since measurements were begun in 1946, and at the end of 1950 it was more than 24 feet below sea level. It has been lowered by the pumping of the Southern Kraft Division of the International Paper Co. and the city of Panama City.

The water level in Gulf County well 30, which is near the well field of the St. Joe Paper Co. at Port St. Joe, was more than 4 feet lower in 1950 than in 1949. In response to the pumping of about 8 million gallons of water per day from the well field, its water level has been lowered nearly 10 feet since records began in 1946. The water level fluctuates over a wide range owing to changes in the rate of pumping from the well field of the St. Joe Paper Co. The water levels in observation wells in Leon County were more than 5 feet lower in 1950 than in 1949. The water levels in wells 5, 7, 36, and 66 declined generally throughout the year to reach, in December, the lowest levels on record since 1945. The water levels in Taylor County wells 35 and 36 were, on the average, more than 2 feet lower in 1950 than in 1949. In December, the water levels in these wells reached the lowest levels on record since measurements were begun in 1946. The water levels in these wells respond quickly to local rainfall.

The water levels and artesian pressures in all observation wells in north Florida were lower in 1950 than in 1949. In 41 of the 48 observation wells, the water levels and artesian pressures were the lowest on record. In all observation wells in Nassau and Duval Counties, except Nassau County well 34, the water levels and artesian pressures reached the lowest levels on record since measurements were begun in 1939 or 1940. The lowest levels generally occurred in August or September. The water levels and artesian pressures in Nassau County ranged from 2 to 14 feet lower in 1950 than in 1949. In Duval County they ranged from 1 to nearly 4 feet lower. Heavy withdrawals have lowered the artesian pressure extensively in Nassau and Duval Counties. The pressure in Nassau County well 34, which is near the well field of Rayonier, Inc., at Fernandina, has been lowered nearly 60 feet since measurements were begun in 1939, owing to the withdrawal of about 30 million gallons of water per day by Rayonier, Inc. The water level in this well was more than 10 feet below sea level on November 1, the lowest level that has been observed since 1941. In observation wells in Clay and Saint Johns Counties, the artesian pressures ranged from 6 inches to 3.5 feet lower in 1950 than in 1949, and in 8 of the 13 observation wells, the pressures were the lowest on record. Measurements on most of these wells were begun in 1940. In Flagler and Putnam Counties, the water levels and artesian pressures were about 6 inches lower in 1950 than in 1949. The water level in Columbia County well 9 at Lake City declined more than 3 feet during 1950. This water level has declined nearly 10 feet since measurements were begun on May 5, 1948, owing, in part, to a recession from the exceptionally high water level that occurred early in 1948.

The water levels and artesian pressures in 15 of the 17 observation wells in Brevard, Volusia, Lake, and Marion Counties were lower in 1950 than in 1949. Generally, the artesian pressures and the water levels were about 6 inches lower; the lowest water levels and pressures of the year were recorded in the summer months. The water level in Orange County well 47 fluctuates rapidly in response to local rainfall. It declined from the beginning of the year to the last part of August, after which rainfall caused it to rise. In August the water level was the lowest on record since 1945. Centered around Polk County is a large area of recharge to the artesian beds. Consequently, the water levels in wells in this area respond rapidly to local rainfall which recharges artesian water-bearing formations through sinkholes. The water level

FLORIDA

By Howard Klein and William E. Clark

Scope of Water-Level Program

The observation-well program in Florida was continued in 1950 in cooperation with the State Geological Survey and with several counties and cities of the State. The program is part of a cooperative investigation of the ground-water resources of Florida, which was begun in some parts of the State as early as 1930. An intensive investigation in southern Florida, begun in 1939, is being conducted in cooperation with Dade County, Central and Southern Florida Flood Control District, and the cities of Miami and Miami Beach. Other cooperating agencies include Hillsborough, Manatee, and Pinellas Counties, the cities of Fort Lauderdale and Pensacola, and the Santa Rosa Island Authority. During the year, a report entitled "Ground Water in Florida" by H. H. Cooper, Jr. and V. T. Stringfield was published as Information Circular No. 3 by the Florida Geological Survey. Two manuscripts, "Geologic and hydrologic features of an artesian submarine spring east of Florida" by V. T. Stringfield and H. H. Cooper, Jr., and "Economic aspects of ground water in Florida" were completed for publication. Under preparation were reports of investigations in Pinellas and Brevard Counties, on the Fair Point Peninsula in Santa Rosa County, and of the cessation of flow of Kissengen Spring in Polk County. Investigations of the ground-water resources in Hillsborough and Manatee Counties were begun in 1950. Fifteen additional recording gages were installed during the year and at the close of 1950, the program included 404 wells, 99 of which were equipped with recording gages. More than 4,200 periodic measurements of water levels and artesian pressures were made in the State during the year.

Occurrence of Ground Water

In Florida north of Lake Okeechobee the source of water for most cities, industries, farms, citrus groves, and rural homes is obtained from a highly productive and extensive aquifer consisting of the Ocala limestone and other limestones and dolomites of Eocene, Oligocene, and Miocene ages. At most places this aquifer is overlain by a thick section of younger materials that include relatively impervious beds which confine the water under artesian pressure. The water is under sufficient pressure to rise above the land surface over roughly one-half the State, including a band about 20 miles wide along the east coast, all the area south of Lake Okeechobee, the Kissimmee River valley, and other areas. Shallow aquifers supply most of the water used in southern Florida and at some places along the east coast south of Duval County, where the artesian water is too highly mineralized for general use. They are also the principal source of supply in Escambia County. These aquifers are composed of limestone, sand, shell marl, and coquina, and range in age from Miocene to Pleistocene. Among them is the Tamiami formation in south Florida, one of the most highly permeable aquifers in the world. Generally, however, the shallow aquifers are less permeable and less productive than the deeper limestone aquifer.

Precipitation

According to the summary of the U. S. Weather Bureau for the year 1950, this year was the driest in Florida since 1943. The average precipitation for the State was 48.48 inches, 4.89 inches below normal. The 22.60 inches at Captiva, in Charlotte County, was the lowest, and the 66.25 inches at Brooksville, in Hernando County, was the highest. Of the 60 stations reporting departures from normal, only 19 reported above-normal precipitation for 1950, the greatest above-normal departure being 12.29 inches at Glen Saint Mary in Baker County. The greatest deficiency was 22.06 inches at Saint Marks in Wakulla County. The driest month of the year was January. Generally, drought conditions were most severe in the southwest and southern parts of the State. The largest percentage of the total annual rainfall in south Florida usually occurs during the months of August through October, which is also the period when hurricanes usually occur. The following list shows the distribution of total rainfall for selected areas in south Florida during 1950:

West Palm Beach, Palm Beach County	52 inches
Everglades, Collier County	49 inches
Fort Lauderdale, Broward County	55 inches
Fort Myers, Lee County	36 inches
Homestead, Dade County	56 inches
Miami, Dade County	45.5 inches
Loxahatchee, Palm Beach County	56 inches

in Polk County well 44 was only slightly lower in 1950 than in 1949 owing to the only slightly below-normal rainfall in this region. The water level in Polk County well 45 declined more than 8 feet from the beginning of the year to May 13 and rose generally about 5 feet to the end of the year. The water level in this well is doubtless affected by pumping. In observations wells in Pinellas County, the water levels were only slightly lower in 1950 than in 1949. Generally, the lowest water levels were reached in the spring, and the highest in the autumn. The water levels in Manatee County well 92 and Sarasota County wells 5 and 9 are not appreciably affected by local rainfall. Records of the water levels in these wells indicate that the general water level is declining progressively, but very slowly, probably owing to a gradual increase in withdrawals. The decline has been about 3 feet since 1941 in Manatee County well 92, and about 5 feet since 1930 in Sarasota County well 9. The water level in these wells reached the lowest level on record in May.

In southern Florida during 1950 ground-water levels as compared with 1949 were slightly lower in the Miami, Homestead, Fort Lauderdale, and Fort Myers areas, and nearly 1 foot lower than 1949 in the lower Everglades. As a result of unequal distribution of rainfall during the year, the lowest water levels usually occur in May or June and the highest in September or October. In Broward County, water levels in 1950 were slightly lower than last year and about 0.5 foot to 1 foot below normal. In Dade County, ground-water levels in 1950 ranged from about the same to more than 1 foot lower than last year, and in a few areas water levels during September and October were the lowest of record for these months. Water levels and artesian pressures in Lee County were slightly lower in 1950 as compared with 1949 while in Palm Beach County water levels were about 0.5 foot higher. Ground-water levels in the surficial sands of the Kissimmee Valley area, which includes most of Highlands, Okeechobee, Osceola, and Polk Counties were generally slightly lower to as much as 1 foot lower than in 1949 except for a few local areas where water levels were slightly higher. The following table shows comparative water levels for selected wells in Florida.

Average annual water level or artesian pressure, in feet, above mean sea level

Well no.	County and Area	Year								Average through 1950
		1943	1944	1945	1946	1947	1948	1949	1950	
S 329	Broward Fort Lauderdale	3.70	3.20	2.50	3.80	5.45	4.10	3.80	3.70	3.87
F 210	Dade Miami	1.35	1.20	1.05	1.40	2.30	1.45	1.55	1.45	1.47
G 72	Dade Lower Everglades	4.45	4.60	3.75	4.80	6.15	5.70	5.40	4.75	5.00
S 196	Dade Homestead	3.00	2.65	2.10	3.30	3.85	3.65	3.35	2.85	a3.50
62 - A	Escambia Pensacola	1.6	2.6	2.0	2.8	2.8	2.9	2.8	1.80	2.40
246	Lee Fort Myers	.....	.....	16.65	16.90	17.10	15.50	15.15	15.05	16.05
5	Leon Tallahassee	23.5	24.6	21.5	26.5	27.1	33.6	27.1	23.60	b24.70
92	Manatee Bradenton	42.4	42.0	41.4	42.2	42.4	42.2	40.6	39.60	41.60
5	Marion Ocala	48.3	47.7	48.6	50.3	50.6	52.00	51.1	50.10	c49.40
88	Palm Beach Lake Worth	.....	.....	7.25	7.65	9.85	9.65	7.10	7.70	8.20

a Based on 18 years of record.

b Based on 19 years of record.

c Based on 17 years of record.

Well-Numbering System

Observation wells in Florida are generally numbered consecutively by counties. Exceptions to this are well numbers that have a letter prefix or suffix. In Broward and Dade Counties, the letter prefixes, G, S, and F, denote U. S. Geological Survey well, supply well, and fire well, respectively. In Polk, Orange, and Escambia Counties, a letter suffix denotes a shallow well near a deeper well having the corresponding number of the shallow well without the letter suffix.

Errata

After publication of "Water Levels and Artesian Pressures in wells in Southeastern States" for 1947, errors were found in the data for Nassau County well 22. Given in the following table are measurements of the artesian pressures in this well as they should have appeared. Unless figures are given below, the measurements were correct as originally published.

Errata, Cont'd.

Nassau County well 22

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1940	+2.64	July 1, 1944	+15.2	July 6, 1944	+17.7	July 11, 1944	+7.5
29	3.41	2	16.0	7	17.3	12	6.8
June 28, 1944	9.2	3	16.9	8	16.0	Aug. 2, 1945	4.4
29	12.6	4	17.3	9	11.3	8	4.64
30	15.6	5	17.4	10	8.8	Dec. 5, 1946	7.34

Well Descriptions and Water-Level Measurements

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

Bay County

7. City of Panama City. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 3 S., R. 15 W., at Clay and 11th Sts, St. Andrews. Records available: 1946-50.

Weekly high and low water levels from recorder graph

Week ending	High	Low	Week ending	High	Low	Week ending	High	Low
Jan. 7	46.91	47.37	Apr. 15	47.48	47.66	Aug. 12	51.21	51.49
14	47.05	47.28	22	47.38	47.62	19	51.49	51.85
21	47.09	47.28	29	47.29	47.56	Oct. 14	51.05	51.17
28	47.28	47.35	May 6	47.28	47.55	21	50.84	51.28
Feb. 4	46.77	47.30	13	47.55	48.15	28	50.78	50.96
11	47.01	47.26	20	48.15	48.45	Nov. 4	50.69	50.92
18	47.04	47.52	27	48.45	49.14	11	50.88	51.05
25	47.10	47.52	June 3	49.14	49.84	18	50.78	50.88
Mar. 4	47.41	47.64	10	49.84	50.16	25	50.57	50.77
11	47.27	47.62	17	50.16	50.40	Dec. 2	50.62	50.85
18	47.28	47.55	24	50.75	52.30	9	50.56	50.65
25	47.27	47.49	July 1	52.30	53.48	16	50.48	50.57
Apr. 1	47.05	47.69	Aug. 5	51.20	51.21	23	50.48	50.64
8	47.29	47.69						

8. Hunt Oil Co. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 2 S., R. 14 W. In Southport, 455 feet south of old railroad depot near Fanning Bayou. Records available: 1947-50. Jan. 30, +1.61; Mar. 20, +1.77; May 1, +1.71; June 19, +1.48; Aug. 14, +1.60; Oct. 3, +1.62; Nov. 13, +1.18.

10. L. R. Pierson. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 3 S., R. 14 W., at Leisure Lodge. Records available: 1946-50. Jan. 30, 8.12; Mar. 20, 7.23; May 1, 6.76; June 19, 7.91; Aug. 14, 7.71; Oct. 3, 7.55; Nov. 13, 8.67.

Brevard County

(All water-level measurements are above land-surface datum.)

19. R. M. Wall. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 28 S., R. 36 E. About 40 feet north of State Highway 500, 30 feet west of St. Johns River bridge. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	27.7	Apr. 20	28.3	Aug. 1	26.9	Nov. 3	28.5
Mar. 10	27.1	June 8	27.3	Sept. 22	28.0	Dec. 21	28.0

20. Marion Platt. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, T. 29 S., R. 36 E. About 10 feet south of State Highway 514. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	26.7	Apr. 20	25.8	Aug. 1	25.0	Nov. 3	26.3
Mar. 10	25.5	June 8	25.2	Sept. 22	25.6	Dec. 21	26.1

79. C. W. Carlisle. About 1.6 miles northeast of Scottsmoor, about 12 feet east of shell road. Records available: 1946-50.

79--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	5.20	Apr. 20	3.64	Aug. 1	1.56	Nov. 3	5.31
Mar. 10	3.94	June 8	2.99	Sept. 22	3.86	Dec. 21	5.68

148. W. P. Warren. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 24 S., R. 36 E., about 60 feet south of State Highway 520. Records available: 1946-50.

Jan. 19	12.0	Apr. 20	11.4	Aug. 1	7.7	Nov. 3	12.2
Mar. 10	11.2	June 8	9.3	Sept. 22	10.6	Dec. 21	12.1

159. H. R. Jacobsen. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 22 S., R. 37 E. Records available: 1946-47, 1949-50.

Jan. 19	15.9	Apr. 20	15.2	Aug. 1	13.7	Nov. 3	16.3
Mar. 10	14.2	June 8	14.0	Sept. 22	14.0	Dec. 21	15.7

Broward County

F291. City of Hollywood. In Hollywood. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 51 S., R. 42 E. Records available: 1948-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.20	7.67	8.28	8.34	8.10	8.28	8.45	8.08	7.18	6.68	6.05	6.06
2	6.24	7.70	8.29	8.35	8.13	8.20	8.37	8.10	7.22	6.66	6.09	6.11
3	6.33	7.77	8.30	8.36	8.16	8.19	8.36	8.12	7.13	6.66	6.11	6.20
4	6.40	7.80	8.31	8.39	8.18	8.18	8.32	8.17	7.08	6.67	6.08	6.26
5	6.47	7.82	8.32	8.02	8.21	8.21	8.27	8.18	7.07	6.51	6.09	6.34
6	6.51	7.86	8.32	7.77	8.24	7.92	....	8.21	7.04	6.38	6.16	6.40
7	6.56	7.88	8.34	7.67	8.26	7.86	8.25	8.06	7.04	6.27	6.21	6.41
8	6.62	7.92	8.35	7.61	8.31	7.82	8.15	7.68	7.06	6.20	6.26	6.44
9	6.69	7.94	8.36	7.58	8.35	7.80	8.05	7.50	7.11	6.18	6.31	6.48
10	6.74	7.97	8.38	7.58	8.39	7.80	7.95	7.39	7.15	6.18	6.33	6.50
11	6.80	7.98	8.39	7.60	8.40	7.81	7.87	7.33	7.21	6.21	6.32	6.58
12	6.90	7.99	8.40	7.62	8.45	7.83	7.83	7.26	7.22	6.26	6.34	6.59
13	6.92	8.02	8.42	7.64	8.46	7.87	7.81	7.23	7.26	6.33	6.41	6.63
14	6.98	8.04	8.42	7.66	8.47	7.91	....	7.23	7.26	6.05	6.46	6.70
15	7.02	8.06	8.24	7.69	8.49	7.96	....	7.25	7.28	5.92	6.48	6.75
16	7.07	8.08	8.22	7.71	8.51	7.99	....	7.26	7.08	5.88	6.51	6.79
17	7.12	8.10	8.24	7.74	8.52	8.01	....	7.28	6.92	5.73	6.54	6.82
18	7.17	8.11	8.22	7.78	8.53	8.03	....	7.28	6.82	5.08	6.54	6.86
19	7.22	8.12	8.11	7.79	8.55	8.08	....	7.32	6.78	5.06	6.55	6.90
20	7.24	8.15	8.06	7.82	8.54	8.11	7.83	7.32	6.78	5.13	6.57	6.94
21	7.26	8.16	8.04	7.87	8.56	8.14	7.82	7.36	6.80	5.24	6.60	6.99
22	7.28	8.20	8.06	7.90	8.51	8.17	7.81	7.38	6.76	5.36	6.64	7.02
23	7.34	8.19	8.11	7.94	8.47	8.21	7.82	7.38	6.72	5.47	6.67	7.04
24	7.36	8.20	8.14	7.97	8.43	8.25	7.86	7.42	6.73	5.54	6.24	7.06
25	7.42	8.20	8.17	8.06	8.42	8.28	7.84	7.44	6.76	5.62	5.68	7.11
26	7.46	8.20	8.21	8.04	8.44	8.32	7.89	7.36	6.81	5.70	5.64	7.16
27	7.51	8.24	8.28	8.04	8.44	8.36	7.92	7.16	6.85	5.76	5.68	7.20
28	7.54	8.26	8.32	8.05	8.44	8.38	7.95	7.13	6.68	5.85	5.76	7.24
29	7.57	....	8.36	8.07	8.47	8.40	7.98	7.11	6.66	5.92	5.88	7.29
30	7.60	....	8.32	8.09	8.48	8.43	8.01	7.12	6.66	6.01	5.98	7.30
31	7.64	....	8.32	....	8.44	....	8.05	7.15	....	6.09	....	7.08

G221. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec 18, T. 50 S., R. 42 E. Records available: 1946-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.37	12.39	13.55	13.89	13.99	13.99	14.38	....	12.32	11.33	10.31	11.41
2	10.35	12.46	13.61	13.93	14.09	13.93	14.39	....	12.32	11.28	10.32	11.45
3	10.35	12.50	13.62	14.07	14.10	13.93	14.29	14.04	12.28	11.21	10.30	11.52
4	10.30	12.57	13.68	13.99	14.18	....	14.27	....	12.23	11.20	10.37	11.76
5	10.59	12.63	13.72	13.83	14.24	....	14.16	14.04	12.21	....	10.34	11.69
6	11.09	12.65	13.73	13.65	14.25	13.87	14.10	14.09	12.20	11.11	10.44	11.75
7	11.17	12.72	13.81	13.44	14.28	13.83	13.90	13.87	12.18	10.94	10.51	11.77
8	10.81	12.79	13.83	13.36	14.30	13.79	13.87	13.55	12.23	10.73	10.63	11.77

G221--Continued.

Daily highest water level, from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
9	11.02	12.85	13.82	13.33	14.39	13.77	13.72	13.37	12.27	10.71	10.76	11.76
10	11.06	12.90	13.83	13.29	14.41	.....	13.63	13.33	12.31	.....	10.76	11.79
11	11.13	12.96	13.88	.....	14.42	.....	13.52	13.35	12.36	10.76	10.85	11.81
12	11.25	.....	13.88	13.31	14.42	.....	13.49	13.04	12.46	.....	10.94	11.87
13	11.33	13.03	13.91	13.37	14.43	13.83	13.48	12.95	12.45	10.97	10.98	.....
14	11.38	13.09	13.91	13.42	14.41	13.85	13.38	12.92	12.53	10.99	11.05	.....
15	11.44	13.11	.....	13.46	14.38	13.86	13.32	12.90	12.56	10.87	11.17	.....
16	11.51	13.19	13.94	13.46	14.39	14.07	13.30	12.87	12.48	10.85	11.19	12.08
17	11.57	13.20	.....	13.47	14.34	.....	13.32	12.85	12.33	10.13	11.19	12.13
18	11.53	13.26	13.96	13.56	14.35	.....	13.29	12.84	12.25	9.99	11.27	12.17
19	11.63	13.29	13.85	13.63	14.39	14.13	13.38	12.85	12.25	9.67	11.31	12.21
20	11.69	13.32	13.81	13.73	14.43	14.18	13.41	12.81	12.30	9.62	11.37	12.28
21	11.68	13.37	13.81	13.77	14.54	14.17	13.36	12.78	12.33	9.65	11.45	12.35
22	11.75	13.41	13.85	13.78	14.36	.....	13.36	12.81	12.37	9.65	11.50	12.40
23	11.75	13.42	13.87	13.81	14.26	.....	13.41	12.80	12.30	9.55	11.58	12.51
24	11.81	13.40	14.12	13.84	14.15	.....	13.56	12.79	12.29	9.53	11.43	12.53
25	11.87	13.36	13.98	13.90	14.11	.....	.....	12.78	12.33	9.61	11.16	.....
26	11.95	13.56	13.99	13.86	14.07	.....	.....	12.71	12.38	9.73	11.10	12.59
27	12.02	13.63	13.99	13.89	14.21	.....	.....	12.55	12.33	9.86	11.07	.....
28	12.12	13.53	14.05	13.89	14.21	.....	.....	12.45	11.83	9.97	11.09	.....
29	12.35	.....	13.99	13.92	14.20	.....	13.76	12.41	11.63	10.06	11.15	12.79
30	12.37	.....	13.97	13.97	14.20	14.38	13.85	12.34	11.41	10.16	11.21	12.81
31	12.49	.....	13.94	.....	14.02	.....	13.87	12.32	.....	10.27	.....	12.79

G512. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 50 S., R. 41 E. Records available: 1947-50. Mar. 22, 10.40; June 14, 10.48; Nov. 7, 8.92.

G513. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 50 S., R. 41 E. Records available: 1947-50. Mar. 22, 4.55; June 14, 5.20; Nov. 7, 3.78.

G514. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 50 S., R. 42 E. Records available: 1947-50. Mar. 22, 4.00; June 14, 4.30; Nov. 7, 2.88.

G515. U. S. Geol. Survey. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 50 S., R. 41 E. Records available: 1947-50. Mar. 22, 6.22; June 14, 6.26; Nov. 7, 3.65.

G516. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 50 S., R. 42 E. Records available: 1947-50. Mar. 22, 5.39; June 14, 5.12; Nov. 7, 2.06.

G561. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 50 S., R. 42 E. Records available: 1948-50.

Daily highest water level, from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.68	7.04	7.42	7.31	7.31	7.23	7.62	7.38	6.05	5.24	5.56	5.60
2	4.86	7.07	7.44	7.32	7.32	7.21	7.50	7.39	6.15	5.36	5.52	5.69
3	5.01	7.12	7.46	7.33	7.33	7.26	7.48	7.42	6.17	5.42	5.55	5.77
4	5.15	7.09	7.43	7.35	7.36	7.29	7.25	7.38	6.01	5.44	5.45	5.85
5	5.30	7.08	7.42	7.38	7.38	7.36	7.16	7.40	6.10	5.14	5.50	5.94
6	5.42	7.13	7.47	6.22	7.42	7.19	7.13	7.44	5.97	5.01	5.59	6.01
7	5.52	7.13	7.42	6.20	7.46	7.12	7.23	6.30	6.02	4.92	5.65	6.05
8	5.63	7.13	7.42	6.31	7.52	7.06	7.27	5.93	6.09	4.98	5.70	6.07
9	5.72	7.14	7.47	6.40	7.56	7.05	7.03	5.73	6.18	5.14	5.73	6.09
10	5.82	7.13	7.49	6.50	7.59	7.09	6.94	5.71	6.22	5.26	5.75	6.12
11	5.90	7.13	7.51	6.59	7.64	7.15	6.87	5.88	6.29	5.37	5.76	6.18
12	5.99	7.14	7.52	6.67	7.65	7.23	6.86	5.91	6.32	5.48	5.79	6.22
13	6.07	7.16	7.53	6.72	7.66	7.26	6.96	5.88	6.36	5.58	5.85	6.27
14	6.13	7.18	7.55	6.78	7.68	7.34	7.01	6.03	6.41	5.20	5.90	6.31
15	6.20	7.21	7.15	6.80	7.73	7.39	7.00	6.12	6.33	5.09	5.96	6.36
16	6.26	7.24	7.14	6.83	7.75	7.41	7.05	6.14	5.40	5.01	5.98	6.38
17	6.34	7.28	7.19	6.85	7.54	7.40	7.06	6.16	5.04	4.65	6.02	6.42
18	6.41	7.28	7.22	6.89	7.63	7.40	7.11	6.20	5.26	3.95	6.06	6.47
19	6.48	7.28	7.05	6.94	7.66	7.45	7.14	6.23	5.45	4.23	5.99	6.52
20	6.54	7.29	7.03	6.98	7.62	7.47	7.15	6.10	5.60	4.39	6.08	6.56
21	6.61	7.30	7.01	7.04	7.68	7.48	7.16	6.19	5.72	4.55	6.12	6.60
22	6.63	7.31	7.11	7.12	7.69	7.51	7.16	6.26	5.83	4.67	6.17	6.63
23	6.67	7.31	7.15	7.15	7.49	7.59	7.20	6.28	5.76	4.79	6.19	6.65
24	6.70	7.32	7.21	7.22	7.43	7.62	7.26	6.21	5.87	4.88	5.05	6.69
25	6.75	7.35	7.26	7.25	7.41	7.65	7.17	6.32	4.94	4.98	4.64	6.72

G561--Continued.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	6.78	7.37	7.32	7.27	7.38	7.70	7.25	6.13	6.01	5.08	4.88	6.77
27	6.84	7.40	7.38	7.20	7.39	7.69	7.27	5.65	6.06	5.18	5.07	6.77
28	6.87	7.41	7.45	7.25	7.41	7.51	7.30	5.61	4.95	5.26	5.24	6.79
29	6.88		7.48	7.27	7.44	7.47	7.30	5.72	5.02	5.36	5.37	6.79
30	6.95		7.23	7.30	7.40	7.53	7.31	5.83	5.11	5.43	5.55	6.78
31	6.95		7.32		7.33		7.35	5.93		5.52		6.59

S329. Fort Lauderdale. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 50 S., R. 41 E. Records available: 1940-50

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.02	5.86	6.43	6.46	6.73	6.39	7.05	6.76	5.20	3.94	3.39	4.42
2	2.88	5.94	6.49	6.46	6.82	6.34	7.01	6.83	5.22	4.00	3.27	4.47
3	3.33	5.94	6.49	6.54	6.83	6.32	6.92	6.90	5.14	3.90	3.38	4.50
4	3.23	5.65	6.54	6.59	6.90	6.31	6.87	7.02	5.02	3.73	3.27	4.57
5	3.30	5.68	6.59	6.38	6.93	6.30	6.80	6.86	5.00	3.49	3.46	4.64
6	3.40	5.70	6.59	5.98	6.96	6.28	6.72	6.78	4.98	3.52	3.58	4.71
7	3.52	5.76	6.67	5.78	6.99	6.24	6.48	6.47	4.96	3.42	3.65	4.73
8	3.54	5.82	6.69	5.73	7.00	6.22	6.36	6.06	5.04	3.52	3.73	4.74
9	3.68	5.86	6.67	5.73	7.11	6.24	6.25	5.79	5.29	3.68	3.84	4.79
10	3.80	5.89	6.68	....	7.16	6.25	6.11	5.66	5.38	3.80	3.92	4.83
11	3.88	5.94	6.70	....	7.14	6.28	5.98	5.59	5.47	3.92	4.00	4.88
12	3.92	5.86	6.71	5.97	7.16	6.27	5.95	5.55	5.51	4.02	4.06	4.97
13	4.01	5.94	6.74	6.01	7.21	6.43	5.90	5.52	5.56	4.20	4.10	5.07
14	4.09	6.00	6.70	6.06	7.23	6.52	5.90	5.51	5.57	3.60	4.17	5.17
15	4.18	6.02	6.54	6.12	7.22	6.52	....	5.59	5.48	3.48	4.20	5.20
16	4.31	6.10	6.45	6.14	7.22	6.68	5.90	5.53	5.34	3.15	4.24	5.14
17	....	6.11	6.42	6.18	7.13	6.72	5.93	5.67	5.16	1.90	4.30	5.18
18	4.42	6.14	6.40	6.26	7.09	6.76	5.92	5.68	5.12	2.22	4.36	5.20
19	4.51	6.18	6.42	6.32	7.16	6.71	5.96	5.68	5.17	2.07	4.42	5.26
20	4.79	6.22	6.39	6.42	7.17	6.82	5.99	5.47	5.19	2.34	4.47	5.32
21	4.88	6.26	6.47	6.44	7.19	6.86	6.08	5.45	5.42	2.60	4.52	5.36
22	4.95	6.30	6.50	6.48	7.01	6.90	6.08	5.43	5.42	2.22	4.56	5.42
23	5.03	6.32	6.60	6.51	6.86	6.97	6.14	5.44	5.22	1.90	4.62	5.44
24	5.08	6.28	6.60	6.54	6.69	....	6.19	5.45	5.27	2.22	4.09	5.45
25	5.17	6.38	6.65	6.65	6.60	7.12	6.24	5.26	5.42	2.60	3.99	5.48
26	5.24	....	6.70	6.62	6.57	7.12	6.28	5.43	5.12	2.80	3.98	5.52
27	5.34	....	6.73	6.64	6.51	7.17	6.34	5.18	4.82	3.08	4.02	5.58
28	5.32	6.42	6.80	6.64	6.54	7.14	6.42	5.03	4.32	3.20	4.04	5.63
29	5.37		6.71	6.66	6.55	7.13	6.51	5.02	4.28	3.31	4.16	5.68
30	5.43		6.62	6.71	6.54	7.06	6.61	5.04	3.92	3.44	4.26	5.65
31	5.76		6.53		6.47		6.70	5.14		3.54		5.64

S330. Florida Power & Light Co. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 50 S., R. 42 E. Records available: 1940-41, 1943-50. Mar. 23, 2.81; June 15, 2.50; Nov. 8, 1.44.Citrus County13. A. Charles Yonley. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 17 S., R. 19 E., 0.2 mile south of Stokes Ferry. Drilled unused test well, diameter 3 inches, depth 113 feet. Measurements prior to May 1950 supplied by U. S. Engineering Dept. Records available: 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov., 1935	2.9	Jan., 1937	5.3	Feb., 1938	3.4	Mar., 1939	5.2
Dec.	3.6	Feb.	4.6	Mar.	3.8	Apr.	5.8
Jan., 1936	3.4	Mar.	5.0	Apr.	4.4	May	5.8
Feb.	1.8	Apr.	3.4	May	5.3	June	4.0
Mar.	1.6	May	4.4	June	3.4	July	2.4
Apr.	2.6	June	5.1	July	1.6	Aug.	.8
May	3.6	July	4.7	Aug.	2.3	Sept.	1.4
July	3.0	Aug.	4.4	Sept.	3.7	Oct.	.8
Aug.	3.1	Sept.	.8	Oct.	1.9	Nov.	2.5
Sept.	3.9	Oct.	.9	Nov.	1.8	Dec.	3.2
Oct.	3.8	Nov.	2.2	Dec.	3.5	Jan., 1940	3.6
Nov.	4.5	Dec.	2.0	Jan., 1939	4.2	Feb.	3.9
Dec.	4.8	Jan., 1938	2.6	Feb.	4.6	Mar.	3.4

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Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr., 1940	3.8	Oct., 1942	2.5	Apr., 1945	5.6	Jan., 1948	2.6
May	4.3	Nov.	3.5	May	6.5	Feb.	1.9
June	4.9	Dec.	4.1	June	7.0	Mar.	1.6
July	4.4	Jan., 1943	4.5	July	5.3	Apr.	1.9
Aug.	2.3	Feb.	4.9	Aug.	2.6	May	3.1
Sept.	2.7	Mar.	4.7	Sept.	+ .4	June	4.3
Oct.	1.7	Apr.	5.4	Oct.	.0	July	3.6
Nov.	4.7	May	5.3	Nov.	1.3	Aug.	2.2
Dec.	5.5	June	5.4	Dec.	2.4	Sept.	+ .2
Jan., 1941	5.3	July	2.7	Jan., 1946	1.7	Oct.	+ .3
Feb.	4.8	Aug.	.5	Feb.	2.1	Nov.	1.6
Mar.	4.2	Sept.	.1	Mar.	1.5	Dec.	2.4
Apr.	2.7	Oct.	1.2	Apr.	2.1	Jan., 1949	2.9
May	3.7	Nov.	2.5	July	3.1	Feb.	3.0
June	4.8	Dec.	3.6	Aug.	2.2	Mar.	3.8
July	3.9	Jan., 1944	4.1	Sept.	2.6	Apr.	2.7
Aug.	4.1	Feb.	4.2	Oct.	1.0	May	4.5
Sept.	5.0	Mar.	4.7	Nov.	2.3	June	5.3
Oct.	5.5	Apr.	4.0	Jan., 1947	4.1	July	3.5
Nov.	4.2	May	4.7	Feb.	4.5	Aug.	2.7
Dec.	4.5	June	5.9	Mar.	3.6	Sept.	1.8
Jan., 1942	3.6	July	5.5	Apr.	2.4	Oct.	1.0
Feb.	4.5	Aug.	3.5	May	3.2	Nov.	1.3
Mar.	3.4	Sept.	3.4	June	4.0	Dec.	1.4
Apr.	3.2	Oct.	3.9	July	3.9	Jan. 17, 1950	2.7
May	4.2	Nov.	2.8	Aug.	2.1	Feb. 6	3.3
June	4.9	Dec.	3.6	Sept.	1.4	Mar. 3	3.9
July	2.8	Jan., 1945	3.1	Oct.	1.2	Apr. 6	4.0
Aug.	1.0	Feb.	4.0	Nov.	1.3	June 6	5.26
Sept.	1.1	Mar.	4.8	Dec.	2.0	Nov. 27	1.40

15. Charles Rush. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 17 S., R. 18 E., 1.5 miles southwest of Dunnello about 0.5 mile south of State Highway 488. Drilled domestic well, diameter 3 inches, depth 82 feet. Measurements prior to May 1950 supplied by U. S. Engineering Dept. Records available: 1935-50.

Nov., 1935	12.7	Sept., 1938	12.0	June, 1941	15.6	Mar., 1944	15.6
Dec.	13.0	Oct.	11.4	July	14.7	Apr.	15.8
Jan., 1936	14.1	Nov.	10.9	Aug.	13.6	May	16.2
Feb.	12.6	Dec.	11.3	Sept.	14.1	June	16.7
Mar.	12.6	Jan., 1939	12.0	Oct.	14.5	July	17.0
Apr.	13.0	Feb.	12.6	Nov.	12.4	Aug.	16.0
May	13.5	Mar.	13.1	Dec.	12.3	Sept.	15.4
July	12.5	Apr.	13.8	Jan., 1942	10.9	Oct.	15.9
Aug.	12.9	May	14.2	Feb.	11.2	Nov.	14.5
Sept.	12.2	June	14.1	Mar.	11.1	Dec.	15.0
Oct.	11.9	July	11.9	Apr.	10.8	Jan., 1945	15.3
Nov.	12.6	Aug.	9.9	May	11.4	Feb.	15.3
Dec.	13.1	Sept.	10.1	June	11.9	Mar.	15.9
Jan., 1937	13.7	Oct.	9.8	July	10.8	Apr.	16.5
Feb.	13.9	Nov.	10.7	Aug.	10.1	May	17.3
Mar.	13.8	Dec.	11.2	Sept.	10.3	June	17.9
Apr.	12.5	Jan., 1940	11.8	Oct.	10.9	July	17.9
May	13.2	Feb.	12.5	Nov.	11.5	Aug.	16.4
June	13.8	Mar.	12.3	Dec.	12.2	Sept.	13.2
July	14.2	Apr.	13.0	Jan., 1943	12.8	Oct.	13.1
Aug.	14.0	May	13.0	Feb.	13.3	Nov.	13.6
Sept.	9.3	June	13.8	Mar.	13.9	Dec.	14.1
Oct.	9.7	July	14.0	Apr.	14.2	Jan., 1946	13.2
Nov.	10.2	Aug.	13.7	May	14.9	Feb.	13.2
Dec.	10.0	Sept.	14.3	June	15.8	Mar.	13.3
Jan., 1938	11.0	Oct.	14.5	July	15.8	Apr.	13.3
Feb.	11.6	Nov.	15.1	Aug.	14.3	July	12.4
Mar.	12.0	Dec.	15.7	Sept.	14.3	Aug.	11.9
Apr.	12.7	Jan., 1941	16.3	Oct.	14.6	Sept.	11.5
May	13.2	Feb.	16.4	Nov.	13.2	Oct.	10.9
June	14.3	Mar.	16.2	Dec.	13.9	Nov.	11.2
July	11.9	Apr.	15.2	Jan., 1944	14.6	Jan., 1947	12.6
Aug.	11.5	May	15.2	Feb.	15.1	Feb.	13.2

15--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar., 1947	13.2	Feb., 1948	10.3	Dec., 1948	11.3	Oct., 1949	9.5
Apr.	12.3	Mar.	10.0	Jan., 1949	11.7	Nov.	9.8
May	12.9	Apr.	9.9	Feb.	12.0	Dec.	10.0
June	13.5	May	10.5	Mar.	12.7	Jan. 17, 1950	10.5
July	14.4	June	11.5	Apr.	12.0	Feb. 6	11.0
Aug.	13.5	July	11.5	May	12.5	Mar. 8	12.0
Sept.	12.5	Aug.	10.5	June	12.2	Apr. 6	12.4
Oct.	11.0	Sept.	10.2	July	13.7	June 6	13.73
Nov.	10.5	Oct.	10.0	Aug.	14.1	Oct. 16	7.84
Dec.	10.7	Nov.	10.5	Sept.	9.7	Nov. 27	9.54
Jan., 1948	10.8						

Clay County

(All water-level measurements are above land-surface datum.)

1. Girl Scouts of America. At Camp Chowenaw, about 1,000 feet south of SE. corner sec. 20, T. 5 S., R. 26 E., about 2,200 feet west of south end of bridge across Black Creek, on U. S. Highway 17. Records available: 1934, 1940, 1942, 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	41.3	Apr. 19	39.3	Aug. 2	36.9	Nov. 2	35.2
Mar. 7	35.9	June 6	39.2	Sept. 20	36.4	Dec. 20	37.3

2. Mrs. M. A. Chaulker. At Middleburg. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 5 S., R. 24 E., about 500 feet north of South Fork of Black Creek. Records available: 1934, 1940-42, 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	37.4	Apr. 19	41.8	Aug. 2	41.0	Nov. 2	41.5
Mar. 7	44.0	June 6	41.6	Sept. 20	40.9	Dec. 20	41.0

4. T. J. Jennings. Near north line SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 4 S., R. 25 E., southeast side of new highway. Records available: 1940-42, 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	38.2	Apr. 19	37.3	Aug. 2	36.1	Nov. 2	37.0
Mar. 7	38.2	June 6	36.6	Sept. 20	35.8	Dec. 20	36.3

5. John Huntley. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 4 S., R. 25 E. About 500 feet northwest of State Highway 68. Records available: 1940-41, 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	33.1	Apr. 19	31.7	Aug. 2	31.6	Nov. 2	31.3
Mar. 7	32.4	June 6	31.2	Sept. 20	31.1	Dec. 20	31.0

7. U. S. Navy. At auxiliary air base, about 2.5 miles southeast of Green Cove Springs. Records available: 1940-42, 1946-47, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	19.6	Apr. 19	15.8	Sept. 20	17.0	Dec. 20	16.8
Mar. 7	19.4	June 6	15.6	Nov. 11	13.4		

8. St. Elmo Hotel. In Green Cove Springs. Records available: 1934-35, 1940-42, 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	17.6	Apr. 19	17.2	Aug. 2	16.8	Nov. 2	17.5
Mar. 7	19.2	June 6	17.7	Sept. 20	17.1	Dec. 20	17.6

22. U. S. Navy. At auxiliary air base, about 2.5 miles southeast of Green Cove Springs. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	18.1	Apr. 19	15.6	Aug. 2	15.3	Nov. 2	18.7
Mar. 7	18.5	June 6	14.9	Sept. 20	16.7	Dec. 20	16.3

Columbia County

9. City of Lake City. Sec. 5, T. 4 S., R. 17 E., 1 mile south of Lake City, west of water plant on Alligator Lake. Records available: 1948-50.

9--Continued.

Daily mean water level, from recorder graph											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
1	86.41	86.91	87.33	88.03	88.39	89.03	89.63	89.77	90.02	.....	89.76 89.41
2	86.36	86.91	87.45	88.07	88.39	89.10	89.68	89.77	90.04	.....	89.71 89.47
3	86.30	86.95	87.52	88.10	88.45	89.08	89.68	89.76	90.06	.....	89.62 89.48
4	86.33	87.01	87.52	88.00	88.50	88.98	89.67	89.77	89.95	.....	89.49 89.47
5	86.38	87.06	87.45	87.91	88.53	88.95	89.69	89.77	89.82	.....	89.63 89.50
6	86.40	87.01	.....	87.98	88.59	89.07	89.66	89.79	89.71	.....	89.77 89.47
7	86.44	86.95	87.33	87.92	88.63	89.18	89.59	89.87	89.77	.....	89.81 89.25
8	86.56	87.01	87.38	87.90	88.65	89.23	89.56	89.92	89.91	.....	89.75 89.25
9	86.55	87.01	87.62	87.88	88.73	89.26	89.52	89.92	89.94	.....	89.64 89.39
10	86.53	86.98	87.67	87.87	88.75	89.23	89.55	89.91	89.94	.....	89.59 89.39
11	86.55	87.01	87.62	87.91	88.75	89.16	89.62	89.92	89.98	.....	89.62 89.35
12	86.58	87.02	87.58	87.97	88.68	89.17	89.63	89.93	90.02	.....	89.64 89.46
13	86.58	87.00	87.51	87.99	88.62	89.23	89.63	89.92	90.05	.....	89.67 89.49
14	86.60	87.02	87.65	88.10	88.58	89.26	89.64	89.92	90.04	.....	89.69 89.36
15	86.60	87.10	87.62	88.15	88.57	89.25	89.69	89.97	89.88	.....	89.70 89.28
16	.....	87.12	87.44	88.22	88.61	89.25	89.76	89.97	90.00	.....	89.72 89.30
17	86.61	87.20	87.57	88.21	88.67	89.25	89.74	89.96	90.08	.....	89.71 89.28
18	86.56	87.30	87.60	88.17	88.71	89.28	89.69	89.92	90.15	.....	89.63 89.35
19	86.58	87.22	87.65	88.17	88.69	89.31	89.68	89.90	90.14	.....	89.53 89.55
20	.....	87.25	87.62	88.17	88.69	89.37	89.69	89.91	90.09	.....	89.55 89.57
21	86.75	87.24	87.66	88.29	88.78	89.42	89.68	89.93	90.06	.....	89.55 89.64
22	86.70	87.09	87.60	88.37	88.83	89.45	89.67	89.97	89.95	.....	89.52 89.59
23	86.65	87.10	87.70	88.35	88.87	89.44	89.71	90.05	89.84	.....	89.52 89.55
24	86.70	87.25	87.74	88.26	88.86	89.45	89.77	90.08	89.88	.....	89.52 89.49
25	.....	87.29	87.75	88.27	88.86	89.46	89.77	90.07	.....	.....	89.47 89.48
26	86.85	87.28	87.75	88.21	88.88	89.42	89.76	90.07	.....	.....	89.50 89.44
27	86.84	87.40	87.65	88.28	88.88	89.40	89.74	90.10	.....	.....	89.40 89.43
28	86.80	87.45	87.65	88.33	88.90	89.44	89.71	90.07	.....	.....	89.44 89.45
29	86.80		87.78	88.37	88.93	89.47	89.68	90.04	.....	.....	89.42 89.38
30	.....		87.97	88.39	88.92	89.53	89.70	90.01	.....	.....	89.37 89.35
31	86.90		.....		88.93		89.78	90.02		89.79	89.48

Dade County

F1. City of Miami Springs. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	6.11	Mar. 29	5.82	May 29	5.66	July 26	5.47
Feb. 27	6.47	Apr. 27	5.78	June 27	5.85	Oct. 30	4.65

F2. City of Miami Springs. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	6.53	Mar. 29	6.25	May 29	6.05	July 26	5.87
Feb. 27	6.86	Apr. 27	6.19	June 27	6.20	Oct. 30	5.10

F3. City of Miami Springs. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	4.89	Mar. 29	4.63	May 29	4.41	July 26	4.23
Feb. 27	5.21	Apr. 27	4.57	June 27	4.63	Oct. 30	3.49

F4. City of Miami Springs. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	6.77	Mar. 29	6.57	May 29	6.35	July 26	6.17
Feb. 27	7.07	Apr. 27	6.51	June 27	6.59	Oct. 30	5.44

F5. City of Miami Springs. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	5.42	Mar. 29	5.16	May 29	4.98	July 26	4.82
Feb. 27	5.68	Apr. 27	5.13	June 27	5.20	Oct. 30	4.17

F6. City of Miami Springs. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	6.31	Mar. 29	6.18	May 29	5.92	July 26	5.82
Feb. 27	6.59	Apr. 27	6.07	June 27	6.17	Oct. 30	5.12

F7. City of Miami Springs. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	5.67	Mar. 29	5.48	May 29	5.24	July 26	5.19
Feb. 27	5.93	Apr. 27	5.41	June 27	5.49	Oct. 30	4.52

F8. City of Miami Springs. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	5.63	Mar. 29	5.47	May 29	5.21	July 26	5.18
Feb. 27	5.88	Apr. 27	5.40	June 27	5.46	Oct. 30	4.58

F9. City of Miami Springs. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	4.42	Mar. 29	4.30	May 29	4.05	July 26	3.99
Feb. 27	4.73	Apr. 27	4.23	June 27	4.33	Oct. 30	3.31

F10. City of Miami Springs. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	5.88	Mar. 29	5.79	May 29	5.34	July 26	5.36
Feb. 27	6.17	Apr. 27	5.66	June 27	5.86	Oct. 30	4.59

F11. City of Miami Springs. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	6.59	Mar. 29	6.37	May 29	6.15	July 26	6.04
Feb. 27	6.87	Apr. 27	6.33	June 27	6.38	Oct. 30	5.34

F12. City of Miami Springs. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1939-50.

Jan. 30	9.27	Mar. 29	8.87	May 29	8.82	July 26	8.49
Feb. 27	9.82	Apr. 27	8.98	June 27	9.30	Oct. 30	7.64

F13. City of Miami Springs. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1939-50.

Jan. 17	7.92	Mar. 29	8.38	June 27	8.77	Aug. 15	7.55
30	8.64	Apr. 27	8.50	July 26	8.26	Oct. 30	7.00
Feb. 27	9.18	May 29	8.26				

F14. City of Miami Springs. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24 T. 53 S., R. 40 E. Records available: 1939-50.

Jan. 17	6.64	Mar. 29	7.39	June 27	7.74	Aug. 17	6.71
30	7.64	Apr. 27	7.45	July 26	6.88	Oct. 30	5.71
Feb. 27	7.81	May 29	7.14				

F15. City of Miami Springs. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1939-50.

Jan. 17	7.02	Mar. 29	6.75	June 27	7.09	Aug. 16	6.17
30	7.09	Apr. 27	6.91	July 28	6.39	Oct. 30	3.88
Feb. 27	7.06	May 29	6.65				

F18. City of Opa-locka. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 52 S., R. 41 E. Records available: 1939-45, 1947, 1949-50. Jan. 12, 7.17; July 11, 6.24.

F22. City of Opa-locka. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 52 S., R. 41 E. Records available: 1939-45, 1947, 1949-50. Jan. 12, 5.85.

F25. City of Opa-locka. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 52 S., R. 41 E. Records available: 1939-45, 1947, 1949-50. Jan. 16, 5.23.

F53. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 53 S., R. 41 E. Records available: 1939-45, 1947, 1949-50. June 20, 12.60.

F62. City of Miami. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 53 S., R. 41 E. Records available: 1939-45, 1947, 1949. No measurement made in 1950.

F64. City of Miami. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 53 S., R. 41 E. Records available: 1939-50. Feb. 6, 10.35; Apr. 5, 10.55; June 9, 9.88; Sept. 5, 8.94.

F69. City of Miami. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 53 S., R. 41 E. Records available: 1939, 1947, 1949-50. Aug. 8, 7.10.

F109. City of Miami. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 53 S., R. 41 E. Records available: 1939-45, 1947, 1949. No measurement made in 1950.

F117. City of Miami. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 53 S., R. 41 E. Records available: 1939-50. Feb. 6, 6.14; Apr. 5, 5.93; June 9, 5.99; Sept. 5, 5.19; Nov. 9, 5.12.

F124. City of Miami. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 54 S., R. 41 E. Records available: 1939-44, 1947, 1949-50. Aug. 14, 8.42.

F137. City of Miami. Sec. 11, T. 54 S., R. 41 E. Records available: 1939-50. Feb. 6, 9.42; June 13, 9.21; Sept. 5, 8.38; Dec. 6, 9.06.

F143. City of Miami. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	9.89	Apr. 12	10.12	June 12	10.19	Aug. 3	10.17
Feb. 7	10.32	May 3	10.17	July 6	10.44	Nov. 7	9.30
Mar. 20	12.36						

F146. City of Miami. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	7.41	Apr. 12	7.80	June 12	7.82	Aug. 3	7.71
Feb. 7	7.95	May 3	7.83	July 6	8.13	Nov. 7	6.62
Mar. 20	8.06						

F147. City of Miami. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	8.25	Apr. 12	8.57	June 12	8.72	Aug. 3	8.90
Feb. 7	8.76	May 3	8.67	July 6	8.93	Nov. 7	7.54
Mar. 20	8.85						

F148. City of Miami. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	9.05	Apr. 12	9.38	June 12	9.42	Aug. 3	9.34
Feb. 7	9.56	May 3	8.79	July 6	9.73	Dec. 8	9.69
Mar. 20	9.63						

F154. City of Miami. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	10.28	Apr. 12	10.70	June 12	10.71	Aug. 3	10.56
Feb. 7	10.86	May 3	10.80	July 5	11.00	Nov. 7	9.42
Mar. 20	10.97						

F155. City of Miami. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	4.98	Apr. 12	5.29	June 12	5.40	Aug. 3	5.25
Feb. 7	5.49	May 3	5.46	July 5	5.69	Nov. 7	4.23
Mar. 20	5.61						

F156. City of Miami. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1946-50.

F156--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	10.46	Apr. 12	11.15	July 6	11.93	Nov. 7	9.98
Feb. 7	10.96	May 3	9.35	Aug. 3	11.52	Dec. 8	11.23
Mar. 20	11.16	June 12	11.46	Sept. 5	10.68		

F158. City of Miami. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1946-50.

Jan. 9	11.55	Apr. 12	11.87	June 12	12.00	Aug. 2	11.63
Feb. 7	11.86	May 3	11.79	July 5	12.21	Nov. 7	11.05
Mar. 21	12.03						

F159. City of Miami. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 54 S., R. 41 E. Records available:

Jan. 9	15.61	Mar. 21	16.05	May 4	15.83	July 5	15.16
Feb. 7	15.82	Apr. 12	15.92	June 12	16.04	Aug. 2	15.84

F160. City of Miami. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 54 S., R. 41 E. Records available:

Jan. 9	12.96	Apr. 12	13.39	July 5	13.73	Oct. 4	12.65
Feb. 7	13.14	May 4	13.01	Aug. 2	13.61	Nov. 7	12.60
Mar. 21	13.25	June 13	13.40	Sept. 5	13.14	Dec. 8	13.45

F163. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 54 S., R. 41 E. Records available:

Jan. 10	11.11	Apr. 12	11.55	July 5	11.88	Oct. 4	11.50
Feb. 6	11.72	May 3	11.68	Aug. 2	11.41	Dec. 8	11.70
Mar. 20	11.85	June 12	11.56				

F164. City of Miami. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 54 S., R. 41 E. Records available:

Jan. 10	10.90	Apr. 12	11.36	July 5	11.69	Oct. 4	10.25
Feb. 7	11.49	May 3	11.48	Aug. 3	11.24	Dec. 8	11.57
Mar. 20	11.65	June 12	11.38				

F165. City of Miami. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available:

Jan. 10	5.71	Apr. 12	6.13	July 5	6.46	Oct. 4	5.00
Feb. 7	6.28	May 3	6.25	Aug. 3	5.98	Dec. 8	6.28
Mar. 20	6.42	June 12	6.16				

F166. City of Miami. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available:

Jan. 9	7.88	Apr. 12	9.31	June 12	8.33	Aug. 3	8.20
Feb. 7	8.44	May 3	8.41	July 6	8.62	Nov. 7	7.10
Mar. 20	8.57						

F168. City of Miami. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 54 S., R. 41 E. Records available:

Jan. 9	11.18	Apr. 12	11.45	June 12	11.49	Aug. 3	11.36
Feb. 7	11.59	May 4	11.47	July 6	11.74	Nov. 7	10.52
Mar. 20	11.61						

F173. City of Miami. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 54 S., R. 41 E. Records available:

Jan. 9	7.23	Apr. 12	7.59	July 6	7.91	Oct. 5	6.49
Feb. 8	7.73	May 4	7.68	Aug. 1	7.46	Dec. 11	14.87
Mar. 20	7.83	June 12	7.62				

F174. City of Miami. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 54 S., R. 41 E. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	10.62	Apr. 12	11.15	June 12	11.17	Aug. 2	10.99
Feb. 6	11.33	May 3	11.31	July 5	11.48	Nov. 7	9.66
Mar. 20	11.45						

F176. City of Miami. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, T. 54 S., R. 41 E. Records available: 1946-50.

Jan. 9	8.11	Apr. 12	8.53	June 12	8.56	Aug. 3	8.41
Feb. 8	8.67	May 4	8.65	July 6	8.86	Dec. 8	8.75
Mar. 20	8.81						

F177. City of Miami. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 54 S., R. 41 E. Records available: 1946-50.

Jan. 9	4.15	Apr. 12	4.39	July 6	4.71	Oct. 4	3.32
Feb. 8	4.55	May 4	4.59	Aug. 3	4.27	Dec. 11	4.75
Mar. 20	4.65	June 12	4.45				

F178. City of Miami. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 54 S., R. 41 E. Records available: 1946-50.

Jan. 10	8.70	Apr. 15	9.20	July 5	9.55	Oct. 4	8.22
Feb. 6	9.37	May 3	10.35	Aug. 2	9.04	Nov. 7	7.72
Mar. 20	9.51	June 12	9.21	Sept. 5	8.17	Dec. 8	9.39

F179. City of Miami. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 54 S., R. 41 E. Records available: 1939-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.70	7.42	7.51	7.73	7.43	7.41	7.72	7.15	6.31	....	....	7.08
2	6.69	7.43	7.51	7.72	7.43	7.41	7.72	7.19	6.37	....	....	7.09
3	....	7.47	7.52	7.71	7.43	7.41	7.72	7.23	6.38	....	5.54	7.08
4	....	7.48	7.51	7.67	7.44	7.40	7.68	7.25	6.34	6.31	5.57	7.09
5	....	7.48	7.48	7.53	7.44	7.40	7.67	7.25	6.34	6.15	....	7.11
6	6.74	7.47	7.49	7.44	7.44	7.39	....	7.26	6.40	6.10	....	7.13
7	6.82	7.46	7.51	7.35	7.45	7.34	7.65	7.33	6.48	....	6.06	7.14
8	6.86	7.46	7.52	7.32	7.50	7.31	7.65	....	6.62	....	6.17	....
9	6.87	7.44	7.53	7.32	7.55	7.31	7.63	....	6.63	....	6.21	....
10	6.89	7.44	7.55	7.31	7.58	7.31	7.22	....	6.64	....	6.25	....
11	6.92	7.45	7.56	7.31	7.59	7.32	7.14	6.06	6.65	....	6.30	....
12	6.97	7.48	7.57	7.30	7.62	7.35	7.10	6.13	6.66	5.67	6.33	....
13	7.07	7.48	7.57	7.30	7.61	7.35	7.15	6.17	6.67	4.36	6.37	....
14	7.13	7.48	7.60	7.30	7.61	7.40	7.17	....	6.70	4.35	6.42	....
15	7.17	7.50	7.62	7.30	7.60	7.42	7.18	....	6.73	4.34	6.46	7.22
16	7.18	7.53	7.63	7.31	7.60	7.45	7.19	....	6.73	4.34	6.49	7.25
17	7.24	7.53	7.63	7.31	7.60	7.45	7.20	....	6.72	4.27	6.51	7.26
18	7.25	7.54	7.63	7.30	7.59	7.45	7.21	6.33	6.72	3.27	6.53	7.28
19	7.25	7.54	7.62	7.30	7.58	7.45	7.22	6.34	6.71	3.38	6.56	7.30
20	7.27	7.53	7.58	7.31	7.58	7.46	7.21	6.39	6.71	3.50	6.58	7.32
21	7.28	7.52	7.60	7.32	7.52	7.46	7.20	6.47	6.70	....	6.60	7.34
22	7.28	7.52	7.62	7.33	7.48	7.51	7.19	6.53	6.70	....	6.64	7.34
23	7.29	7.48	7.66	7.35	7.45	7.53	7.18	6.56	....	....	6.72	7.34
24	7.29	7.48	7.67	7.37	7.45	7.55	7.16	6.62	....	....	6.77	7.35
25	7.30	7.48	7.67	7.38	7.45	7.59	7.15	6.62	....	....	6.82	7.35
26	7.30	7.49	7.67	7.40	7.38	7.64	7.14	6.56	....	....	6.89	7.36
27	7.34	7.51	7.66	7.41	7.38	7.65	7.13	6.34	....	4.96	6.95	7.36
28	7.35	7.51	7.64	7.42	7.38	7.67	7.12	6.29	....	....	7.01	7.35
29	7.37	....	7.64	7.42	7.39	7.72	7.13	6.26	6.62	....	7.04	7.32
30	7.39	....	7.71	7.43	7.40	7.72	7.13	6.26	....	....	7.07	7.30
31	7.42	....	7.73	....	7.40	....	7.14	6.27	....	....	....	7.28

F180. City of Miami. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	11.85	Apr. 15	12.32	June 9	12.32	Aug. 2	12.29
Feb. 6	12.42	May 3	12.50	July 5	11.69	Nov. 7	11.22
Mar. 20	12.64						

F181. City of Miami. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	3.71	Apr. 17	4.06	June 12	5.12	Aug. 3	3.96
Feb. 8	4.19	May 4	4.15	July 6	4.38	Nov. 7	3.07
Mar. 20	4.32						

F184. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	13.54	Apr. 15	14.04	June 9	14.12	Aug. 2	14.03
Feb. 6	14.09	May 3	14.17	July 5	14.39	Nov. 7	13.07
Mar. 20	14.40						

F186. City of Miami. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 54 S., R. 40 E. Records available: 1939-45, 1947, 1949-50. Aug. 14, 11.59.

F188. City of Miami. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	16.82	Apr. 17	16.60	July 5	17.25	Nov. 7	16.20
Feb. 7	17.00	May 4	16.91	Aug. 2	16.93	Dec. 8	17.30
Mar. 21	17.15	June 12	17.13				

F191. City of Miami. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	12.27	Apr. 17	12.50	June 12	12.63	Aug. 3	12.50
Feb. 7	12.66	May 4	12.63	July 6	12.89	Dec. 11	12.98
Mar. 20	12.78						

F192. City of Miami. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	8.84	Apr. 17	9.63	July 5	10.32	Oct. 5	8.90
Feb. 7	9.30	May 3	9.98	Aug. 1	9.84	Dec. 8	9.63
Mar. 20	9.76	June 12	10.10				

F198. City of Miami. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	10.10	Apr. 17	10.24	July 5	10.86	Oct. 5	8.47
Feb. 7	10.41	May 3	10.53	Aug. 1	10.33	Dec. 8	10.68
Mar. 21	10.69	June 12	10.68				

F199. City of Miami. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	17.12	Apr. 17	17.14	June 12	17.52	Aug. 1	17.15
Feb. 7	17.36	May 3	17.37	July 5	17.66	Nov. 7	16.59
Mar. 21	17.60						

F202. City of Miami. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 54 S., R. 41 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	13.84	Apr. 17	13.86	June 13	14.14	Aug. 2	14.11
Feb. 7	14.09	May 4	14.07	July 5	14.42	Dec. 8	14.37
Mar. 21	14.25						

F210. City of Miami. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 53 S., R. 41 E. Records available: 1940-50.

F210--Continued.

Daily highest water level, from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.17	7.84	....	8.12	7.69	7.57	7.92	7.65	6.77	6.82	6.02	7.08
2	7.17	7.87	....	8.11	7.70	7.57	7.92	7.67	....	6.84	6.10	7.12
3	7.15	7.91	7.89	8.10	7.73	7.62	7.90	7.63	....	6.68	6.26	7.13
4	7.15	7.92	7.87	8.10	7.77	7.66	7.90	7.66	....	6.66	....	7.17
5	7.20	7.92	7.88	7.82	7.78	7.47	7.92	7.70	....	6.17	....	7.20
6	....	7.93	7.89	7.55	7.79	7.42	7.92	7.72	6.71	....	....	7.23
7	....	7.94	7.89	7.58	7.83	7.31	7.93	7.74	....	....	....	7.25
8	....	7.94	7.92	7.56	7.87	7.27	....	6.84	....	....	....	7.28
9	....	7.93	7.97	7.55	7.89	7.26	....	6.42	....	....	6.62	7.32
10	....	7.94	8.02	7.55	7.92	7.27	....	6.33	....	....	6.64	7.32
11	....	7.95	8.01	....	7.95	7.31	....	6.34	6.98	....	6.70	7.34
12	7.46	7.93	8.01	....	7.97	7.32	7.45	6.40	6.92	....	6.73	7.36
13	7.52	7.92	8.02	....	7.98	7.41	7.47	6.47	6.97	5.87	6.77	7.38
14	7.55	7.94	8.05	7.56	7.99	7.47	7.50	6.55	7.00	5.62	6.81	7.41
15	7.58	7.97	8.05	7.59	8.00	7.51	7.52	6.61	6.97	5.32	6.84	7.42
16	7.60	7.99	8.07	7.61	7.78	7.55	7.55	6.65	6.78	5.02	6.88	7.44
17	7.65	8.00	8.07	7.62	7.73	7.56	7.59	6.71	6.75	4.72	6.91	7.45
18	7.67	8.00	8.06	7.63	7.64	7.57	7.62	6.74	6.73	4.39	6.75	7.49
19	7.68	8.00	8.04	7.64	7.63	7.60	7.63	6.77	6.73	4.45	6.77	7.51
20	7.71	8.00	7.97	7.65	7.64	7.65	7.62	6.82	6.73	4.50	6.85	7.53
21	7.72	8.01	7.98	7.70	7.65	7.69	7.61	6.89	6.74	4.62	6.93	7.55
22	7.74	8.00	8.00	7.74	7.68	7.72	7.63	6.92	6.73	....	6.97	7.59
23	7.75	7.86	8.03	7.75	7.69	7.77	7.65	6.98	6.74	....	7.02	7.59
24	7.75	....	8.08	7.79	7.64	7.80	7.63	7.03	6.78	....	6.71	7.63
25	7.76	....	8.10	7.78	7.63	7.82	7.54	7.07	6.82	....	6.63	7.65
26	7.77	....	8.10	7.71	7.63	7.84	7.56	7.00	6.85	....	6.71	7.67
27	7.77	....	8.05	7.62	7.64	7.87	7.58	6.92	6.87	5.49	6.80	7.67
28	7.77	....	8.05	7.63	7.65	7.89	7.60	6.82	6.80	5.62	6.90	7.66
29	7.78	....	8.09	7.65	7.66	7.92	7.62	6.77	6.77	5.74	6.98	7.63
30	7.80	....	8.12	7.68	7.66	7.93	7.62	6.72	6.80	5.86	7.04	7.62
31	7.82	....	8.13	....	7.66	....	7.64	6.71	....	5.97	....	7.57

F212. City of Miami. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 52 S., R. 41 E. Records available: 1939-44, 1947, 1949. No measurement made in 1950.

F213. City of Miami. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 54 S., R. 41 E. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	14.67	Apr. 17	15.04	July 5	15.77	Nov. 7	14.65
Feb. 7	15.36	May 4	15.39	Aug. 2	15.42	Dec. 8	15.41
Mar. 21	15.33	June 12	15.70	Sept. 5	15.07		

F214. City of Miami. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 53 S., R. 41 E. Records available: 1939-50. Feb. 6, 10.30; Apr. 5, 10.46; June 8, 9.68; Sept. 6, 8.97; Dec. 11, 10.06.

F218. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 53 S., R. 42 E. Records available: 1939-50. Feb. 6, 9.93; Apr. 5, 10.13; Apr. 15, 9.57; June 8, 9.31; Sept. 6, 8.68; Nov. 9, 8.49.

F225. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 53 S., R. 42 E. Records available: 1939-50. Jan. 16, 7.75; June 23, 8.06.

F226. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 53 S., R. 42 E. Records available: 1939-47, 1949-50. June 23, 19.46; Aug. 4, 18.23.

F228. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 52 S., R. 42 E. Records available: 1939-50. Jan. 16, 11.91; June 23, 12.14.

F233. City of Miami. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 53 S., R. 41 E. Records available: 1939-50. Jan. 18, 9.76; Aug. 10, 9.06.

F234. City of Miami. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 53 S., R. 41 E. Records available: 1939-50. Jan. 17, 7.28; Aug. 9, 6.49.

F235. City of Hialeah. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 53 S., R. 41 E. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	6.05	Mar. 29	5.83	May 29	5.61	July 26	5.55
Feb. 27	6.27	Apr. 27	5.76	June 27	5.72	Oct. 30	5.02

F236. City of Hialeah. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	6.81	Apr. 27	6.48	June 27	6.51	Aug. 17	5.81
Feb. 27	7.06	May 29	6.38	July 26	6.27	Oct. 30	5.57
Mar. 29	6.56						

F237. City of Hialeah. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	6.24	Apr. 27	5.95	June 27	5.98	Aug. 17	5.21
Feb. 27	6.52	May 29	5.86	July 26	5.69	Oct. 30	4.92
Mar. 29	6.05						

F238. City of Hialeah. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 53 S., R. 41 E. Records available: 1943-50.

Jan. 30	7.26	Apr. 27	7.02	June 27	6.97	Aug. 17	6.03
Feb. 27	7.61	May 29	6.97	July 26	6.66	Oct. 30	5.69
Mar. 29	7.22						

F239. City of Hialeah. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 53 S., R. 41 E. Records available: 1943-50.

Jan. 30	8.66	Apr. 27	8.41	June 27	8.43	Aug. 17	7.42
Feb. 27	8.99	May 29	8.40	July 26	8.05	Oct. 30	7.06
Mar. 29	8.65						

F240. City of Hialeah. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 53 S., R. 41 E. Records available: 1939-47. 1949-50. Aug. 16, 5.49.

F243. City of Hialeah. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 52 S., R. 41 E. Records available: 1939-47, 1949-50. July 11, 4.56.

F245. City of Hialeah. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 52 S., R. 41 E. Records available: 1939-45, 1947, 1949-50. July 11, 5.68.

F246. City of Hialeah. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 53 S., R. 41 E. Records available: 1939-45, 1947, 1949-50. Aug. 15, 5.53.

F253. City of Hialeah. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 53 S., R. 40 E. Records available: 1939-45, 1947, 1949-50. Aug. 15, 3.14.

F257. City of Hialeah. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	3.00	Mar. 29	3.07	May 29	2.97	Aug. 15	1.98
Feb. 27	3.66	Apr. 27	3.00	July 26	2.66	Oct. 30	1.86

F260. City of Hialeah. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	7.50	Apr. 27	7.39	June 27	7.35	Aug. 16	6.31
Feb. 27	7.99	May 29	7.39	July 26	6.98	Oct. 30	5.99
Mar. 29	7.62						

F261. City of Hialeah. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 53 S., R. 41 E. Records available: 1939-50. Jan. 30, 6.67; Feb. 27, 7.00; Mar. 29, 6.53; Apr. 27, 6.37; July 26, 6.04; Aug. 17, 5.46; Oct. 30, 5.15.

F263. City of Hialeah. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 53 S., R. 41 E. Records available: 1939-50.

F263--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	7.14	Mar. 29	6.97	May 29	6.77	July 26	6.54
Feb. 27	7.50	Apr. 27	6.84	June 27	6.90	Oct. 30	5.66

F264. City of Hialeah. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	6.93	Apr. 27	6.64	June 27	6.71	Aug. 17	5.70
Feb. 27	7.29	May 29	6.56	July 26	6.30	Oct. 30	5.38
Mar. 29	6.85						

F265. City of Hialeah. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	6.55	Apr. 27	6.30	June 27	6.35	Aug. 17	5.29
Feb. 27	6.92	May 29	6.26	July 26	5.93	Oct. 30	4.96
Mar. 29	6.50						

F266. City of Hialeah. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	7.36	Apr. 27	7.16	June 27	7.14	Aug. 16	6.16
Feb. 27	7.76	May 29	7.08	July 26	6.78	Oct. 30	5.80
Mar. 29	7.39						

F268. City of Hialeah. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	5.14	Apr. 27	4.81	June 27	4.89	Aug. 17	3.93
Feb. 27	5.50	May 29	4.73	July 26	4.51	Oct. 30	3.65
Mar. 29	4.94						

F271. City of Hialeah. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 53 S., R. 41 E. Records available: 1939-50.

Jan. 30	7.32	Apr. 27	6.99	June 27	7.12	Aug. 17	6.01
Feb. 27	7.68	May 29	6.92	July 26	6.62	Oct. 30	5.74
Mar. 29	7.07						

F273. Town of North Miami. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 52 S., R. 42 E. Records available: 1939-45, 1947, 1949-50. Aug. 4, 12. 29.F279. Town of North Miami. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 52 S., R. 42 E. Records available: 1939-50. Jan. 16, 9.91; Feb. 14, 6.02; Apr. 3, 7.36; May 2, 6.85; June 8, 6.77; July 6, 7.18; Aug. 4, 6.96.F281. Town of North Miami. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 52 S., R. 42 E. Records available: 1939-45, 1947, 1949-50. Feb. 14, 6.14; Apr. 3, 6.23; May 2, 5.75; June 8, 5.65; July 6, 6.11; Aug. 4, 5.94.F283. Town of North Miami. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 52 S., R. 42 E. Records available: 1939-45, 1947, 1949-50. July 11, 7.87.F284. Town of North Miami. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 52 S., R. 41 E. Records available: 1939-50. Jan. 16, 9.76; Feb. 15, 10.28; Apr. 3, 10.26; May 2, 7.47; June 8, 9.12; July 6, 9.70; July 11, 9.34.F288. Town of North Miami Beach. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 52 S., R. 42 E. Records available: 1939-45, 1947, 1949-50. Aug. 3, 7.50.F296. Town of North Miami Beach. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 52 S., R. 42 E. Records available: 1939-50. Feb. 2, 8.98; Apr. 3, 9.37; Sept. 6, 7.94; Dec. 11, 8.79.F297. Town of North Miami. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 52 S., R. 42 E. Records available: 1939-50. Jan. 16, 8.15; June 8, 8.63; Aug. 4, 8.30.F299. Village of Biscayne Park. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 52 S., R. 42 E. Records available: 1939-45, 1947, 1949-50. Jan. 16, 7.31; Feb. 14, 7.58; Apr. 3, 7.80; May 2, 9.56; June 8, 7.10; July 6, 7.64; Aug. 4, 7.44.

No measurements made in 1950 in wells F300, F302, F307, F309 and F317.

F319. Town of South Miami. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 25, T. 54 S., R. 40 E. Records available: 1940-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.84	9.68	9.52	9.60	9.41	9.46	9.86	9.49	8.86	....	8.14	8.89
2	8.82	9.71	9.51	9.59	9.41	9.47	9.84	9.50	8.93	8.75	8.21	8.89
3	8.81	9.74	9.51	9.59	9.43	9.49	9.82	9.50	8.93	8.68	8.21	8.89
4	8.83	9.75	9.49	9.57	9.45	9.53	9.77	9.51	8.94	8.57	8.19	8.90
5	8.87	9.77	9.47	9.44	9.47	9.54	9.76	9.52	9.02	8.45	8.20	8.92
6	8.92	9.77	9.47	9.42	9.49	9.53	9.75	9.57	9.07	8.02	8.23	8.94
7	8.98	9.76	9.47	9.42	9.51	9.50	9.71	9.59	9.14	7.72	8.26	8.95
8	9.05	9.78	9.47	9.40	9.56	9.48	9.70	9.39	9.19	7.67	8.29	8.95
9	9.05	9.77	9.48	9.37	9.57	9.48	9.67	9.16	9.23	7.69	8.30	8.96
10	9.07	9.76	9.52	9.34	9.64	9.48	9.66	9.09	9.27	7.75	8.30	8.96
11	9.11	9.75	9.53	9.32	9.65	9.49	9.73	9.07	9.28	7.85	8.32	8.97
12	9.16	9.75	9.52	9.30	9.66	9.50	9.81	9.06	9.25	7.95	8.32	8.97
13	9.20	9.73	9.53	9.27	9.68	9.54	9.86	9.05	9.18	8.05	8.35	8.97
14	9.23	9.69	9.55	9.27	9.69	9.57	9.82	9.05	9.16	7.54	8.39	8.98
15	9.28	9.68	9.56	9.27	9.70	9.59	9.88	9.05	9.16	7.22	8.42	8.97
16	9.33	9.68	9.55	9.27	9.71	9.59	9.88	9.01	9.17	7.17	8.44	8.99
17	9.36	9.69	9.55	9.27	9.69	9.59	9.88	9.01	9.12	6.72	8.46	9.00
18	9.39	9.68	9.52	9.25	9.67	9.59	9.87	9.02	9.10	6.19	8.48	9.02
19	9.39	9.67	9.49	9.24	9.65	9.61	9.86	9.04	9.09	6.33	8.48	9.06
20	9.41	9.65	9.47	9.26	9.64	9.63	9.79	9.08	9.08	6.55	8.52	9.08
21	9.42	9.62	9.46	9.29	9.62	9.67	9.69	9.10	9.04	6.76	8.54	9.09
22	9.43	9.59	9.45	9.32	9.59	9.69	9.64	9.09	8.97	6.97	8.57	9.10
23	9.46	9.55	9.48	9.33	9.55	9.74	9.60	9.09	8.93	7.16	8.62	9.10
24	9.47	9.55	9.52	9.36	9.52	9.75	9.57	9.08	8.92	7.33	8.64	9.11
25	9.49	9.53	9.52	9.37	9.50	9.77	9.55	9.08	8.87	7.50	8.69	9.11
26	9.51	9.53	9.53	9.37	9.46	9.80	9.51	8.94	8.83	7.61	8.73	9.15
27	9.53	9.53	9.53	9.38	9.45	9.81	9.49	8.75	8.79	7.72	8.77	9.15
28	9.55	9.53	9.51	9.38	9.44	9.83	9.40	8.69	8.77	7.81	8.79	9.14
29	9.57		9.54	9.39	9.44	9.85	9.49	8.69	....	7.90	8.80	9.12
30	9.62		9.58	9.39	9.45	9.86	9.49	8.73	....	8.01	8.85	9.08
31	9.65		9.60		9.45		9.49	8.80		....		9.05

F322. Town of South Miami. $NW\frac{1}{4}SE\frac{1}{4}$ sec. 25, T. 54 S., R. 40 E. Records available: 1940-45, 1947, 1949. No measurement made in 1950.

F331. Town of South Miami. $NE\frac{1}{4}NE\frac{1}{4}$ sec. 36, T. 54 S., R. 40 E. Records available: 1940-45, 1947, 1949-50. Nov. 1, 4.80; Nov. 2, 4.87; Nov. 3, 4.95; Dec. 4, 6.17.

F332. City of Hialeah. $SW\frac{1}{4}NW\frac{1}{4}$ sec. 18, T. 53 S., R. 41 E. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	5.39	Mar. 29	4.98	May 29	4.82	July 26	4.59
Feb. 27	5.78	Apr. 27	5.06	June 27	5.26	Oct. 30	3.76

F334. Town of Homestead. $SE\frac{1}{4}NE\frac{1}{4}$ sec. 7, T. 57 S., R. 39 E. Records available: 1940-43, 1945, 1947, 1949-50. Aug. 9, 6.87.

F358. Town of Homestead. $NE\frac{1}{4}NE\frac{1}{4}$ sec. 13, T. 57 S., R. 38 E. Records available: 1940-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.19	6.00	6.45	7.11	6.81	5.20	6.41	5.35	4.32	3.82	3.58	4.90
2	5.22	6.03	6.49	7.14	6.85	5.17	6.38	5.38	4.38	3.89	3.65	4.94
3	5.26	6.04	6.53	7.18	6.90	5.19	6.39	5.17	4.20	3.85	3.72	4.96
4	5.30	6.08	6.55	7.20	6.94	5.26	6.08	5.14	4.12	3.52	3.30	4.98
5	5.34	6.11	6.57	7.22	7.00	5.33	6.02	5.18	4.11	3.02	3.40	5.01
6	5.38	6.13	6.60	6.26	7.05	5.40	5.85	5.23	4.12	1.61	3.53	5.04
7	5.41	6.16	6.62	6.24	7.09	5.42	5.72	5.30	4.19	1.86	3.63	4.84
8	5.42	6.18	6.65	6.22	7.14	5.44	5.52	5.19	4.25	1.61	3.70	4.84
9	5.44	6.20	6.69	6.22	7.20	5.48	5.42	5.08	4.31	1.83	3.77	4.86
10	5.47	6.24	6.73	6.26	7.25	5.54	5.23	4.98	4.38	2.04	3.82	4.90

F358--Continued.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	5.51	6.26	6.75	6.29	7.30	5.59	5.18	4.96	4.42	2.26	3.90	4.95
12	5.55	6.29	6.77	6.34	7.33	5.65	5.16	4.96	4.21	2.40	3.96	5.00
13	5.58	6.30	6.80	6.38	7.36	5.71	5.22	4.97	4.15	2.54	4.04	5.05
14	5.62	6.32	6.82	6.42	7.40	5.77	5.28	5.00	4.14	1.80	4.11	5.08
15	5.66	6.35	6.79	6.48	....	5.72	4.85	5.05	4.14	1.82	4.14	5.11
16	5.68	6.38	6.82	6.43	....	5.88	4.78	5.06	3.94	2.03	4.17	5.15
17	5.71	6.41	6.84	6.57	....	5.92	4.74	5.09	3.91	1.82	4.22	5.18
18	5.74	6.44	6.87	6.61	....	5.82	4.68	5.00	4.01	2.06	4.28	5.21
19	5.76	6.46	6.73	6.65	7.22	5.81	4.82	5.00	4.08	2.20	4.33	5.25
20	5.77	6.48	6.68	6.70	7.24	5.86	4.88	5.05	4.12	2.31	4.37	5.28
21	5.78	6.51	6.70	6.76	7.25	5.92	4.92	5.05	4.20	2.46	4.41	5.31
22	5.80	6.53	6.72	6.81	7.20	5.98	4.79	5.04	4.24	2.62	4.47	5.36
23	5.82	6.34	6.76	6.86	6.29	6.00	4.75	5.04	4.13	2.74	4.53	5.39
24	5.82	6.32	6.80	6.90	5.96	6.11	4.76	4.96	4.10	2.74	4.56	5.42
25	5.84	6.32	6.84	6.92	5.61	6.16	4.81	4.84	3.95	2.92	4.62	5.45
26	5.86	6.34	6.88	6.64	5.52	6.18	4.88	4.51	3.84	3.05	4.68	5.48
27	5.88	6.38	6.91	6.62	5.48	6.21	4.93	4.18	3.88	3.17	4.73	5.50
28	5.90	6.41	6.95	6.66	5.48	6.26	5.04	4.10	3.94	3.27	4.77	5.52
29	5.92		6.99	6.70	5.50	6.31	5.12	4.12	3.91	3.34	4.82	5.54
30	5.94		7.04	6.76	5.52	6.36	5.20	4.21	3.75	3.42	4.86	5.56
31	5.97		7.08		5.44		5.28	4.28		3.52		4.96

F364. Town of Homestead. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 57 S., R. 38 E. Records available: 1940-43, 1947, 1949. No measurement made in 1950.

F378. Town of Florida City. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 57 S., R. 38 E. Records available: 1940-43, 1945-50. Recorder removed Feb. 6, 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	4.69	Jan. 10	4.99	Jan. 19	5.26	Jan. 28	5.32
2	4.74	11	5.03	20	5.28	29	5.36
3	4.78	12	5.07	21	5.28	30	5.38
4	4.83	13	5.11	22	5.28	31	5.42
5	4.87	14	5.15	23	5.29	Feb. 1	5.45
6	4.92	15	5.18	24	5.29	2	5.48
7	4.96	16	5.21	25	5.29	3	5.51
8	4.88	17	5.24	26	5.29	4	5.53
9	4.95	18	5.25	27	5.30	5	5.55

F379. Town of Naranja. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 56 S., R. 39 E. Records available: 1940-50. Aug. 9, 6.93.

F380. Town of Princeton. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 56 S., R. 39 E. Records available: 1940-43, 1945-50. Aug. 3, 8.57.

F381. J. D. DeBuchananne. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 56 S., R. 39 E. Records available: 1940-43, 1945, 1949. No measurement made in 1950.

F384. Bjorkman. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 56 S., R. 39 E. Records available: 1940-43, 1945, 1947, 1949. No measurement made in 1950.

F385. Town of Goulds. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 56 S., R. 39 E. Records available: 1940-50. Aug. 3, 8.40.

F387. State of Florida. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 56 S., R. 37 E. Records available: 1940-43, 1945-47, 1949-50. Jan. 26, 2.67; Apr. 3, 4.53; June 5, 2.29; July 31, 2.43.

F393. City of Miami Springs. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1941-50.

Jan. 30	4.98	Mar. 29	4.71	May 29	4.53	July 26	4.31
Feb. 27	5.32	Apr. 27	4.67	June 27	4.79	Oct. 30	3.53

F394. City of Miami Springs. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1941-50.

Jan. 30	5.18	Mar. 29	5.92	May 29	4.75	July 26	4.61
Feb. 27	5.51	Apr. 27	4.88	June 27	4.91	Oct. 30	3.82

F396. City of Miami Springs. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	3.69	Apr. 27	3.46	June 27	3.67	Aug. 16	3.05
Feb. 27	4.24	May 29	3.37	July 26	3.29	Oct. 30	2.61
Mar. 29	3.13						

F397. City of Miami Springs. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1944-50.

Jan. 30	4.51	Apr. 27	4.17	June 27	4.51	Aug. 16	4.06
Feb. 27	5.08	May 29	4.47	July 26	4.22	Oct. 30	3.60
Mar. 29	3.92						

F398. City of Miami Springs. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1944-50.

Jan. 30	5.14	Apr. 27	4.91	June 27	5.16	Aug. 17	4.67
Feb. 27	5.68	May 29	4.91	July 26	4.86	Oct. 30	4.20
Mar. 29	4.57						

F399. City of Miami Springs. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1944-50.

Jan. 30	5.66	Apr. 27	5.44	June 27	5.67	Aug. 17	5.07
Feb. 27	6.17	May 29	5.40	July 26	5.27	Oct. 30	4.57
Mar. 29	5.12						

F408. City of Miami Springs. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1945-50.

Jan. 30	5.70	Apr. 27	5.45	June 27	5.70	Aug. 17	5.31
Feb. 27	6.31	May 29	5.41	July 26	5.41	Oct. 30	4.82
Mar. 29	5.09						

F409. City of Miami Springs. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1945-50.

Jan. 30	5.03	Apr. 27	4.78	June 27	5.02	Aug. 16	4.56
Feb. 27	5.62	May 29	4.77	July 26	4.73	Oct. 30	4.14
Mar. 29	4.39						

F410. City of Miami Springs. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1945-50.

Jan. 30	5.31	Apr. 27	5.09	June 27	5.32	Aug. 16	4.72
Feb. 27	5.85	May 29	5.03	July 26	4.94	Oct. 30	4.25
Mar. 29	4.77						

F411. City of Miami Springs. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1945-50.

Jan. 30	5.47	Apr. 27	5.23	June 27	5.45	Aug. 16	4.73
Feb. 27	5.98	May 29	5.11	July 26	4.97	Oct. 30	4.21
Mar. 29	4.93						

F412. City of Miami Springs. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1945-50.

Jan. 30	5.74	Apr. 27	5.48	June 27	5.73	Aug. 16	4.96
Feb. 27	6.17	May 29	5.25	July 26	5.20	Oct. 30	4.37
Mar. 29	5.20						

F413. City of Miami Springs. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1945-50.

Jan. 30	6.56	Apr. 27	6.37	June 27	6.98	Aug. 15	5.78
Feb. 27	6.87	May 29	6.22	July 26	6.02	Oct. 30	5.12
Mar. 29	6.25						

F414. City of Miami Springs. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	5.85	Mar. 29	6.41	June 27	6.66	Aug. 10	5.23
30	6.47	Apr. 27	6.37	July 26	5.57	Oct. 30	4.66
Feb. 27	6.68	May 29	5.92				

F415. City of Miami Springs. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1945-50.

Jan. 17	5.24	Mar. 29	5.23	June 27	5.36	Aug. 17	4.54
30	5.53	Apr. 27	5.27	July 26	4.97	Oct. 30	4.26
Feb. 27	5.81	May 29	5.11				

F416. City of Miami Springs. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 53 S., R. 41 E. Records available: 1945-50.

Jan. 30	5.68	Mar. 29	5.14	May 29	4.88	July 26	4.79
Feb. 27	5.87	Apr. 27	4.92	June 27	5.54	Oct. 30	3.98

G3. U. S. Geol. Survey. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1940-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.02	4.84	5.26	4.01	3.93	4.50	4.61	4.31	3.72	4.17	3.34	4.03
2	2.97	4.79	5.23	4.27	4.42	4.54	4.39	4.11	4.03	3.95	3.29	3.88
3	2.96	4.82	5.24	4.24	4.38	4.43	4.27	4.11	4.22	3.79	3.40	3.73
4	3.22	4.91	5.36	4.30	4.60	4.15	4.12	3.85	4.06	4.26	3.41	4.00
5	3.29	4.98	5.38	3.67	4.62	3.94	3.93	3.85	4.05	3.74	3.36	4.13
6	3.32	4.80	5.31	3.68	4.77	3.82	3.94	3.87	4.01	3.29	3.50	4.42
7	3.33	4.80	5.18	3.77	4.83	4.06	4.11	4.15	....	3.23	3.39	4.22
8	3.43	5.10	5.19	3.91	4.75	4.12	4.04	3.58	4.17	3.14	3.58	4.30
9	3.43	5.22	5.28	3.90	4.76	4.10	3.86	3.50	4.14	3.48	3.55	4.15
10	3.50	5.02	5.15	3.88	4.76	3.99	3.70	3.90	4.12	3.60	3.76	3.97
11	3.60	5.27	5.34	4.11	4.66	4.00	3.62	3.69	4.25	3.57	3.66	3.94
12	3.60	5.33	5.51	4.35	4.76	3.93	3.88	3.71	4.50	3.76	3.82	4.37
13	3.68	5.32	5.54	4.49	4.94	3.80	4.35	3.69	4.66	3.78	3.87	4.46
14	3.77	5.35	5.59	4.63	4.98	3.97	4.41	3.41	4.62	3.64	3.81	4.52
15	3.79	5.40	5.45	4.75	4.91	4.18	4.17	3.63	4.23	3.28	3.94	4.26
16	3.92	5.46	5.30	4.66	4.90	4.25	3.97	4.06	3.87	3.07	3.82	4.19
17	3.97	5.55	5.31	4.55	4.71	4.04	3.85	4.32	3.67	2.89	3.74	4.33
18	4.10	5.63	5.36	4.42	4.41	3.92	3.96	4.35	3.54	2.12	3.65	4.05
19	4.23	5.63	4.85	4.54	4.38	4.12	4.00	3.97	3.78	2.36	3.65	4.55
20	4.19	5.51	4.63	4.52	4.64	4.42	3.93	3.92	3.74	2.28	3.80	4.63
21	4.14	5.49	4.51	4.56	4.67	4.43	3.93	4.34	4.03	2.64	3.86	4.70
22	4.13	5.49	3.39	4.56	4.70	4.44	3.88	4.11	3.70	2.71	3.83	4.59
23	4.14	5.47	4.31	4.28	4.74	4.35	3.99	3.96	3.67	2.61	4.22	4.65
24	4.20	5.47	4.25	4.26	4.69	4.33	4.17	3.98	3.79	2.97	3.72	4.49
25	4.20	5.47	4.03	4.27	4.11	4.18	4.23	4.10	3.73	3.07	3.69	4.57
26	4.45	5.40	3.92	4.13	4.01	4.12	4.14	....	3.59	3.15	3.80	4.31
27	4.60	5.37	3.89	4.31	4.06	4.36	4.19	....	3.69	3.27	4.02	4.77
28	4.69	5.42	3.89	4.20	4.06	4.35	4.19	....	3.89	3.45	4.19	4.83
29	4.74		4.12	4.17	4.07	4.23	3.96	....	3.83	3.49	4.01	4.73
30	4.76		4.23	4.04	4.44	4.33	4.02	....	3.91	3.55	4.12	4.52
31	4.80		4.18		4.54		4.02	3.80		3.50		4.26

G5. U. S. Geol. Survey. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	3.88	Mar. 29	3.36	May 29	3.46	July 26	3.38
Feb. 27	4.53	Apr. 27	3.56	June 27	3.63	Oct. 30	2.70

G6. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1940-50. Jan. 30, 6.66; Feb. 27, 7.49; Apr. 27, 6.80; May 29, 6.42; June 27, 7.28.

G7. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1940-50. Jan. 30, 8.74; Feb. 27, 9.03; Mar. 29, 8.70; Apr. 27, 8.60; May 29, 8.42; July 26, 8.17; Oct. 30, 7.23.

G8. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 53 S., R. 40 E. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	7.65	Mar. 29	7.47	May 29	7.40	July 26	7.09
Feb. 27	7.96	Apr. 27	7.55	June 27	7.74	Oct. 30	6.20

G9. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 54 S., R. 40 E. Records available: 1940-43, 1945, 1949. No measurement made in 1950.

G10. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 54 S., R. 40 E. Records available: 1940-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.16	2.32	2.50	2.54	3.04	3.09	3.42	2.71	2.48	2.27	1.63	2.12
2	1.24	2.33	2.47	2.57	3.08	3.18	3.23	2.96	2.59	1.16	1.69	2.12
3	1.32	2.34	2.45	2.69	3.12	3.19	3.20	2.94	2.40	1.56	1.73	2.11
4	1.38	2.39	2.43	2.63	3.14	3.31	2.96	2.90	2.37	1.36	1.44	2.14
5	1.45	2.39	2.42	2.64	3.18	3.28	2.95	2.87	2.46	.89	1.66	2.17
6	1.50	2.36	2.41	1.45	3.22	3.32	2.88	2.77	2.38	.54	1.76	2.17
7	1.55	2.37	2.42	1.98	3.27	3.35	2.87	2.66	2.54	.86	1.81	1.93
8	1.42	2.40	2.41	2.06	3.31	3.20	2.68	2.34	2.65	1.00	1.83	1.96
9	1.60	2.42	2.45	2.15	3.36	3.24	2.14	....	2.72	1.21	1.86	1.98
10	1.68	2.45	2.46	2.24	3.40	3.26	1.87	2.38	2.79	1.40	1.88	2.02
11	1.70	2.48	2.48	2.30	3.44	3.23	2.44	2.48	2.82	1.55	1.90	2.06
12	1.75	2.50	2.51	2.37	3.49	3.26	2.69	2.36	2.79	1.69	1.93	2.09
13	1.82	2.51	2.48	2.44	3.52	3.30	2.85	2.06	2.74	1.82	1.94	2.10
14	1.84	2.54	2.24	2.46	3.56	3.30	2.95	....	2.23	.58	1.98	2.12
15	1.88	2.56	2.25	2.59	3.60	3.28	2.66	2.71	2.20	.64	1.91	2.16
16	1.92	2.60	2.26	2.67	3.56	3.30	2.59	2.84	2.14	.42	1.88	2.12
17	1.95	2.63	2.29	2.72	3.48	3.28	2.54	....	2.04	.04	1.96	2.08
18	1.97	2.64	1.92	2.77	3.51	3.31	2.78	2.84	2.19	.22	2.00	2.16
19	1.99	2.64	2.04	2.81	3.57	3.36	2.85	2.94	2.29	.12	2.04	2.20
20	2.03	2.66	1.98	2.84	3.61	3.32	2.92	2.98	2.32	.38	2.04	2.23
21	2.02	2.69	2.09	2.84	3.63	3.36	2.87	2.96	2.36	.60	2.06	2.25
22	2.04	2.70	2.12	2.87	3.64	3.38	2.32	2.88	2.20	.80	2.08	2.12
23	2.06	2.47	2.18	2.90	3.62	3.36	2.74	2.86	2.24	.92	2.11	2.18
24	2.08	2.52	2.22	2.93	3.47	3.35	2.87	2.82	1.99	.98	1.54	2.22
25	2.10	2.42	2.27	2.86	3.30	3.41	2.98	2.80	2.14	1.09	1.74	2.24
26	2.14	2.49	2.30	2.86	3.27	3.42	3.05	2.20	2.09	1.24	1.89	2.26
27	2.18	2.56	2.34	2.88	3.29	3.36	3.09	1.45	2.17	1.37	1.91	2.28
28	2.21	2.60	2.38	2.92	3.30	3.32	3.10	1.79	1.94	1.46	1.98	2.28
29	2.24		2.42	2.96	3.32	3.36	3.11	1.99	2.08	1.54	2.05	2.27
30	2.26		2.47	3.00	3.33	3.39	3.08	2.18	2.18	1.59	2.10	2.04
31	2.29		2.51		3.34		3.12	2.34		1.65		1.77

G11. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 54 S., R. 40 E. Records available: 1940-43, 1945, 1949. No measurement made in 1950.

G12. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 53 S., R. 40 E. Records available: 1940-43, 1949. No measurement made in 1950.

G15. U. S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 53 S., R. 40 E. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	5.29	Mar. 29	5.38	May 29	5.06	July 26	4.85
Feb. 27	5.59	Apr. 27	5.24	June 27	5.35	Oct. 30	4.00

No measurement made in 1950 for wells G18, G23, G24, G25, and G28.

G36. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 54 S., R. 40 E. Records available: 1940-43, 1945, 1947, 1949-50. Aug. 29, 3.36; Oct. 31, 2.40; Nov. 1, 2.43; Nov. 2, 2.48; Nov. 3, 2.54; Dec. 3, 3.30.

G38. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 57 S., R. 39 E. Records available: 1940-43, 1945-50. Jan. 26, 3.17; Apr. 3, 4.02; June 5, 3.43; July 31, 3.35.

G39. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 54 S., R. 40 E. Records available: 1940-43, 1945, 1947, 1949-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.19	4.32	4.84	4.88	5.14	5.57	5.74	5.15	4.08	3.95	2.57	3.86
2	3.23	4.35	4.84	4.90	5.16	5.57	5.73	5.17	4.12	3.90	2.66	3.89
3	3.27	4.37	4.86	4.93	5.18	5.55	5.72	5.17	4.14	3.77	2.73	3.91
4	3.33	4.40	4.86	4.96	5.21	5.54	5.68	5.18	4.16	3.42	2.77	3.93
5	3.39	4.43	4.86	4.97	5.22	5.52	5.65	5.19	4.19	3.18	2.85	3.96
6	3.44	4.45	4.87	4.82	5.25	5.53	5.63	5.19	4.21	2.31	2.81	3.99
7	3.49	4.49	4.88	4.77	5.27	5.52	5.57	5.19	4.25	2.28	2.98	3.98
8	3.51	4.52	4.88	4.72	5.30	5.51	5.54	5.11	4.28	2.35	3.03	3.98
9	3.55	4.55	4.89	4.70	5.33	5.51	5.50	4.94	4.32	2.45	3.10	3.97
10	3.60	4.58	4.90	4.69	5.35	5.51	5.45	4.84	4.37	2.56	3.14	3.98
11	3.65	4.61	4.90	4.68	5.38	5.51	5.40	4.81	4.42	2.63	3.19	3.99
12	3.69	4.64	4.91	4.69	5.42	5.52	5.34	4.77	4.45	2.73	3.25	4.00
13	3.74	4.66	4.91	4.70	5.44	5.52	5.31	4.51	4.48	2.83	3.30	4.01
14	3.79	4.68	4.91	4.71	5.47	5.53	5.30	4.42	4.50	1.93	3.34	4.02
15	3.84	4.71	4.90	4.74	5.49	5.54	5.23	4.41	4.53	1.58	3.39	4.05
16	3.88	4.73	4.87	4.76	5.51	5.54	5.20	4.41	4.48	1.27	3.42	4.06
17	3.92	4.75	4.86	4.80	5.53	5.55	5.18	4.44	4.42	1.34	3.46	4.08
18	3.95	4.78	4.82	4.82	5.54	5.57	5.15	4.46	4.36	.64	3.50	4.09
19	3.98	4.79	4.80	4.86	5.55	5.59	5.14	4.48	4.33	.88	3.54	4.11
20	4.01	4.81	4.78	4.89	5.57	5.60	5.14	4.53	4.30	1.05	3.57	4.13
21	4.04	4.83	4.76	4.92	5.60	5.61	5.12	4.56	4.28	1.27	3.62	4.14
22	4.06	4.86	4.74	4.95	5.62	5.62	5.11	4.61	4.24	1.47	3.65	4.17
23	4.08	4.82	4.73	4.97	5.63	5.64	5.11	4.65	4.20	1.50	3.68	4.18
24	4.11	4.84	4.73	4.99	5.65	5.65	4.10	4.67	4.18	1.66	3.70	4.20
25	4.15	4.82	4.74	5.01	5.65	5.66	5.09	4.71	4.17	1.78	3.74	4.20
26	4.16	4.81	4.76	5.03	5.66	5.67	5.08	4.60	4.13	1.93	3.76	4.22
27	4.18	4.81	4.78	5.06	5.66	5.67	5.09	4.34	4.10	2.06	3.79	4.24
28	4.20	4.82	4.80	5.08	5.66	5.68	5.09	4.18	4.05	2.17	3.82	4.26
29	4.24		4.83	5.10	5.65	5.73	5.10	4.10	4.01	2.26	3.85	4.27
30	4.26		4.86	5.12	5.64	5.74	5.11	4.07	3.97	2.38	3.86	4.26
31	4.30		4.85		5.63		5.13	4.06		2.47		4.26

G66. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 57 S., R. 38 E. Records available: 1940-43, 1945, 1947, 1949. No measurement made in 1950.

G67. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 55 S., R. 40 E. Records available: 1940-43, 1945, 1949. No measurement made in 1950.

G72. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 52 S., R. 39 E. Records available: 1940-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	+0.42	0.25	1.47	2.25	2.39	1.84	2.60	2.05	0.59	0.80	+0.04	+0.18
2	+.41	.27	1.55	2.31	2.44	1.83	2.49	2.13	.63	.81	+.05	+.17
3	+.40	.28	1.65	2.41	2.49	1.96	2.50	2.15	.56	.79	+.05	+.14
4	+.38	.31	1.70	2.45	2.56	2.05	1.51	2.22	.56	.79	+.10	+.13
5	+.36	.33	1.75	.91	2.62	2.13	1.19	2.28	.57	.53	+.12	+.12
6	+.35	.36	1.85	1.00	2.70	1.60	.65	2.37	.53	.47	+.12	+.11
7	+.33	.38	1.89	1.06	2.77	1.87	.71	2.41	.55	.45	+.13	+.13
8	+.31	.42	2.00	1.12	2.83	1.68	.66	1.65	.60	.34	+.13	+.12
9	+.29	.43	2.10	1.19	2.87	1.67	.43	1.15	.64	.35	+.14	+.11
10	+.27	.46	2.20	1.26	2.95	1.85	.39	1.24	.71	.32	+.15	+.11
11	+.25	.50	2.25	1.31	2.99	1.94	.41	1.28	.71	.31	+.15	+.10
12	+.22	.53	2.31	1.39	3.06	1.21	.44	1.18	.75	.31	+.15	+.08
13	+.20	.56	2.37	1.48	3.08	1.41	.49	.94	.78	.33	+.15	+.07
14	+.18	.60	2.40	1.57	3.12	1.31	.55	.96	.83	.29	+.15	+.05
15	+.15	.63	2.42	1.68	3.16	1.63	.57	1.00	.89	.27	+.20	+.04
16	+.13	.67	2.09	1.76	3.19	1.80	.65	1.02	.94	.27	+.20	+.02
17	+.11	.73	2.28	1.83	3.03	1.92	.71	1.07	.97	.15	+.20	+.01
18	+.09	.83	2.33	1.87	2.91	1.99	.78	1.14	.99	.00	+.19	.01
19	+.07	.89	1.71	1.93	2.89	1.91	.87	.54	.99	+.02	+.18	.02
20	+.04	.99	1.81	1.98	2.95	2.01	.98	.72	1.01	+.04	+.18	.05
21	+.03	1.05	1.89	2.05	2.99	2.11	1.02	.78	1.01	+.05	+.18	.08

G72--Continued.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
22	0.00	1.09	1.95	2.11	2.99	2.21	1.09	0.79	0.89	+0.07	+0.18	0.10
23	.03	1.14	2.05	2.18	2.79	2.29	1.18	.87	1.01	+ .07	+ .17	.12
24	.05	1.19	2.13	2.26	2.39	2.39	1.08	.94	1.07	+ .08	+ .21	.14
25	.07	1.23	2.21	1.78	2.27	2.47	1.21	.95	1.07	+ .08	+ .22	.19
26	.09	1.28	2.25	1.91	2.24	2.56	1.35	.57	1.10	+ .08	+ .22	.21
27	.11	1.35	2.31	2.03	2.31	2.50	1.47	.51	1.14	+ .07	+ .22	.21
28	.14	1.41	2.21	2.14	2.33	2.33	1.57	.50	.71	+ .05	+ .22	.23
29	.15		1.95	2.25	2.29	2.40	1.70	.49	.73	+ .05	+ .22	.25
30	.20		2.08	2.33	1.97	2.53	1.83	.51	.76	+ .04	+ .20	.27
31	.22		2.19		1.92		1.95	.54		+ .03		.20

No measurement made in 1950 in wells G82, G105, G107, G108, G112, G115, G117, G119, G121, G123, and G165.

G195. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 53 S., R. 41 E. Records available: 1941-50. Destroyed, measurement discontinued. Jan. 30, 4.39; Feb. 27, 4.67; Mar. 29, 4.12; Apr. 27, 4.08; May 29, 3.94; June 27, 4.09; July 26, 3.84.

G199. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 53 S., R. 41 E. Records available: 1941-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	3.19	Mar. 29	2.82	May 29	2.73	July 28	2.73
Feb. 27	3.45	Apr. 27	2.95	June 27	2.95	Oct. 30	2.20

G218. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 53 S., R. 40 E. Records available: 1945-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	+0.48	+0.05	1.01	1.61	1.86	2.01	1.85	1.83	0.67	1.14	+0.36	.....
2	+ .46	+ .03	1.04	1.64	1.97	1.86	1.75	1.81	.63	.91	+ .35	.....
3	+ .43	.01	1.10	1.70	1.99	1.94	....	1.51	.56	.87	+ .42	.....
4	+ .43	.03	1.15	1.77	2.02	2.03	....	1.53	.51	.89	+ .43	.....
5	+ .40	.06	1.19	.71	2.05	1.90	....	1.33	.51	.49	+ .43	.....
6	+ .40	.07	1.21	.70	2.11	1.83	....	1.32	.43	.23	.....	.....
7	+ .37	.11	1.25	.78	2.15	1.75	....	1.17	.51	.21	.....	.....
8	+ .36	.14	1.29	.79	2.20	1.70	....	.80	.58	.03	.....	.....
9	+ .35	.18	1.33	.86	2.24	1.70	....	.68	.61	+ .02	.....	.....
10	+ .32	.23	1.37	.93	2.29	1.80	....	.74	.67	+ .02	.....	.....
11	+ .32	.31	1.40	1.01	2.33	1.88	....	.63	.72	+ .04	.....	.....
12	+ .30	.35	1.43	1.09	2.37	1.95	....	.60	.77	+ .05	.....	+0.25
13	+ .30	.41	1.47	1.17	2.42	1.97	....	.53	.81	+ .05	.....	+ .25
14	+ .28	.46	1.51	1.25	2.45	1.99	....	.60	.87	+ .03	.....	+ .24
15	+ .27	.54	1.51	1.33	2.48	2.02	....	.67	.91	+ .05	.....	+ .24
16	+ .25	.60	1.51	1.39	2.49	2.05	....	.77	.97	+ .12	.....	+ .24
17	+ .25	.67	1.55	1.45	2.49	2.05	....	.89	1.01	+ .25	.....	+ .23
18	+ .24	.74	1.28	1.55	2.49	2.02	....	.98	1.08	+ .35	.....	+ .23
19	+ .22	.80	1.22	1.58	2.49	1.99	....	1.02	1.15	+ .36	.....	+ .22
20	+ .21	.85	1.18	1.63	2.49	2.00	....	1.10	1.20	+ .36	.....	+ .21
21	+ .19	.90	1.22	1.66	2.53	2.05	....	1.17	1.25	+ .36	.....	+ .18
22	+ .16	.95	1.25	1.71	2.53	2.05	....	1.17	1.21	+ .36	.....	+ .17
23	+ .15	.80	1.28	1.78	2.39	2.13	....	1.25	.88	+ .36	.....	+ .17
24	+ .15	.73	1.34	1.81	1.99	2.15	....	1.28	1.01	+ .36	.....	+ .12
25	+ .15	.73	1.36	1.82	1.91	2.19	....	1.37	1.08	+ .38	.....	+ .10
26	+ .14	.79	1.40	1.79	1.91	2.20	....	.60	1.12	+ .38	.....	+ .10
27	+ .13	.85	1.43	1.76	1.93	1.70	....	.40	1.18	+ .39	.....	+ .10
28	+ .12	.91	1.46	1.76	2.00	1.67	....	.40	.97	+ .38	.....	+ .09
29	+ .09		1.49	1.79	2.02	1.68	....	.45	1.02	+ .37	.....	+ .09
30	+ .08		1.53	1.83	2.04	1.75	....	.50	1.07	+ .37	.....	+ .09
31	+ .05		1.57		2.04		....	.57		+ .36		+ .20

G231. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 55 S., R. 41 E. Records available: 1941-43, 1945, 1947, 1949-50.

G231--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	9.76	June 5	9.53	Oct. 31	8.50	Nov. 3	8.55
Mar. 28	9.70	Aug. 28	8.69	Nov. 1	8.53	Dec. 4	9.14
Apr. 27	9.41	Oct. 4	8.79	2	8.59		

G232. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 55 S., R. 40 E. Records available: 1941-43, 1945, 1947, 1949-50.

Feb. 1	17.82	May 5	17.89	Oct. 31	16.56	Nov. 3	16.71
Mar. 28	17.97	Aug. 28	16.97	Nov. 1	16.60	Dec. 4	17.35
Apr. 27	17.63	Oct. 4	16.92	2	16.66		

G235. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 55 S., R. 40 E. Records available: 1941-43, 1945, 1947, 1949-50. Aug. 28, 6.60; Oct. 31, 4.36; Nov. 1, 4.49; Nov. 2, 4.63; Nov. 3, 4.72; Dec. 4, 6.14.

G238. U. S. Geol. Survey. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 55 S., R. 40 E. Records available: 1941-44, 1947, 1949-50. Aug. 28, 8.08; Oct. 31, 4.52; Nov. 1, 4.63; Nov. 2, 4.70; Nov. 3, 4.77; Dec. 4, 6.80.

G254. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, T. 54 S., R. 41 E. Records available: 1941-43, 1945, 1947, 1949-50. Aug. 28, 13.68; Oct. 31, 13.82; Nov. 1, 13.83; Nov. 2, 13.82; Nov. 3, 13.83; Dec. 4, 14.20.

G272. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 53 S., R. 40 E. Records available: 1941-43, 1945, 1949. No measurement made in 1950.

G275. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T. 53 S., R. 40 E. Records available: 1941-43, 1945, 1949. No measurement made in 1950.

G277. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 56 S., R. 40 E. Records available: 1941-43, 1945, 1947, 1949-50. Feb. 1, 8.18; Mar. 28, 8.88; May 1, 8.65; June 1, 8.57; July 11, 8.71; Oct. 4, 6.84.

No measurement made in 1950 in wells G282, G283, and G285.

G348. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1943-50. Jan. 30, 5.02; Feb. 27, 5.64; Mar. 29, 4.59; Apr. 27, 4.71; May 29, 4.51; June 27, 4.96.

G349. U. S. Geol. Survey. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1943-50.

Jan. 30	5.28	Mar. 29	4.89	May 29	4.94	July 26	4.82
Feb. 27	5.91	Apr. 27	5.16	June 27	5.37	Oct. 30	4.14

G350. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 54 S., R. 40 E. Records available: 1944-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.77	4.90	4.99	4.74	5.12	5.20	5.42	4.95	4.89	4.60	4.32	4.74
2	3.84	4.94	4.85	4.77	5.16	5.16	5.41	4.95	4.94	4.63	4.36	4.70
3	3.91	4.97	4.81	4.80	5.20	5.15	5.26	4.95	4.89	4.37	4.34	4.67
4	3.98	5.00	4.78	4.84	5.23	5.16	5.22	4.94	4.95	4.11	4.26	4.68
5	4.05	5.01	4.77	4.86	5.25	5.16	5.14	4.93	4.98	4.00	4.32	4.73
6	4.09	5.02	4.76	4.60	5.28	5.19	5.08	4.95	5.01	3.41	4.39	4.68
7	4.15	5.04	4.74	4.59	5.32	5.21	5.09	4.84	5.08	3.62	4.39	4.57
8	4.15	5.05	4.72	4.51	5.35	5.21	5.08	4.84	5.12	3.76	4.40	4.53
9	4.21	5.08	4.70	4.50	5.39	5.21	5.03	4.72	5.15	3.83	4.40	4.52
10	4.26	5.09	4.70	4.50	5.42	5.20	5.14	4.87	5.18	3.93	4.44	4.50
11	4.33	5.11	4.71	4.56	5.46	5.16	5.24	4.77	5.12	4.01	4.47	4.51
12	....	5.13	4.73	4.62	5.48	5.14	5.33	4.71	5.05	4.12	4.49	4.54
13	4.38	5.13	4.74	4.64	5.50	5.18	5.39	4.44	5.03	4.25	4.52	4.57
14	4.43	5.17	4.75	4.69	5.51	5.18	5.40	4.41	5.00	3.27	4.55	4.59
15	4.46	5.21	4.70	4.81	5.52	5.19	5.24	4.74	4.94	3.15	4.54	4.52
16	4.50	5.24	4.67	4.88	5.53	5.19	5.12	4.83	4.74	2.94	4.55	4.42
17	4.53	5.25	4.65	4.91	5.53	5.19	5.13	4.93	4.66	3.25	4.59	4.40
18	4.55	5.26	4.65	4.93	5.54	5.20	5.16	....	4.63	2.56	4.62	4.55
19	....	5.28	4.55	4.94	5.55	5.24	5.10	....	4.63	2.98	4.62	4.60

G350--Continued.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
20	4.59	5.29	4.50	4.96	5.57	5.26	5.03	....	4.59	3.14	4.61	4.62
21	4.64	5.31	4.48	4.97	5.58	5.28	4.99	....	4.58	3.35	4.67	4.61
22	4.66	5.32	4.47	4.97	5.59	5.29	4.88	....	4.49	3.49	4.70	4.61
23	4.67	5.29	4.46	5.00	5.58	....	4.85	....	4.43	3.58	4.74	4.60
24	4.69	5.28	4.50	5.02	5.53	....	4.84	....	4.39	3.65	4.58	4.61
25	4.71	5.27	4.51	5.03	5.51	....	4.86	4.77	4.39	3.73	4.54	4.62
26	4.71	5.27	4.54	5.03	5.33	....	4.88	4.81	4.36	3.88	4.57	4.63
27	4.73	5.28	4.60	5.04	5.29	....	4.93	4.35	4.29	4.00	4.61	4.63
28	4.75	5.29	4.63	5.04	5.27	....	4.94	4.35	4.27	4.08	4.64	4.61
29	4.79		4.65	5.06	5.27	5.39	4.95	4.49	4.46	4.16	4.71	4.56
30	4.83		4.69	5.07	5.27	5.40	4.94	4.64	4.54	4.23	4.75	4.50
31	4.87		4.71		5.26		4.95	4.78		4.28		4.35

G353. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 53 S., R. 41 E. Records available: 1944-50. Jan. 30, 3.84; Feb. 27, 4.17; Mar. 29, 3.99; Apr. 27, 3.89; May 29, 3.88; June 27, 4.00; July 26, 3.38.

G354. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 53 S., R. 41 E. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	5.51	Apr. 27	5.29	July 26	5.09	Oct. 2	4.70
Feb. 27	5.74	May 29	5.09	Aug. 30	4.52	30	4.51
Mar. 29	5.34	June 27	5.34				

G355. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 53 S., R. 41 E. Records available: 1944-50.

Jan. 30	3.47	Apr. 27	3.19	July 27	3.01	Oct. 30	2.40
Feb. 27	3.72	May 29	3.02	Aug. 30	2.43	Dec. 5	3.13
Mar. 29	3.23	June 27	3.25	Oct. 2	2.59		

G356. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 53 S., R. 41 E. Records available: 1944-50.

Jan. 30	5.26	Apr. 27	4.92	July 26	4.76	Oct. 30	4.26
Feb. 27	5.50	May 29	4.76	Aug. 30	4.20	Dec. 5	4.99
Mar. 29	4.94	June 27	4.94	Oct. 2	4.33		

G357. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1945-50. Feb. 27, 5.09; Mar. 29, 4.20; Apr. 27, 4.22; May 29, 4.06; June 27, 4.55, July 26, 3.82; Oct. 30, 2.94.

G431. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 54 S., R. 41 E. Records available: 1946-49. No measurement made in 1950.

G432. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 54 S., R. 41 E. Records available: 1946-50. Jan. 6, 10.26; Feb. 2, 10.85.

G435. U. S. Geol. Survey. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1946-50.

Jan. 30	5.54	Mar. 29	5.39	May 29	5.37	July 26	5.15
Feb. 27	6.22	Apr. 27	5.45	June 27	5.41	Oct. 30	4.41

G436. U. S. Geol. Survey. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1946-50.

Jan. 30	5.77	Mar. 29	5.49	May 29	5.50	July 26	5.37
Feb. 27	6.45	Apr. 27	5.64	June 27	5.66	Oct. 30	4.62

G437. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1946-50.

Jan. 30	3.18	Mar. 29	2.48	May 29	2.97	July 26	3.05
Feb. 27	3.75	Apr. 27	2.80	June 27	3.14	Oct. 30	2.47

G438. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	4.52	Mar. 29	3.99	May 29	4.17	July 26	4.17
Feb. 27	5.16	Apr. 27	4.20	June 27	4.29	Oct. 30	3.42

G439. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1946-50.

Jan. 30	5.42	Mar. 29	4.86	May 29	4.83	July 26	4.92
Feb. 27	5.80	Apr. 27	5.16	June 27	5.16	Oct. 30	4.34

G440. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1946-50.

Jan. 30	5.89	Mar. 29	5.20	May 29	5.40	July 26	5.50
Feb. 27	6.40	Apr. 27	5.50	June 27	5.62	Oct. 30	4.76

G441. U. S. Geol. Survey. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1946-50.

Jan. 30	8.03	Mar. 29	7.70	May 29	7.60	July 26	7.78
Feb. 27	8.57	Apr. 27	7.80	June 27	8.05	Oct. 30	6.40

G447. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 55 S., R. 39 E. Records available: 1947-50.

Feb. 1	5.13	June 6	6.41	Oct. 4	4.49	Nov. 2	3.49
Mar. 27	6.05	July 5	6.81	31	3.39	3	3.55
May 1	6.68	Aug. 8	3.99	Nov. 1	3.37	Dec. 4	4.61

G448. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 55 S., R. 40 E. Records available: 1947-50.

Feb. 1	3.38	June 5	4.89	Oct. 4	2.61	Nov. 2	0.64
Mar. 27	4.55	July 5	4.97	31	.47	3	.70
May 1	4.93	Aug. 28	2.65	Nov. 1	.55	Dec. 4	2.42

G449. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 55 S., R. 40 E. Records available: 1947-50. Feb. 1, 9.36; Mar. 27, 10.41; May 1, 11.73; June 5, 11.57; July 5, 11.83; Oct. 4, 9.42.

G450. U. S. Geol. Survey. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 55 S., R. 40 E. Records available: 1947-50. Feb. 1, 6.45; Mar. 27, 7.44; May 1, 7.53; June 5, 7.55; July 10, 7.75; Oct. 4, 5.46.

G475. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 56 S., R. 40 E. Records available: 1947-50. Feb. 1, 2.80; Mar. 28, 3.41; May 1, 3.14; June 1, 3.01; July 11, 3.09; Oct. 4, 1.55.

G476. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 55 S., R. 40 E. Records available: 1947-50.

Daily high and low water level, from recorder graph

Date	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	10.15	10.43	11.12	11.43	11.13	11.45	11.25	11.71	10.86	11.32	11.05	11.58
2	10.22	10.51	11.11	11.46	11.13	11.58	11.16	11.61	10.83	11.37	11.15	11.63
3	10.36	10.66	11.15	11.55	11.93	11.48	11.11	11.61	10.88	11.40	11.18	11.72
4	10.39	10.73	11.14	11.54	10.91	11.29	11.07	11.53	10.96	11.50	11.31	11.78
5	10.49	10.91	10.99	11.52	10.93	11.37	11.06	11.53	11.01	11.45	11.34	11.74
6	10.63	11.07	10.79	11.21	10.99	11.45	11.03	11.61	11.01	11.43	11.25	11.57
7	10.84	11.25	10.88	11.33	10.99	11.43	11.19	11.57	11.07	11.57	11.14	11.42
8	10.59	11.17	10.93	11.32	11.05	11.55	11.06	11.42	11.22	11.66	11.01	11.30
9	10.43	10.79	10.92	11.29	11.13	11.58	10.93	11.23	11.31	11.64	11.00	11.29
10	10.56	11.02	10.97	11.39	11.27	11.63	10.90	11.12	11.23	11.59	11.03	11.40
11	10.77	11.23	11.07	11.41	11.14	11.44	10.85	11.17	11.23	11.65	11.11	11.48
12	10.92	11.28	10.96	11.47	11.10	11.50	10.98	11.31	11.27	11.68	11.21	11.63
13	10.94	11.33	10.88	11.25	11.21	11.61	10.95	11.30	11.25	11.67	11.23	11.62
14	11.04	11.39	10.93	11.27	11.40	11.73	10.94	11.30	11.26	11.63	11.24	11.63

G476--Continued.

Daily high and low water levels, from recorder graph

Date	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
15	11.01	11.39	11.10	11.55	11.33	11.74	10.99	11.37	11.34	11.75	11.15	11.57
16	11.03	11.38	11.22	11.62	11.32	11.73	10.88	11.33	11.31	11.77	11.10	11.48
17	11.01	11.45	11.17	11.63	11.25	11.75	10.73	11.10	11.19	11.59	11.10	11.47
18	10.89	11.37	11.14	11.60	11.12	11.56	10.72	11.09	11.02	11.42	11.10	11.52
19	10.83	11.23	11.11	11.51	11.07	11.46	10.77	11.25	10.99	11.37	11.15	11.55
20	10.88	11.31	11.04	11.41	11.11	11.51	10.96	11.43	10.98	11.33	11.17	11.57
21	10.93	11.31	11.04	11.39	11.17	11.59	11.13	.....	10.98	11.35	11.23	11.62
22	10.90	11.26	11.06	11.36	11.25	11.70	11.07	11.45	11.00	11.32	11.29	11.72
23	10.93	11.27	11.08	11.49	11.39	11.71	11.11	11.39	11.01	11.45	11.35	11.71
24	10.87	11.19	11.18	11.49	11.32	11.61	11.08	.....	11.05	11.40	11.33	11.85
25	10.90	11.17	11.26	11.53	11.31	11.67	11.09	11.35	10.94	11.27	11.36	11.79
26	10.93	11.31	11.26	11.55	11.33	11.63	11.06	.....	10.93	11.28	11.37	11.90
27	11.07	11.31	11.20	11.61	11.19	11.56	11.05	.....	10.98	11.39	11.37	11.88
28	11.08	11.36	11.11	11.45	11.28	11.58	11.02	11.35	10.91	11.31	11.39	11.92
29	11.07	11.39			11.39	11.76	11.01	11.49	10.89	11.33	11.45	11.97
30	11.14	11.43			11.50	11.90	10.96		10.93	11.41	11.41	11.94
31	11.07	11.48			11.39	11.92			10.96	11.45		

Daily high and low water levels, from recorder graph

Date	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	11.43	11.86	10.92	11.31	10.52	10.88	10.25	10.55	9.60	9.87	10.80	11.07
2	11.29	11.70	10.95	11.36	10.54	10.84	10.20	10.51	9.67	9.95	10.75	11.05
3	11.27	11.74	11.01	11.37	10.07	10.45	10.29	10.57	9.72	9.99	10.68	10.99
4	11.32	11.64	11.04	11.44	10.54	10.71	10.27	10.55	.....	.....	10.75	11.11
5	.....	.....	11.21	11.63	10.53	10.79	10.29	10.56	.....	.....	10.83	11.15
6	.....	.....	11.29	11.62	10.60	10.90	10.16	10.51	.....	.....	10.79	11.18
7	.....	.....	11.25	11.60	10.69	10.93	.....	.....	.....	.....	10.82	11.18
8	11.31	11.73	11.03	11.43	10.65	10.94	.....	.....	.....	.....	10.85	11.27
9	11.29	11.65	10.99	11.31	10.57	10.93	.....	.....	.....	.....	10.77	11.26
10	.....	.....	10.94	11.26	10.49	10.85	.....	.....	9.99	10.37	10.63	11.21
11	.....	.....	10.90	11.23	10.37	10.80	.....	.....	10.01	10.46	10.63	11.05
12	.....	.....	10.89	11.29	10.32	10.69	.....	.....	10.06	10.44	10.65	11.09
13	.....	.....	10.74	11.17	10.33	10.72	9.90	10.26	10.12	10.53	10.72	11.11
14	.....	.....	10.66	11.07	10.35	10.76	9.80	10.26	10.15	10.53	10.77	11.12
15	.....	.....	10.50	10.95	10.45	10.85	9.51	10.07	10.14	10.43	10.82	11.18
16	.....	.....	10.42	10.84	10.47	10.87	9.33	9.66	10.13	10.45	10.91	11.23
17	.....	.....	10.40	10.78	10.55	10.93	8.35	9.41	10.18	10.49	10.87	11.22
18	.....	.....	10.43	10.82	10.57	10.95	8.19	8.62	10.27	10.57	10.99	11.27
19	.....	.....	10.39	10.79	10.59	10.91	8.49	8.95	10.21	10.47	11.01	11.31
20	.....	.....	10.51	10.89	10.45	10.77	8.75	9.05	10.24	10.57	10.99	11.31
21	.....	.....	10.63	11.01	10.38	10.73	8.91	9.22	10.39	10.67	10.93	11.32
22	11.05	11.42	10.63	10.99	.....	.....	9.02	9.33	10.42	10.74	10.97	11.27
23	11.05	11.42	10.64	11.03	10.47	10.82	9.18	9.48	10.55	10.85	11.00	11.35
24	11.01	11.37	10.63	11.00	10.45	10.78	9.30	9.57	10.53	10.85	10.99	11.34
25	11.00	11.41	10.44	10.82	10.42	10.80	9.30	9.65	10.63	11.11	11.05	11.39
26	10.99	11.40	10.35	10.70	10.31	10.74	9.30	9.62	10.85	11.31	10.97	11.39
27	10.97	11.42	10.29	10.68	10.25	10.57	9.33	9.63	10.83	11.17	10.95	11.29
28	11.02	11.47	10.30	10.67	10.18	10.56	9.41	9.71	10.85	11.17	10.84	11.19
29	11.03	11.45	10.29	10.64	10.19	10.45	9.45	9.73	10.87	11.22	10.78	11.10
30	10.96	11.35	10.30	10.63	10.20	10.54	9.51	9.75	10.81	11.12	10.74	11.05
31	10.93	11.30	10.46	10.76			9.55	9.83			10.77	11.15

G490. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 53 S., R. 41 E. Records available: 1947-50.

Daily high and low water levels, from recorder graph

Date	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	3.57	3.82	4.53	4.78	4.57	4.84	4.37	4.60	4.10	4.32	4.02	4.39
2	3.56	3.82	4.55	4.81	4.60	4.87	4.34	4.54	4.09	4.33	4.15	4.40
3	3.58	3.85	4.57	4.85	4.47	4.87	4.30	4.52	4.12	4.38	4.17	4.38
4	3.58	3.88	4.55	4.83	4.42	4.75	4.28	4.51	4.19	4.42	4.20	4.38
5	3.67	4.02	4.48	4.82	4.46	4.81	4.14	4.45	4.22	4.42	4.00	4.30
6	3.79	4.11	4.36	4.67	4.50	4.84	3.99	4.57	4.23	4.44	4.08	4.27
7	3.93	4.25	4.40	4.71	4.49	4.84	4.31	4.59	4.30	4.53	4.00	4.20
8	3.93	4.23	4.39	4.67	4.53	4.89	4.25	4.52	4.39	4.58	3.99	4.25

G490--Continued.

Daily high and low water levels, from recorder graph

Date	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
9	3.83	4.10	4.39	4.70	4.65	5.01	4.20	4.42	4.45	4.60	4.02	4.20
10	3.88	4.20	4.43	4.73	4.76	5.07	4.18	4.44	4.44	4.60	3.99	4.15
11	3.97	4.30	4.50	4.74	4.67	4.91	4.17	4.41	4.45	4.61	3.96	4.12
12	4.08	4.32	4.46	4.78	4.65	4.92	4.25	4.51	4.42	4.61	3.97	4.20
13	4.12	4.38	4.41	4.71	4.69	4.94	4.20	4.48	4.43	4.60	4.03	4.28
14	4.21	4.46	4.44	4.70	4.83	5.07	4.18	4.45	4.45	4.62	4.08	4.28
15	4.23	4.50	4.56	4.83	4.81	5.11	4.19	4.48	4.46	4.64	4.06	4.24
16	4.23	4.52	4.62	4.89	4.78	5.06	4.24	4.43	4.47	4.63	4.01	4.21
17	4.30	4.58	4.63	4.91	4.78	5.06	4.06	4.28	4.41	4.60	3.99	4.16
18	4.22	4.57	4.63	4.91	4.55	5.00	4.02	4.22	4.32	4.50	4.00	4.33
19	4.15	4.46	4.59	4.86	4.39	4.63	4.05	4.25	4.31	4.46	4.11	4.30
20	4.20	4.56	4.51	4.78	4.31	4.45	4.11	4.30	4.26	4.40	4.09	4.28
21	4.30	4.56	4.50	4.78	4.29	....	4.14	4.35	4.26	4.43	4.13	4.33
22	4.27	4.53	4.48	4.73	4.29	....	4.19	4.40	4.26	4.42	4.20	4.38
23	4.25	4.50	4.42	4.75	4.33	4.49	4.23	4.36	4.28	4.45	4.26	4.39
24	4.23	4.51	4.56	4.76	4.31	4.44	4.18	4.33	4.00	4.42	4.23	4.41
25	4.28	4.53	4.60	4.83	4.30	4.45	4.18	4.36	4.03	4.19	4.25	4.45
26	4.35	4.62	4.61	4.85	4.31	4.44	4.20	4.36	4.00	4.16	4.29	4.47
27	4.45	4.65	4.63	4.86	4.24	4.42	4.17	4.35	4.01	4.19	4.28	4.49
28	4.45	4.65	4.60	4.83	4.26	4.39	4.15	4.33	4.00	4.20	4.30	4.52
29	4.45	4.68			4.32	4.46	4.15	4.33	4.00	4.21	4.35	4.56
30	4.50	4.70			4.45	4.64	4.14	4.36	4.03	4.25	4.36	4.58
31	4.50	4.78			4.47	4.67			4.03	4.35		

Daily high and low water levels, from recorder graph

Date	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	4.38	4.59	4.00	3.20	3.86	4.11	3.70	3.95	3.50	3.73	4.10	4.31
2	4.31	4.53	4.03	3.20	3.89	4.17	3.60	3.80	3.53	3.76	4.05	4.27
3	4.22	4.42	3.88	3.25	3.59	4.00	3.66	3.87	3.54	3.76	4.00	4.23
4	4.22	4.48	4.03	3.27	3.66	3.98	3.70	3.92	3.53	3.76	4.04	4.35
5	4.27	4.48	4.15	3.35	3.75	3.98	3.53	3.79	3.65	3.92	4.11	4.39
6	4.25	4.53	4.16	3.32	3.74	4.02	3.12	3.34	3.82	4.09	4.11	4.41
7	4.34	4.54	4.15	3.30	3.87	4.10	3.12	3.42	3.73	4.09	4.12	4.47
8	4.34	4.54	3.75	3.27	3.89	4.14	3.20	3.53	3.69	4.05	4.16	4.48
9	4.16	4.54	3.72	3.93	3.89	4.19	3.17	3.50	3.65	4.02	4.14	4.48
10	4.03	4.33	3.69	3.96	3.86	4.18	3.20	3.55	3.65	4.01	4.06	4.47
11	4.04	4.31	3.75	4.00	3.81	4.14	3.28	3.64	3.65	4.04	4.06	4.36
12	4.20	4.48	3.77	4.11	3.79	4.10	3.35	3.70	3.68	4.01	4.07	4.36
13	4.26	4.51	3.71	4.08	3.83	4.15	3.43	3.77	3.74	4.08	4.08	4.38
14	4.20	4.42	3.69	4.03	3.90	4.21	2.75	3.77	3.76	4.08	4.14	4.40
15	4.09	4.40	3.63	3.98	3.78	4.26	2.66	3.04	3.77	4.04	4.16	4.43
16	4.11	4.34	3.63	3.94	3.65	3.91	2.65	2.96	3.77	4.03	4.24	4.47
17	4.13	4.39	3.61	3.93	3.68	3.88	1.88	3.02	3.77	4.03	4.21	4.46
18	4.13	4.36	3.69	3.99	3.72	3.95	2.22	2.55	3.84	4.06	4.30	4.54
19	4.08	4.28	3.66	4.01	3.75	3.94	2.45	2.90	3.82	4.06	4.34	4.57
20	4.04	4.23	3.78	4.12	3.67	3.81	2.67	2.98	3.81	4.06	4.37	4.57
21	4.01	4.25	3.88	4.22	3.63	3.77	2.85	3.15	3.89	4.15	4.36	4.59
22	....	....	3.84	4.01	3.58	3.75	2.95	3.26	3.95	4.22	4.36	4.60
23	....	....	3.81	4.01	3.55	3.75	3.12	3.40	4.06	4.29	4.40	4.62
24	....	....	3.79	4.00	3.59	3.81	3.17	3.48	3.85	4.33	4.39	4.63
25	....	....	3.76	3.96	3.65	3.84	3.22	3.52	3.88	4.24	4.43	4.67
26	4.07	4.28	3.40	3.91	3.64	3.85	3.22	3.43	4.09	4.36	4.37	4.67
27	4.03	4.24	3.31	3.65	3.60	3.85	3.27	3.57	4.07	4.33	4.29	4.59
28	4.03	4.23	3.32	3.67	3.54	3.78	3.33	3.61	4.11	4.35	4.23	4.49
29	4.00	4.20	3.40	3.73	3.62	3.85	3.40	3.67	4.11	4.37	4.19	4.42
30	3.98	4.17	3.45	3.78	3.64	3.92	3.47	3.71	4.10	4.34	4.17	4.39
31	3.97	4.17	3.63	3.94			3.48	3.73			4.14	4.47

G518. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 56 S., R. 40 E. Records available: 1947-50.

Daily high and low water levels, from recorder graph

Date	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	3.63	3.76	4.29	4.23	4.39	4.47	4.96	4.99	4.32	4.42	4.33	4.47
2	3.75	3.82	4.32	4.39	4.47	4.53	4.97	5.00	4.37	4.43	4.35	4.51
3	3.79	3.88	4.35	4.39	4.53	4.55	4.99	5.01	4.42	4.53	4.44	4.59

G518--Continued.

Daily high and low water levels, from recorder graph

Date	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
4	3.85	3.94	4.36	4.39	4.51	4.55	4.99	5.02	4.53	4.63	4.55	4.67
5	3.91	4.01	4.34	4.39	4.51	4.56	3.62	5.02	4.63	4.71	4.62	4.72
6	3.96	4.09	4.31	4.36	4.49	4.60	3.61	4.13	4.71	4.77	4.66	4.72
7	4.07	4.15	4.33	4.36	4.53	4.60	4.09	4.29	4.77	4.85	4.45	4.72
8	3.90	4.15	4.34	4.36	4.59	4.67	4.19	4.23	4.85	4.93	4.36	4.47
9	3.84	3.96	4.32	4.35	4.66	4.69	4.23	4.29	4.93	4.99	4.43	4.52
10	3.92	4.08	4.33	4.38	4.69	4.71	4.29	4.35	4.99	5.03	4.53	4.60
11	4.05	4.14	4.37	4.40	4.70	4.71	4.35	4.41	5.03	5.07	4.60	4.69
12	4.11	4.19	4.38	4.43	4.68	4.72	4.41	4.46	5.07	5.09	4.71	4.76
13	4.15	4.22	4.39	4.43	4.71	4.74	4.46	4.50	5.08	5.11	4.73	4.80
14	4.21	4.25	4.41	4.47	4.68	4.75	4.50	4.53	5.10	5.12	4.76	4.84
15	4.23	4.29	4.46	4.50	4.54	4.68	4.53	4.59	5.12	5.15	4.77	4.85
16	4.26	4.33	4.50	4.53	4.55	4.62	4.59	4.63	4.36	5.16	4.80	4.87
17	4.30	4.36	4.53	4.57	4.62	4.69	4.59	4.63	4.05	4.43	4.79	4.83
18	4.29	4.35	4.55	4.57	4.68	4.70	4.56	4.59	4.09	4.29	4.80	4.87
19	4.25	4.30	4.53	4.57	4.43	4.68	4.59	4.61	4.29	4.42	4.87	4.92
20	4.20	4.23	4.54	4.56	4.36	4.43	4.61	4.66	4.43	4.57	4.87	4.92
21	4.17	4.23	4.53	4.56	4.36	4.44	4.67	4.72	4.57	4.67	4.93	4.99
22	4.15	4.17	4.53	4.56	4.44	4.47	4.72	4.76	4.67	4.69	4.99	5.04
23	4.06	4.17	4.18	4.55	4.47	4.64	4.76	4.79	4.11	4.69	5.04	5.07
24	4.04	4.09	4.13	4.17	4.59	4.66	4.79	4.81	3.03	4.11	5.06	5.10
25	4.08	4.11	4.11	4.13	4.66	4.71	2.52	4.81	3.15	3.78	5.09	5.13
26	4.10	4.16	4.11	4.19	4.71	4.73	3.33	4.01	3.75	4.02	5.11	5.15
27	4.15	4.19	4.19	4.30	4.73	4.78	3.97	4.06	4.01	4.19	4.83	5.15
28	4.18	4.21	4.30	4.39	4.78	4.83	4.01	4.08	4.14	4.24	4.81	4.85
29	4.20	4.24			4.83	4.88	4.09	4.20	4.19	4.30	4.88	5.05
30	4.23	4.27			4.88	4.94	4.20	4.32	4.26	4.39	5.05	5.15
31	4.26	4.31			4.94	4.98			4.31	4.45		

Daily high and low water levels, from recorder graph

Date	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	5.15	5.22	4.49	4.53	3.67	3.80	3.11	3.21	2.54	2.60	3.62	3.64
2	5.08	5.22	4.48	4.53	4.71	3.85	3.03	3.19	2.58	2.63	3.60	3.63
3	4.96	5.08	4.41	4.48	3.23	3.71	2.82	3.05	2.64	2.69	3.60	3.63
4	4.49	4.57	4.37	4.41	3.47	3.56	2.82	2.97	2.13	2.69	3.56	3.60
5	4.56	4.61	4.41	4.51	3.52	3.61	2.05	2.95	2.25	2.54	3.60	3.63
6	4.58	4.63	4.50	4.55	3.59	3.67	1.23	1.55	2.54	2.66	3.62	3.64
7	4.60	4.63	4.54	4.57	3.62	3.72	1.03	1.85	2.66	2.76	2.91	3.64
8	4.53	4.61	3.73	4.55	3.65	3.68	1.17	1.43	2.74	2.76	3.15	3.27
9	4.49	4.53	3.73	3.95	3.67	3.76	1.43	1.75	2.76	2.85	3.27	3.32
10	4.24	4.49	3.75	3.84	3.73	3.82	1.75	1.93	....	....	3.32	3.40
11	4.21	4.29	3.93	3.96	3.76	3.87	1.93	2.13	....	....	3.40	3.49
12	4.29	4.41	3.96	4.04	3.75	3.83	2.13	2.34	....	....	3.49	3.55
13	4.41	4.51	4.01	4.08	3.76	3.85	2.34	2.43	....	....	3.55	3.59
14	4.51	4.69	3.94	4.05	3.79	3.88	.96	....	....	....	3.59	3.62
15	3.57	4.69	3.98	4.08	3.74	3.91	....	....	....	....	3.64	3.66
16	3.69	3.95	4.00	4.10	3.24	3.77	....	....	....	....	3.66	3.70
17	3.95	4.11	3.99	4.10	3.23	3.51	....	....	2.85	2.91	3.70	3.73
18	4.11	4.22	4.03	4.14	3.45	3.57	1.31	1.42	2.91	3.07	3.68	3.73
19	4.19	4.26	4.02	4.13	3.55	3.64	1.42	1.65	3.07	3.17	3.73	3.77
20	4.25	4.31	4.06	4.17	3.60	3.68	1.59	1.78	3.17	3.25	3.77	3.81
21	4.29	4.33	4.16	4.24	3.62	3.73	1.78	1.91	3.25	3.32	3.81	3.84
22	4.09	4.30	4.17	4.24	2.35	3.74	1.91	2.01	3.32	3.39	3.83	3.85
23	4.07	4.11	4.21	4.29	....	....	2.01	2.10	3.39	3.45	3.85	3.88
24	4.09	4.13	4.26	4.33	....	....	1.95	2.14	....	....	3.87	3.89
25	4.13	4.23	4.11	4.23	....	....	1.97	2.17	....	....	3.89	3.92
26	4.23	4.31	3.19	4.10	....	....	2.17	2.27	....	....	3.92	3.93
27	4.31	4.38	2.66	....	....	3.43	2.27	2.35	....	....	3.92	3.93
28	4.37	4.43	....	....	....	....	2.35	2.43	....	....	3.91	3.93
29	4.42	4.48	3.32	3.48	3.07	3.11	2.30	2.43	....	....	3.91	3.93
30	4.47	4.51	3.42	3.58	3.08	3.18	2.43	2.48	....	....	2.35	3.91
31	4.49	4.53	3.56	3.71	....	....	2.47	2.54	....	....	2.35	3.39

G551. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 54 S., R. 39 E. Records available: 1947-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.79	3.00	3.50	3.91	4.37	4.61	4.77	3.89	2.69	2.71	1.47	2.53
2	1.89	3.03	3.55	3.94	4.39	4.54	4.77	3.92	2.74	2.74	1.61	2.56
3	1.96	3.07	3.58	3.98	4.41	4.49	4.74	3.91	2.52	2.71	1.67	2.54
4	2.03	3.09	3.60	4.00	4.44	4.48	4.66	3.88	2.54	2.62	1.44	2.59
5	2.11	3.12	3.63	4.02	4.46	4.48	4.56	3.79	2.57	2.09	1.66	2.63
6	2.16	3.15	3.65	3.77	4.48	4.49	4.50	3.70	2.61	1.04	1.72	2.66
7	2.21	3.18	3.67	3.71	4.51	4.49	4.45	3.70	2.70	1.00	1.76	2.49
8	2.14	3.21	3.70	3.71	4.53	4.45	4.37	3.49	2.77	1.15	1.79	2.50
9	2.26	3.23	3.72	3.72	4.57	4.44	4.16	3.36	2.84	1.29	1.84	2.53
10	2.31	3.25	3.74	3.76	4.61	4.44	3.84	3.31	2.91	1.44	1.89	2.58
11	2.36	3.27	3.77	3.80	4.64	4.45	3.70	3.30	2.97	1.51	1.94	2.64
12	2.41	3.29	3.79	3.84	4.68	4.47	3.67	3.31	2.88	1.64	1.98	2.68
13	2.45	3.31	3.81	3.88	4.72	4.49	3.67	3.28	2.86	1.74	1.99	2.70
14	2.48	3.33	3.83	3.92	4.75	4.51	3.71	3.25	2.31	.47	2.02	2.72
15	2.51	3.35	3.40	3.97	4.78	4.54	3.52	3.26	2.42	.62	1.97	2.75
16	2.55	3.39	3.37	4.01	4.80	4.55	3.50	3.28	2.58	.49	2.07	2.76
17	2.59	3.41	3.39	4.05	4.81	4.55	3.52	3.30	2.64	.64	2.11	2.77
18	2.63	3.44	3.42	4.08	4.82	4.57	3.58	3.34	2.65	.34	2.15	2.79
19	2.66	3.46	3.37	4.12	4.84	4.59	3.63	3.37	2.71	.62	2.18	2.81
20	2.69	3.48	3.38	4.15	4.85	4.59	3.69	3.41	2.69	.72	2.21	2.83
21	2.71	3.50	3.42	4.18	4.86	4.62	3.69	3.39	2.72	.85	2.24	2.85
22	2.74	3.53	3.46	4.22	4.88	4.64	3.66	3.42	2.76	.98	2.27	2.85
23	2.77	3.47	3.51	4.24	4.89	4.67	3.55	3.44	2.72	.39	2.31	2.88
24	2.80	3.44	3.56	4.27	4.84	4.69	3.52	3.47	2.67	.79	2.29	2.90
25	2.82	3.37	3.61	4.30	4.76	4.72	3.54	3.48	2.71	.79	2.34	2.93
26	2.85	3.37	3.65	4.31	3.71	4.75	3.59	3.06	2.59	1.01	2.37	2.95
27	2.89	3.41	3.70	4.32	4.67	4.77	3.64	2.44	2.62	1.17	2.39	2.97
28	2.92	3.46	3.74	4.33	4.66	4.76	3.69	2.36	2.62	1.27	2.43	2.99
29	2.94		3.79	4.34	4.64	4.74	3.74	2.42	2.63	1.19	2.46	3.01
30	2.96		3.83	4.35	4.64	4.74	3.78	2.52	2.66	1.43	2.49	3.04
31	2.98		3.88		4.63		3.84	2.63		1.49		2.86

G553. City of Miami. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 55 S., R. 40 E. Records available: 1947-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.24	8.34	9.10	9.51	9.64	9.80	9.95	9.18	7.94	7.67	5.15	7.10
2	7.26	8.38	9.12	9.52	9.65	9.77	9.92	9.20	7.94	7.66	5.22	7.14
3	7.28	8.41	9.14	9.54	9.67	9.76	9.91	9.21	7.90	7.55	5.27	7.16
4	7.31	8.45	9.15	9.55	9.68	9.76	9.91	9.20	7.88	7.49	5.31	7.22
5	7.35	8.48	9.17	9.56	9.69	9.75	9.90	9.18	7.87	7.31	5.40	7.26
6	7.40	8.52	9.19	9.43	9.70	9.73	9.89	9.19	7.86	6.41	5.46	7.31
7	7.43	8.55	9.21	9.38	9.71	9.73	9.90	9.20	7.87	....	5.52	7.33
8	7.44	8.59	9.23	9.36	9.73	9.71	9.89	9.08	7.89	....	5.58	7.35
9	7.49	8.63	9.25	9.34	9.77	9.69	9.89	9.03	7.92	....	5.66	7.38
10	7.53	8.65	9.28	9.34	9.79	9.69	9.87	8.98	7.95	....	5.73	7.40
11	7.57	8.68	9.29	9.33	9.82	9.69	9.85	8.93	7.99	....	5.80	7.44
12	7.61	8.71	9.31	9.33	9.84	9.69	9.84	8.90	7.99	....	5.87	7.47
13	7.64	8.74	9.33	9.34	9.85	9.70	9.84	8.85	8.02	6.01	5.93	7.51
14	7.68	8.78	9.35	9.36	9.87	9.71	9.83	8.80	8.02	5.61	6.00	7.57
15	7.72	8.80	9.29	9.38	9.89	9.73	9.78	8.75	8.03	5.24	6.08	7.60
16	7.76	8.84	9.30	9.40	9.90	9.74	9.73	8.72	7.65	5.14	6.14	7.63
17	7.80	8.84	9.32	9.42	9.90	9.76	9.67	8.69	7.59	4.86	6.22	7.65
18	7.84	8.91	9.33	9.45	9.90	9.78	9.64	8.66	7.51	4.31	6.28	7.68
19	7.88	8.93	9.32	9.48	9.91	9.80	9.61	8.65	7.54	4.37	6.33	7.71
20	7.90	8.96	9.31	9.50	9.92	9.81	9.59	8.65	7.58	4.44	6.39	7.74
21	7.94	8.98	9.33	9.52	9.93	9.84	9.47	8.66	7.61	4.51	6.46	7.79
22	7.99	9.01	9.34	9.55	9.93	9.87	9.40	8.67	7.61	4.56	6.53	7.85
23	8.01	9.00	9.37	9.56	9.92	9.90	9.34	8.69	7.59	4.63	6.61	7.87
24	8.06	9.02	9.38	9.57	9.90	9.91	9.27	8.71	7.60	4.71	6.65	7.88
25	8.09	9.02	9.39	9.59	9.88	9.94	9.23	8.72	7.63	4.76	6.72	7.90
26	8.13	9.04	9.40	9.60	9.86	9.95	9.20	8.61	7.63	4.80	6.79	7.92
27	8.16	9.06	9.41	9.61	9.86	9.94	9.17	8.42	7.65	4.85	6.85	8.00
28	8.19	9.08	9.43	9.62	9.86	9.90	9.16	8.27	7.65	4.91	6.93	8.03
29	8.23		9.46	9.63	9.86	9.90	9.16	....	7.64	4.97	6.99	8.06
30	8.27		9.48	9.63	9.85	9.93	9.16	....	7.65	5.01	7.06	8.07
31	8.30		9.50		9.84		9.17	....		5.09		7.93

G578. University of Miami. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 54 S., R. 41 E., on east side of San Amaro Drive, south of Blue Road, in University of Miami Biology Department garden plots, Coral Gables. Records available: 1948-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.02	11.75	11.71	11.86	11.51	11.63	11.92	11.49	10.96	10.86	10.60	11.51
2	11.02	11.77	11.72	11.81	11.46	11.71	11.89	11.51	10.98	10.86	10.63	11.46
3	11.06	11.80	11.64	11.79	11.56	11.15	11.88	11.53	10.74	10.81	10.66	11.41
4	11.10	11.81	11.58	11.70	11.61	11.80	11.85	11.56	10.86	10.76	10.71	11.47
5	11.21	11.73	11.56	11.65	11.63	11.80	11.89	11.65	10.95	10.71	10.86	11.51
6	11.31	11.62	11.64	11.59	11.55	11.76	11.89	11.67	11.01	10.54	11.01	11.51
7	11.45	11.66	11.64	11.80	11.69	11.66	11.82	11.71	11.11	10.31	10.98	11.53
8	11.41	11.63	11.69	11.68	11.76	11.60	11.79	11.56	.....	10.21	10.96	11.58
9	11.27	11.61	11.79	11.56	11.81	11.60	11.74	11.34	.....	10.14	10.93	11.57
10	11.37	11.62	11.84	11.50	11.83	11.62	11.76	11.28	.....	10.14	10.92	11.51
11	11.46	11.65	11.72	11.44	11.82	11.63	11.76	11.23	.....	10.21	10.93	11.46
12	11.51	11.61	11.69	11.50	11.82	11.69	11.81	11.23	.....	10.31	10.94	11.44
13	11.56	11.56	11.72	11.46	11.81	11.71	11.81	11.16	.....	10.39	11.00	11.44
14	11.62	11.62	11.84	11.46	11.80	11.74	11.80	11.06	.....	10.09	11.00	11.50
15	11.64	11.73	11.84	11.51	11.80	11.71	11.78	10.97	.....	9.91	10.98	11.52
16	11.66	11.81	11.84	11.56	11.85	11.67	11.76	10.88	.....	9.76	10.98	11.56
17	11.70	11.83	11.83	11.42	11.79	11.64	11.79	10.83	.....	9.51	11.00	11.59
18	11.61	11.83	11.76	11.36	11.74	11.66	11.78	10.81	.....	8.96	11.06	11.64
19	11.54	11.78	11.71	11.45	11.67	11.69	11.66	10.83	.....	9.21	11.06	11.66
20	11.59	11.71	11.67	11.56	11.60	11.69	11.68	10.90	.....	9.38	11.06	11.70
21	11.65	11.71	11.78	11.63	11.57	11.74	11.56	10.97	.....	9.66	11.15	11.71
22	11.59	11.66	11.85	11.66	11.56	11.80	11.57	11.01	.....	9.83	11.20	11.66
23	11.59	11.71	11.90	11.66	11.64	11.83	11.59	11.04	.....	10.01	11.19	11.68
24	11.59	11.75	11.84	11.62	11.67	11.82	11.56	11.07	.....	10.16	11.31	11.68
25	11.59	11.81	11.82	11.57	11.57	11.82	11.56	11.01	.....	10.26	11.44	11.71
26	11.65	11.81	11.82	11.57	11.54	11.82	11.54	10.94	.....	10.29	11.55	11.71
27	11.69	11.80	11.72	11.58	11.54	11.84	11.54	10.81	.....	10.33	11.55	11.65
28	11.70	11.73	11.76	11.56	11.52	11.86	11.56	10.79	.....	10.39	11.56	11.57
29	11.72		11.87	11.54	11.49	11.91	11.54	10.77	10.84	10.45	11.56	11.50
30	11.73		11.99	11.54	11.56	11.93	11.51	10.76	10.86	10.51	11.52	11.45
31	11.76		12.02		11.59		11.49	10.86		10.56		11.43

G580. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 55 S., R. 40 E. Northwest corner of Ludlum Road and Killiam Drive, South Miami. Drilled observation well, diameter 6 inches, depth 99.5 feet, land-surface datum is 9.20 feet above msl, 1929 adjustment. Recording gage installed July 15, 1949. Records available: 1949-50.

Daily highest water level, from recorder graph, 1949

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	6.53	6.32	5.27	4.56	6.28
2	.....	6.47	6.14	5.22	4.66	6.32
3	.....	6.46	6.09	5.21	4.75	6.37
4	.....	6.47	6.09	5.18	4.84	6.42
5	.....	6.50	6.10	5.03	4.93	6.46
6	.....	6.50	6.11	5.00	5.02	6.53
7	.....	.....	6.17	4.98	5.10	6.57
8	.....	.....	6.22	4.98	5.16	6.60
9	.....	.....	6.27	5.00	5.22	6.62
10	.....	6.29	6.30	5.01	5.27	6.63
11	.....	6.26	6.27	5.03	5.35	6.65
12	.....	6.22	6.16	4.50	5.42	6.67
13	.....	6.23	5.96	4.27	5.48	6.69
14	.....	6.25	5.86	4.24	5.48	6.71
15	6.68	6.29	5.82	4.26	5.48	6.73
16	6.71	6.35	5.87	4.32	5.52	6.78
17	6.74	6.40	5.92	4.41	5.57	6.79
18	6.75	6.45	5.97	4.50	5.62	6.80
19	6.66	6.48	6.03	4.57	5.66	6.80
20	6.58	6.51	6.08	4.65	5.72	6.81
21	6.52	6.56	6.12	4.72	5.76	6.82
22	6.51	6.61	6.17	4.79	5.81	6.84
23	6.51	6.66	6.18	4.85	5.87	6.85
24	6.51	6.66	6.20	4.93	5.92	6.88
25	6.52	6.65	6.24	4.26	5.96	6.87
26	6.52	6.64	6.25	4.10	6.02	6.85
27	6.52	6.46	6.28	4.11	6.08	6.84

G580--Continued.

Daily highest water level, from recorder graph, 1949

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
28	6.52	6.32	6.30	4.18	6.13	6.78
29	6.53	6.26	6.24	4.28	6.18	6.71
30	....	6.26	5.44	4.36	6.23	6.70
31	....	6.28		4.46		6.66

Daily highest water level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.64	7.48	7.52	7.73	7.59	7.32	7.96	7.65	6.76	6.62	4.81	6.33
2	6.62	7.52	7.52	7.73	7.62	7.33	7.95	7.64	6.82	6.63	4.94	6.37
3	6.62	7.52	7.52	7.73	7.62	7.36	7.95	7.64	6.82	6.65	5.02	6.40
4	6.62	7.55	7.51	7.72	7.62	7.41	7.91	7.64	6.81	6.51	5.07	6.44
5	6.65	7.57	7.49	7.68	7.66	7.50	7.90	7.66	6.82	6.37	5.14	6.47
6	6.69	7.58	7.48	7.51	7.67	7.51	7.90	7.68	6.84	5.70	5.22	6.49
7	6.74	7.58	7.48	7.48	7.69	7.54	7.90	7.68	6.88	5.25	5.28	6.50
8	6.78	7.59	7.49	7.47	7.73	7.50	7.90	7.48	6.94	5.02	5.33	6.51
9	6.79	7.60	7.51	7.44	7.76	7.49	7.88	7.35	6.97	4.98	5.38	6.52
10	6.81	7.60	7.53	7.42	7.80	7.49	7.86	7.27	7.00	5.02	5.44	6.53
11	6.85	....	7.54	7.41	7.82	7.52	7.92	7.26	7.02	5.08	5.48	6.54
12	6.88	....	7.54	7.40	7.84	7.54	7.96	7.24	7.01	5.15	5.53	6.55
13	6.92	....	7.56	7.39	7.85	7.56	8.00	7.21	6.98	5.26	5.56	6.57
14	6.95	....	7.57	7.39	7.86	7.60	8.02	7.19	6.95	5.28	5.61	6.58
15	7.00	....	7.58	7.39	7.88	7.62	8.01	7.17	6.92	4.34	5.66	6.61
16	7.02	....	7.59	7.40	7.90	7.64	8.00	7.16	6.90	4.24	5.70	6.63
17	7.06	7.60	7.62	7.43	7.84	7.64	7.99	7.15	6.84	3.08	5.72	6.66
18	7.09	7.60	7.62	7.42	7.81	7.66	7.98	7.15	6.80	2.74	5.76	6.68
19	7.11	7.60	7.60	7.41	7.75	7.68	7.97	7.16	6.78	2.78	5.80	6.70
20	7.12	7.59	7.58	7.42	7.74	7.71	7.96	7.18	6.78	2.90	5.84	6.72
21	7.14	7.58	7.58	7.44	7.73	7.73	7.94	7.20	6.76	3.08	5.88	6.75
22	7.16	7.56	7.58	7.47	7.70	7.77	7.89	7.26	6.74	3.28	5.92	6.77
23	7.18	7.53	7.61	7.50	7.54	7.80	7.83	7.25	6.71	3.48	5.97	6.79
24	7.20	7.51	7.64	7.52	7.45	7.85	7.79	7.25	6.68	3.66	6.01	6.81
25	7.23	7.50	7.64	7.53	7.37	7.88	7.77	7.24	6.67	3.84	6.06	6.83
26	7.26	7.49	7.66	7.53	7.33	7.91	7.74	7.12	6.66	4.01	6.10	6.85
27	7.30	7.51	7.66	7.54	7.30	7.93	7.71	6.93	6.64	4.17	6.15	6.86
28	7.33	7.51	7.66	7.56	7.29	7.95	7.68	6.82	6.62	4.33	6.20	6.87
29	7.37		7.66	7.57	7.29	7.96	7.67	6.75	6.62	4.46	6.25	6.86
30	7.41		7.68	7.58	7.30	7.96	7.66	6.74	6.62	4.55	6.29	6.86
31	7.44		7.72		7.32		7.65	6.73		4.69		6.83

G594. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 52 S., R. 39 E., on Dade-Broward levee. Drilled observation well, diameter 6 inches, depth 20 feet. Land-surface datum is 7.40 feet above msl, 1929 adjustment. Recording gage installed June 23, 1949. Records available: 1949-50.

Daily highest water level, from recorder graph, 1949

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.31	0.78	0.51	+0.01	+0.19	0.18
2	1.30	.78	.50	+ .00	+ .18	.18
3	1.30	.78	.50	+ .00	+ .17	.20
4	1.31	.78	.50	+ .08	+ .14	.22
5	1.32	.77	.50	+ .09	+ .12	.22
6	1.34	.77	.50	+ .09	+ .10	.23
7	1.35	.77	.50	+ .09	+ .09	.24
8	1.36	.72	.50	+ .09	+ .08	.26
993	.72	.50	+ .10	+ .07	.28
1094	.73	.48	+ .10	+ .07	.28
1193	.74	.44	+ .12	+ .07	.29
1293	.74	.44	+ .31	+ .07	.30
1393	.75	.44	+ .29	+ .06	.30
1493	.75	.42	+ .27	+ .06	.31
1593	.76	.43	+ .25	+ .06	.32
1693	.76	.42	+ .24	+ .05	.33
1793	.77	.41	+ .22	+ .04	.34
1893	.76	.40	+ .21	+ .02	.35
1986	.76	.41	+ .20	+ .00	.35
2086	.76	.41	+ .18	+ .03	.36
2186	.75	.39	+ .17	.03	.36
2286	.75	.39	+ .15	.04	.37

G594--Continued.

Daily highest water level, from recorder graph, 1949

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
23	1.21	0.86	0.74	0.39	+0.13	0.06	0.39
24	1.20	.86	.75	.40	+.12	.07	.39
25	1.20	.88	.75	.40	+.21	.08	.38
26	1.21	.68	.69	.37	+.21	.11	.36
27	1.28	.72	.58	.32	+.21	.13	.36
28	1.31	.73	.58	.31	+.21	.14	.35
29	1.34	.74	.58	.02	+.21	.16	.33
30	1.34	.76	.59	+.02	+.19	.16	.33
31		.77	.59		+.19		.32

Daily highest water level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.32	0.68	1.09	2.28	2.94	2.87	3.32	3.18	1.66	1.71	0.60	0.54
2	.33	.69	1.11	2.33	3.01	2.79	3.32	3.30	1.71	1.60	.59	.55
3	.36	.69	1.14	2.39	3.07	2.81	3.37	3.37	1.62	1.55	.59	.56
4	.36	.70	1.18	2.45	3.15	2.87	2.67	3.44	1.59	1.54	.54	.56
5	.39	.72	1.21	1.63	3.22	2.50	2.65	3.46	1.58	1.35	.54	.58
6	.40	.72	1.23	1.51	3.30	2.50	2.42	3.40	1.55	1.20	.53	.60
7	.40	.73	1.26	1.57	3.37	2.36	2.35	3.45	1.56	1.18	.53	.60
8	.41	.76	1.30	1.63	3.45	2.40	2.32	2.92	1.63	1.17	.53	.60
9	.42	.77	1.35	1.69	3.52	2.49	1.76	2.48	1.70	1.16	.52	.60
10	.44	.78	1.39	1.74	3.60	2.60	1.60	2.43	1.75	1.16	.52	.60
11	.45	.78	1.44	1.80	3.66	2.69	1.60	2.41	1.80	1.16	.52	.63
12	.46	.79	1.49	1.86	3.73	2.35	1.70	2.33	1.77	1.16	.52	.63
13	.46	.81	1.52	1.93	....	2.33	1.76	2.21	1.76	1.16	.50	.63
14	.47	.83	1.57	2.00	....	2.37	1.86	2.21	1.70	1.16	.50	.65
15	.49	.84	1.60	2.08	....	2.49	1.58	2.27	1.77	1.10	.50	.65
16	.50	.88	1.56	2.15	....	2.55	1.65	2.36	1.83	1.00	.48	.66
17	.51	.91	1.63	2.22	....	2.50	1.73	2.46	1.89	.87	.48	.66
18	.51	.93	1.67	2.28	3.77	1.97	1.85	2.54	1.92	.80	.48	.69
19	.52	.94	1.54	2.35	3.69	1.98	1.95	2.55	1.95	.79	.49	.69
20	.53	.97	1.55	2.42	3.75	2.10	2.05	2.56	1.95	.75	.49	.70
21	.54	.99	1.61	2.48	3.76	2.20	2.08	2.62	2.04	.75	.49	.70
22	.55	1.01	1.64	2.56	3.67	2.34	2.12	2.38	2.08	.73	.50	.72
23	.56	1.01	1.71	2.65	....	2.49	2.20	2.39	2.10	.70	.50	.72
24	.57	1.00	1.78	2.72	....	2.63	2.26	2.44	2.14	.65	.50	.75
25	.57	1.00	1.86	2.75	....	2.74	2.34	2.49	1.85	.64	.50	.75
26	.61	1.00	1.93	2.49	2.98	2.88	2.45	1.71	1.80	.63	.54	.75
27	.61	1.01	1.98	2.52	3.03	2.98	2.60	1.53	1.87	.61	.54	.76
28	.62	1.04	2.01	2.65	3.01	3.07	2.69	1.51	1.65	.61	.53	.78
29	.63		2.07	2.71	2.98	3.13	2.84	1.51	1.65	.61	.53	.78
30	.66		2.15	2.86	2.96	3.22	2.95	1.54	1.70	.61	.53	.70
31	.66		2.22		2.92		3.07	1.60		.60		.70

G595. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 54 S., R. 40 E. Southeast corner of Galloway Road and Sunset Drive, South Miami. Drilled observation well, depth 14.4 feet, diameter 6 inches. Land-surface datum is 8.80 feet above msl, 1929 adjustment. Recording gage installed June 30, 1949. Records available: 1949-50. June 30, 1949, 3.93.

Daily highest water level, from recorder graph, 1949

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.05	3.48	4.19	2.97	2.67	3.97
2	4.13	3.81	3.85	2.89	2.75	4.01
3	4.19	3.92	3.84	2.78	2.78	4.06
4	4.25	3.98	3.87	2.33	2.85	4.10
5	4.28	4.00	3.92	2.29	2.92	4.14
6	4.29	4.02	3.98	2.51	2.98	4.09
7	4.13	3.99	4.03	2.59	3.03	4.16
8	4.10	3.99	4.09	2.68	3.07	4.21
9	4.04	3.87	4.15	2.71	3.12	4.24
10	3.98	3.93	4.18	2.79	3.17	4.28
11	4.03	3.70	4.17	2.77	3.20	4.33
12	4.09	3.75	4.20	2.10	3.27	4.37
13	4.15	3.82	4.21	1.77	3.31	4.41
14	4.22	3.89	4.22	2.02	3.01	4.43
15	4.37	3.95	4.26	2.11	3.06	4.49
16	4.30	4.02	4.30	2.24	3.13	4.51
17	4.34	4.08	4.33	2.35	3.21	4.53

G595--Continued.

Daily highest water level, from recorder graph, 1949

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
18	4.36	4.12	4.35	2.45	3.28	4.56
19	3.69	4.19	4.32	2.54	3.34	4.57
20	3.48	4.13	4.20	2.64	3.40	4.60
21	3.67	4.25	4.25	2.71	3.45	4.63
22	3.76	4.27	4.29	2.81	3.53	4.64
23	3.74	4.26	4.34	2.87	3.57	4.65
24	3.83	4.29	4.37	2.77	3.62	4.63
25	3.90	4.33	4.40	2.04	3.66	4.47
26	3.80	4.29	4.41	2.20	3.73	4.42
27	3.76	4.15	4.39	2.32	3.77	4.31
28	3.81	4.00	4.39	2.37	3.82	4.03
29	3.93	4.03	3.75	2.43	3.86	4.04
30	3.86	4.09	2.84	2.49	3.92	4.05
31	3.97	4.16		2.59		4.04

Daily highest water level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.06	5.23	5.68	5.80	5.88	6.21	6.50	5.94	5.01	4.69	3.21	4.41
2	4.09	5.26	5.70	5.82	5.90	6.20	6.35	5.95	5.04	4.70	3.29	4.43
3	4.18	5.30	5.70	5.85	5.92	6.19	6.30	5.96	5.02	4.63	3.34	4.44
4	4.33	5.33	5.73	5.85	5.94	6.19	6.28	5.96	5.01	4.40	3.32	4.47
5	4.37	5.36	5.74	5.89	5.97	6.18	6.28	5.97	5.04	4.08	3.40	4.50
6	4.38	5.39	5.75	5.60	5.99	6.18	6.25	5.98	5.08	3.40	3.45	4.52
7	4.36	5.41	5.77	5.53	6.01	6.18	6.27	5.99	5.11	3.32	3.52	4.51
8	....	5.45	5.78	5.49	6.04	6.17	6.24	5.83	5.14	3.19	3.57	4.51
9	4.54	5.48	5.79	5.46	6.06	6.17	6.21	5.71	5.19	3.17	3.62	4.52
10	4.64	5.51	5.80	5.46	6.09	6.17	6.15	5.64	5.23	3.31	3.67	4.54
11	4.71	5.53	5.80	5.45	6.14	6.19	6.14	5.62	5.26	3.29	3.73	4.56
12	4.72	5.55	5.82	5.46	6.15	6.20	....	5.56	5.25	3.45	3.78	4.59
13	4.79	5.57	5.83	5.48	6.17	6.22	....	5.50	5.23	3.54	3.82	4.61
14	4.88	5.58	5.84	5.49	6.20	6.23	6.13	5.46	5.23	1.83	3.86	4.63
15	4.94	5.59	5.80	5.51	6.22	6.25	6.09	5.43	5.25	2.10	3.90	4.64
16	4.95	5.60	5.76	5.53	6.23	6.27	6.05	5.41	4.58	2.05	3.94	4.66
17	4.83	5.60	5.74	5.56	6.21	6.28	6.03	5.42	4.70	2.20	3.99	4.67
18	4.88	5.61	5.74	5.58	6.23	6.30	6.02	5.45	4.78	1.41	4.02	4.70
19	4.96	5.62	5.69	5.61	6.26	6.31	6.01	5.47	4.84	1.84	4.06	4.73
20	5.02	5.63	5.65	5.64	6.28	6.32	6.00	5.50	4.88	1.96	4.10	4.74
21	4.95	5.64	5.64	5.62	6.29	6.34	5.99	5.50	4.88	2.11	4.13	4.75
22	4.96	5.65	5.64	5.68	6.31	6.36	5.94	5.49	4.86	2.26	4.17	4.76
23	4.97	5.65	5.64	5.72	6.28	6.36	5.90	5.50	4.79	2.26	4.20	4.78
24	4.99	5.65	5.65	5.74	6.27	6.38	5.87	5.51	4.80	2.41	4.21	4.79
25	5.03	5.64	5.67	5.75	6.27	6.40	5.86	5.50	4.82	2.49	4.25	4.80
26	5.06	5.62	5.70	5.76	6.27	6.41	5.85	5.36	4.76	2.61	4.28	4.81
27	5.13	5.63	5.72	5.78	6.28	6.34	5.85	5.15	4.75	2.75	4.30	4.84
28	5.09	5.66	5.75	5.81	6.29	6.40	5.85	5.03	4.73	2.73	4.34	4.85
29	5.14		5.78	5.83	6.30	6.42	5.87	4.99	4.70	2.91	4.37	4.87
30	5.17		5.79	5.85	6.30	6.40	5.89	4.97	4.68	3.02	4.40	4.88
31	5.20		5.79		6.28		5.92	4.98		3.13		4.82

G596. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 55 S., R. 38 E., 2 miles west of Krome Ave., 3.5 miles north of Grossman Drive. Drilled observation well, depth 13.4 feet, diameter 6 inches, Land-surface datum is 7.70 feet above msl, 1929 adjustment. Recording gage installed June 30, 1949. Records available: 1949-50. June 30, 1949, 0.80.

Daily highest water level, from recorder graph, 1949

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.78	0.76	1.30	0.40	0.03	0.86
2	.94	.79	1.19	.38	.08	.88
3	1.00	.84	1.30	.49	.12	.91
4	.96	.88	1.37	.31	.13	.93
5	.24	.92	1.42	.42	.22	.95
6	.49	.51	1.46	.48	.27	1.00
7	.51	.67	1.49	.47	.30	1.01
8	.48	.67	1.46	.46	.32	1.01
9	.69	.80	1.55	.30	.30	1.06
10	.50	.82	1.59	.43	.33	1.09
11	.71	.87	1.52	.41	.37	1.13

G596--Continued.

Daily highest water level, from recorder graph, 1949

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
12	0.81	0.90	1.53	+0.15	0.40	1.17
13	.90	.94	1.49	+.20	.30	1.19
14	1.00	.98	1.56	+.21	.25	1.20
15	1.06	1.03	1.61	+.14	.30	1.23
16	1.05	1.10	1.65	+.07	.38	1.25
17	.47	1.16	1.70	.01	.44	1.26
18	.32	1.20	1.63	.10	.50	1.30
19	.45	1.07	1.67	.18	.53	1.31
20	.54	1.12	1.70	.25	.56	1.32
21	.67	1.20	1.71	.30	.59	1.33
22	.71	1.26	1.72	.35	.62	1.35
23	.73	1.08	1.72	.39	.65	1.38
24	.82	1.23	1.72	.42	.66	1.39
25	.78	1.32	1.72	+.31	.68	1.08
26	.59	1.23	1.70	+.31	.74	1.15
27	.70	1.04	1.69	+.25	.77	1.01
28	.79	1.12	1.65	+.19	.78	.90
29	.84	1.20	.42	+.14	.80	.90
30	.80	1.29	.10	+.09	.82	.94
31	.80	1.34		+.02		.95

Daily highest water level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.02	2.07	2.91	3.67	3.55	2.56	3.52	2.45	1.28	1.26	0.65	....
2	1.08	2.11	2.98	3.72	3.63	2.65	3.55	2.48	1.36	1.29	.70	....
3	1.13	2.15	3.01	3.75	3.70	2.70	3.56	2.48	1.15	1.26	.73	....
4	1.18	2.19	3.05	3.80	3.76	2.76	3.57	2.48	1.14	1.22	.60	....
5	1.22	2.21	3.07	3.83	3.85	2.83	3.51	2.48	1.15	.55	.72	....
6	1.25	2.26	3.11	3.45	3.91	2.90	2.70	2.47	1.18	.18	.75	....
7	1.29	2.31	3.14	3.38	3.98	2.95	2.44	2.53	1.28	....	.79	....
8	1.29	2.33	3.19	3.38	4.05	2.95	2.35	1.70	1.36	....	.80	....
9	1.34	2.36	3.24	3.39	4.11	2.95	2.35	.25	1.43	....	.83	....
10	1.38	2.40	3.26	3.42	4.16	3.00	1.84	.68	1.50	....	.85	....
11	1.40	2.43	3.30	3.48	4.20	3.07	1.81	.92	1.55	....	.90	....
12	1.44	2.47	3.34	3.53	4.26	3.13	1.93	1.00	1.53	....	.91	....
13	1.48	2.51	3.37	3.60	4.31	3.13	2.03	1.20	1.45	....	.91	....
14	1.51	2.56	3.40	3.65	4.36	3.13	2.13	1.33	1.45	....	.96	....
15	1.54	2.58	3.35	3.72	4.40	3.13	2.06	1.40	1.52	....	.97	....
16	1.57	2.63	3.27	3.78	4.45	3.17	2.13	1.48	.38	....	.99	....
17	1.61	2.69	3.26	3.83	4.45	3.19	2.18	1.56	1.15	....	1.05	....
18	1.64	2.72	3.26	3.86	4.39	3.19	2.25	1.63	1.31	+.02	1.10	....
19	1.66	2.75	3.25	3.90	4.37	3.12	2.33	1.72	1.42	.03	....	....
20	1.68	2.80	3.25	3.93	4.37	3.10	2.40	1.80	1.38	.08	....	....
21	1.71	2.83	3.25	3.97	4.40	3.11	1.54	1.70	1.47	.20	....	....
22	1.74	2.85	3.26	4.02	4.43	4.16	1.48	1.71	1.24	.28	....	....
23	1.79	2.85	3.31	4.05	1.33	3.21	1.54	1.73	.97	.36	....	....
24	1.82	2.85	3.36	4.08	1.85	3.27	1.64	1.78	1.03	.40	....	....
25	1.82	2.80	3.39	4.11	2.08	3.32	1.75	1.73	.70	.35	....	....
26	1.85	2.80	3.42	3.34	2.30	3.32	1.87	1.12	.87	.38	....	....
27	1.88	2.83	3.47	3.34	2.47	3.33	1.97	.98	.99	.46	....	....
28	1.92	2.88	3.51	3.35	2.27	3.36	2.07	.96	1.09	.47	....	....
29	1.96		3.54	3.40	2.33	3.41	2.17	1.00	1.12	.60	....	....
30	2.00		3.61	3.48	2.39	3.47	2.27	1.14	1.18	.60	....	....
31	2.04		3.63		2.49		2.37	1.18		.65	....	....

G612. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, T. 57 S., R. 39 E., on Tallahassee Road, 0.5 mile south of North Canal. Drilled observation well, depth 19.2 feet, diameter 6 inches. Land-surface datum is 3.90 feet above msl, 1929 adjustment. Recording gage installed May 11, 1950. Records available: 1950.

Daily highest water level, from recorder graph, 1949

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.40	3.72	2.92	2.16	1.67	1.73	2.56
2	2.78	3.46	1.90	2.10	1.70	1.80	2.59
3	2.90	3.47	2.42	1.62	1.52	1.85	2.46
4	3.06	2.62	2.60	2.02	1.65	1.35	2.58
5	3.08	2.85	2.80	2.05	1.06	1.70	2.62

G612--Continued.

Daily highest water level, from recorder graph								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	....	3.05	2.88	2.83	2.13	0.73	1.83	2.65
7	....	2.92	2.78	2.84	2.10	.80	1.92	2.16
8	....	2.92	2.85	2.10	2.13	.87	1.95	2.55
9	....	2.90	2.78	1.70	2.15	.90	1.97	2.65
10	....	3.00	2.28	2.20	2.18	.92	2.00	2.69
11	3.92	3.10	2.62	2.45	2.03	1.15	2.08	2.75
12	3.99	3.18	2.76	2.45	1.90	1.25	2.20	2.80
13	4.00	3.23	2.88	2.47	1.96	1.40	2.23	2.72
14	4.01	3.25	2.93	2.53	2.02	.85	2.25	2.63
15	4.10	3.24	1.93	2.57	1.63	.95	2.17	2.79
16	3.90	3.22	2.40	2.51	1.92	1.02	2.17	2.83
17	3.40	3.22	2.42	2.53	1.90	.78	2.20	2.86
18	3.40	3.22	2.40	2.47	1.94	.98	2.21	2.90
19	3.51	3.26	2.48	2.43	1.95	1.15	2.22	2.95
20	3.57	3.27	2.52	2.55	1.90	1.25	2.27	2.82
21	3.50	3.33	2.54	2.00	1.93	1.38	2.30	2.77
22	3.37	3.40	1.95	2.39	1.70	1.47	2.34	2.88
23	2.09	3.46	2.30	2.49	1.53	1.54	2.41	2.90
24	1.45	3.51	2.29	2.46	1.76	1.36	2.40	2.92
25	2.00	3.55	2.50	1.93	1.81	1.55	2.53	2.95
26	2.21	3.55	2.55	1.60	1.77	1.60	2.55	2.86
27	2.40	3.55	2.65	1.37	1.80	1.73	2.56	2.84
28	2.51	3.62	2.76	1.80	1.83	1.79	2.57	2.80
29	2.61	3.68	2.84	1.80	1.70	1.76	2.58	2.77
30	2.69	3.70	2.88	2.00	1.25	1.77	2.52	2.76
31	2.65		2.88	2.08		1.77		1.97

G613. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 58 S., R. 38 E. Drilled observation well, depth 20.5 feet, diameter 6 inches. Land-surface datum is 5 feet above msl, 1929 adjustment. Recording gage installed May 10, 1950. Records available: 1950.

Daily highest water level, from recorder graph								
Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	2.88	4.10	3.04	2.08	1.61	1.75	2.70
2	....	2.87	3.84	3.08	2.15	1.72	1.79	2.72
3	....	2.92	3.75	2.78	1.83	1.77	1.82	2.74
4	....	3.00	3.37	2.77	1.80	1.58	1.15	2.75
5	....	3.04	3.18	2.88	1.79	.82	1.25	2.77
6	....	3.10	1.98	2.99	1.83	+.47	1.40	2.78
7	....	3.10	2.02	3.07	1.88	.00	1.52	2.58
8	....	3.13	2.14	2.90	1.98	.25	1.60	2.55
9	....	3.17	2.28	2.75	2.08	+.48	1.70	2.55
10	4.95	3.24	2.21	2.67	2.16	.45	1.77	2.60
11	5.02	3.32	2.34	2.45	1.63	.65	1.85	2.66
12	5.08	3.35	2.45	2.40	1.13	.78	1.90	2.70
13	5.12	3.40	2.55	2.45	1.10	.93	1.95	2.75
14	5.16	3.47	2.66	2.55	1.34	+.26	2.01	2.78
15	5.21	3.55	1.65	2.65	1.44	.20	2.07	2.80
16	5.24	3.57	1.77	2.73	1.35	.40	2.08	2.85
17	5.00	3.58	1.88	2.79	1.45	.53	2.10	2.86
18	4.89	3.60	2.06	2.73	1.47	.33	2.17	2.90
19	4.83	3.60	2.20	2.44	1.60	.68	2.20	2.93
20	4.86	3.60	2.26	2.50	1.68	.80	2.25	2.97
21	4.70	3.65	2.38	2.32	1.80	.95	2.27	3.00
22	4.48	3.68	2.33	1.85	1.87	1.09	2.30	3.02
23	4.12	3.75	2.43	1.70	1.83	1.20	2.37	3.05
24	3.43	3.81	2.45	2.03	1.91	1.28	2.40	3.07
25	2.92	3.85	2.50	2.16	1.55	1.33	2.45	3.10
26	2.82	3.84	2.58	1.85	1.65	1.43	2.50	3.12
27	2.87	3.85	2.65	1.60	1.76	1.50	2.53	3.15
28	2.92	3.92	2.72	1.68	1.85	1.59	2.57	3.18
29	2.87	3.96	2.80	1.80	1.33	1.63	2.61	3.20
30	2.87	4.03	2.88	1.90	1.46	1.68	2.65	3.22
31	2.88		2.97	2.02		1.73		2.74

G614. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 56 S., R. 39 E. Southeast corner of Newton Road and Silver Palm Drive. Drilled observation well, depth 20 feet, diameter 6 inches. Land-surface datum is 11.10 feet above msl, 1929 adjustment. Recording gage installed May 11, 1950. Records available: 1950.

Daily highest water level, from recorder graph

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	8.17	8.85	7.53	6.86	6.26	5.27	7.01
2	....	8.06	8.88	7.55	6.86	6.30	5.37	7.05
3	....	7.98	8.90	7.58	6.85	6.30	5.45	7.10
4	....	7.95	8.93	....	6.84	6.26	5.51	7.14
5	....	7.93	8.94	....	6.80	6.00	5.55	7.18
6	....	7.95	8.92	....	6.78	4.86	5.59	7.23
7	....	7.97	8.91	....	6.76	....	5.64	7.24
8	....	8.00	8.78	....	6.76	....	5.68	7.21
9	....	8.02	8.66	....	6.78	....	5.75	7.20
10	....	8.05	8.54	....	6.81	....	5.80	7.22
11	....	8.08	8.42	....	6.85	....	5.88	7.24
12	9.63	8.12	8.30	....	6.88	....	5.95	7.26
13	9.65	8.16	8.28	....	6.90	4.42	6.02	7.28
14	9.68	8.22	8.15	7.22	6.90	4.45	6.09	7.31
15	9.72	8.27	8.05	7.22	6.90	4.10	6.15	7.32
16	9.76	8.33	7.93	7.25	6.91	3.96	6.20	7.35
17	9.79	8.37	7.82	7.27	6.90	3.85	6.22	7.39
18	9.78	8.41	7.75	7.30	6.88	3.61	6.28	7.41
19	9.77	8.45	7.70	7.32	6.86	3.72	6.35	7.44
20	9.77	8.50	7.68	7.35	6.86	3.81	6.40	7.47
21	9.78	8.54	7.66	7.38	6.87	3.94	6.45	7.51
22	9.80	8.58	7.60	7.42	6.86	4.06	6.51	7.56
23	9.50	8.62	7.49	7.45	6.62	4.20	6.56	7.58
24	8.96	8.65	7.42	7.48	6.32	4.33	6.62	7.63
25	8.63	8.68	7.36	7.48	6.20	4.46	6.68	7.65
26	8.44	8.73	7.34	7.47	6.15	4.59	6.73	7.67
27	8.31	8.76	7.34	7.31	6.14	4.72	6.78	7.70
28	8.25	8.80	7.36	7.15	6.15	4.85	6.84	7.73
29	8.22	8.80	7.40	7.04	6.20	4.96	6.90	7.75
30	8.22	8.82	7.46	6.95	6.22	5.07	6.95	7.80
31	8.22	....	7.50	6.89	....	5.17	....	7.66

G615. U. S. Geol. Survey. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 52 S., R. 41 E. Drilled observation well, depth 24.4 feet, diameter 6 inches. Land-surface datum is 6.50 feet above msl, 1929 adjustment. Recording gage installed May 22, 1950. Records available: 1950.

Daily highest water level, from recorder graph

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	3.95	4.14	3.46	2.58	2.70	1.54	1.70
2	....	3.82	4.17	3.01	2.54	2.70	1.90	1.77
3	....	3.70	4.02	2.98	2.08	2.60	2.03	1.82
4	....	3.58	3.60	3.05	2.20	2.62	1.40	1.93
5	....	3.30	....	2.72	2.09	2.10	1.82	2.00
6	....	3.16	....	2.67	2.15	1.70	1.93	2.05
7	....	3.17	....	2.64	2.27	1.78	2.03	1.65
8	....	3.20	....	2.20	2.51	1.25	2.05	1.95
9	....	3.15	....	1.68	2.63	1.50	2.12	2.05
10	....	3.15	....	1.95	2.72	1.70	2.05	2.11
11	....	3.26	....	1.90	2.78	1.55	2.15	2.18
12	....	3.34	....	2.13	2.78	1.79	2.20	2.22
13	....	3.42	....	2.00	2.79	1.96	2.23	2.18
14	....	3.50	....	2.22	2.83	1.65	2.28	2.26
15	....	3.55	....	1.80	2.87	1.29	2.17	2.30
16	....	3.57	....	2.25	2.90	1.60	1.86	2.35
17	....	3.60	....	2.43	2.79	1.17	2.10	2.38
18	....	3.63	....	2.50	2.77	.14	1.96	2.33
19	....	3.66	....	2.59	2.79	1.06	2.12	2.45
20	....	3.70	....	2.67	2.85	.35	2.20	2.50
21	....	3.72	....	2.75	2.92	1.28	2.29	2.54
22	4.40	3.77	....	2.81	2.93	.32	2.31	2.55
23	4.41	3.82	....	2.88	2.88	1.27	2.35	2.57
24	4.12	3.86	....	2.95	2.87	1.40	+ .15	2.59
25	3.90	3.92	....	2.90	2.88	1.53	.97	2.62
26	3.88	3.97	....	2.04	2.89	1.64	1.12	2.64
27	3.90	4.02	....	2.25	2.94	1.75	1.25	2.66

G615--Continued.

Daily highest water level, from recorder graph

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
28	3.92	4.06	....	2.33	2.77	1.82	1.39	2.68
29	3.92	4.06	....	2.40	2.71	1.90	1.50	2.70
30	3.92	4.10	....	2.48	2.73	1.96	1.60	2.72
31	3.92		....	2.55		2.03		1.92

S1A. City of Miami. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1926-50

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	7.99	Mar. 29	8.10	May 29	7.80	July 26	6.80
Feb. 27	8.02	Apr. 27	7.47	June 27	8.33	Oct. 30	6.00

S2A. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1942-50.

Jan. 30	8.77	Mar. 29	8.75	May 29	8.35	July 26	7.76
Feb. 27	8.97	Apr. 27	8.52	June 27	9.05	Oct. 30	6.94

S3A. City of Miami. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1942-50.

Jan. 30	9.16	Mar. 29	9.05	May 29	9.60	July 26	8.81
Feb. 29	10.45	Apr. 27	8.94	June 27	9.93	Oct. 30	8.04

S4A. City of Miami. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1942-50.

Jan. 30	8.31	Mar. 29	8.11	May 29	7.95	July 26	7.58
Feb. 27	8.98	Apr. 27	8.16	June 27	8.56	Oct. 30	6.79

S5A. City of Miami. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1942-50.

Jan. 30	9.11	Mar. 29	8.98	May 29	8.66	July 26	8.21
Feb. 27	9.60	Apr. 27	8.99	June 27	9.30	Oct. 30	7.36

S6A. City of Miami. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1942-50.

Jan. 30	9.23	Mar. 29	9.22	May 29	8.61	July 26	8.28
Feb. 27	9.47	Apr. 27	9.02	June 27	9.76	Oct. 30	7.18

S7A. City of Miami. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1942-50.

Jan. 30	9.33	Mar. 29	9.04	May 29	8.76	July 26	8.38
Feb. 27	8.75	Apr. 27	9.10	June 27	9.24	Oct. 30	6.75

S8A. City of Miami. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 53 S., R. 40 E. Records available: 1942-50.

Jan. 30	7.80	Mar. 29	7.77	May 29	7.09	July 26	6.84
Feb. 27	8.08	Apr. 27	7.65	June 27	8.04	Oct. 30	5.94

S14A. City of Miami. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1942-50.

Jan. 30	7.40	Mar. 29	7.03	May 29	6.88	July 26	6.61
Feb. 27	8.06	Apr. 27	7.15	June 27	7.48	Oct. 30	5.58

S15A. City of Miami. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1942-50.

Jan. 30	6.21	Mar. 29	6.03	May 29	6.57	July 26	5.85
Feb. 27	7.24	Apr. 27	6.22	June 27	6.99	Oct. 30	4.97

S16A. City of Miami. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1942-50.

Jan. 30	6.35	Mar. 29	6.27	May 29	6.16	July 26	5.93
Feb. 27	7.10	Apr. 27	6.46	June 27	6.87	Oct. 30	5.22

S17A. City of Miami. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1942-50.

Jan. 30	6.25	Mar. 29	6.04	May 29	5.79	July 26	5.58
Feb. 27	6.81	Apr. 27	6.17	June 27	6.80	Oct. 30	4.68

S18. Model Dairy. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 52 S., R. 41 E. Records available: 1939-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.32	7.76	8.19	8.26	7.62	7.34	7.86	7.61	7.09	6.69	6.47	6.39
2	6.39	7.79	8.21	8.26	7.64	7.11	7.87	7.61	7.16	6.72	6.52	6.44
3	6.47	7.83	8.22	8.27	7.68	7.20	7.76	7.60	7.07	6.70	6.49	6.48
4	6.54	7.85	8.20	8.28	7.71	7.28	7.73	7.59	7.02	6.68	6.25	6.54
5	6.62	7.87	8.22	7.86	7.73	7.32	7.66	7.60	6.99	6.46	6.21	6.59
6	6.69	7.87	8.23	7.65	7.76	7.13	7.57	7.58	6.96	6.20	6.24	6.63
7	6.77	7.89	8.23	7.29	7.80	7.08	7.57	7.61	6.98	6.12	6.33	6.63
8	6.82	7.90	8.24	7.28	7.84	7.06	7.51	7.35	7.04	6.14	6.37	6.66
9	6.88	7.91	8.27	7.27	7.86	7.04	7.38	7.05	7.10	6.17	6.44	6.69
10	6.92	7.92	8.31	7.28	7.89	7.09	7.11	6.87	7.17	6.23	6.48	6.72
11	6.99	7.94	8.31	7.30	7.92	7.14	7.05	6.73	7.23	6.29	6.48	6.77
12	7.04	7.95	8.32	7.33	7.94	7.20	6.72	6.80	7.20	6.34	6.49	6.79
13	7.10	7.97	8.33	7.35	7.96	7.27	6.91	6.86	7.20	6.41	6.50	6.82
14	7.15	7.99	8.33	7.35	7.99	7.33	7.00	6.90	7.23	6.43	6.52	6.87
15	7.20	8.02	8.34	7.36	8.01	7.38	6.90	6.93	7.20	6.02	6.53	6.88
16	7.21	8.06	8.32	7.38	8.03	7.43	6.95	6.97	6.83	5.92	6.54	6.92
17	7.31	8.08	8.34	7.39	8.04	7.46	7.01	7.03	6.46	5.82	6.56	6.95
18	7.34	8.11	8.30	7.42	8.00	7.50	7.09	7.05	6.33	5.23	6.57	7.00
19	7.37	8.13	8.24	7.44	8.02	7.53	7.17	7.10	6.39	5.38	6.58	7.03
20	7.41	8.14	8.21	7.46	8.05	7.56	....	7.17	6.44	5.46	6.60	7.03
21	7.44	8.16	8.19	7.47	8.06	7.62	....	7.20	6.52	5.59	6.61	7.04
22	7.47	8.16	8.17	7.50	8.09	7.64	....	7.24	6.57	5.71	6.63	7.04
23	7.49	8.15	8.18	7.53	8.04	7.64	....	7.26	6.46	5.80	6.65	7.05
24	7.52	8.15	8.18	7.55	7.96	7.66	....	7.26	6.44	5.89	6.10	7.07
25	7.54	8.14	8.18	7.57	7.95	7.70	....	7.25	6.57	5.98	6.03	7.09
26	7.58	8.15	8.19	7.59	7.94	7.73	....	7.14	6.66	6.07	6.07	7.10
27	7.60	8.18	8.21	7.53	7.96	7.75	....	7.00	6.74	6.13	6.14	7.12
28	7.63	8.18	8.22	7.54	7.99	7.78	7.53	6.90	6.78	6.22	6.21	7.13
29	7.66		8.23	7.57	8.01	7.81	7.55	6.91	6.57	6.29	6.27	6.15
30	7.70		8.25	7.60	8.02	7.84	7.57	6.94	6.61	6.37	6.34	7.16
31	7.73		8.25		7.86		7.59	7.02		6.43		6.88

S18A. City of Miami. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	6.45	Mar. 29	6.00	May 29	6.03	July 26	5.80
Feb. 27	7.08	Apr. 27	6.20	June 27	6.44	Oct. 30	5.30

S19. City of Miami. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 53 S., R. 40 E. Records available: 1939-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.50	7.14	7.39	6.77	6.81	6.42	7.09	6.52	5.98	6.04	5.69	6.40
2	5.53	7.20	7.34	6.75	6.84	6.27	6.89	6.58	6.08	6.03	5.67	6.43
3	5.62	7.25	7.37	6.76	6.77	6.23	6.82	6.48	6.00	6.03	5.76	6.35
4	5.76	7.29	7.31	6.86	6.90	6.31	6.62	6.45	5.96	6.01	5.83	6.30
5	5.85	7.33	7.41	6.87	6.95	6.48	6.56	6.43	6.07	5.96	5.82	6.30
6	5.93	7.30	7.42	6.39	6.95	6.50	6.54	6.50	6.09	5.19	5.84	6.28
7	6.01	7.33	7.44	6.42	7.01	6.36	6.49	6.54	6.18	5.09	5.88	6.36
8	6.08	7.34	7.44	6.53	7.05	6.29	6.45	6.29	6.22	5.24	5.95	6.37
9	6.09	7.34	7.44	6.62	7.13	6.31	6.40	6.12	6.31	5.21	6.01	6.33
10	6.14	7.35	7.48	6.65	7.20	6.28	6.15	6.01	6.35	5.39	6.11	6.24
11	6.16	7.36	7.49	6.68	7.27	6.30	6.07	6.00	6.33	5.51	6.10	6.21
12	6.12	7.38	7.50	6.71	7.34	6.37	6.04	6.01	6.37	5.64	6.06	6.18
13	6.16	7.22	7.48	6.68	7.41	6.45	6.24	6.01	6.44	5.78	6.08	6.29
14	6.20	7.32	7.49	6.84	7.46	6.57	6.33	5.98	6.51	5.56	6.02	6.34
15	6.30	7.40	7.50	6.91	7.46	6.62	6.25	5.99	6.51	4.88	6.11	6.35
16	6.37	7.44	7.56	6.97	7.47	6.61	6.18	6.04	6.31	4.65	6.07	6.42
17	6.31	7.43	7.60	6.90	7.33	6.74	6.10	6.09	6.17	4.70	6.13	6.48
18	6.48	7.44	7.64	6.91	7.22	6.75	6.32	6.15	6.11	3.58	6.14	6.38
19	6.54	7.47	7.50	6.83	7.08	6.80	6.43	6.12	6.04	3.98	6.12	6.46
20	6.61	7.51	7.34	6.87	7.04	6.81	6.51	6.27	6.09	4.19	6.11	6.55
21	6.62	7.59	7.21	6.90	7.15	6.80	6.53	6.36	6.03	4.46	6.20	6.61
22	6.63	7.62	6.98	6.87	7.18	6.81	6.41	6.38	6.07	4.61	6.29	6.62
23	6.62	7.63	6.87	6.73	7.19	6.87	6.32	6.37	6.08	4.77	6.38	6.64
24	6.70	7.44	6.78	6.68	7.20	6.92	6.28	6.33	5.88	4.96	6.31	6.69
25	6.74	7.34	6.70	6.78	6.90	6.96	6.34	6.21	5.86	5.09	6.06	6.75

S19--Continued.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	6.79	7.26	6.68	6.81	6.71	6.99	6.45	5.92	6.03	5.19	5.98	6.73
27	6.83	7.24	6.64	6.83	6.62	7.05	6.51	5.32	6.10	5.34	5.96	6.71
28	6.93	7.22	6.62	6.84	6.58	7.06	6.49	5.22	6.13	5.40	6.06	6.81
29	6.97		6.76	6.76	6.60	7.04	6.43	5.41	6.09	5.34	6.20	6.86
30	6.95		6.81	6.70	6.67	7.06	6.39	5.57	6.15	5.46	6.32	6.81
31	7.08		6.77		6.71		6.46	5.79		5.65		6.86

S19A. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available:

1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	6.25	Mar. 29	5.74	May 29	5.76	July 26	5.72
Feb. 27	6.85	Apr. 27	5.97	June 27	5.87	Oct. 30	5.13

S20A. City of Miami. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available:

1946-50. Jan. 30, 7.35; Feb. 27, 8.25; Mar. 29, 7.36; Apr. 27, 7.63; May 29, 7.30; July 26, 6.82; Oct. 30, 6.12.

S21A. City of Miami. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 53 S., R. 40 E. Records available:

1946-50.

Jan. 30	6.95	Mar. 29	6.74	May 29	6.66	July 26	6.52
Feb. 27	7.94	Apr. 27	7.14	June 27	7.32	Oct. 30	6.09

S63. Graham's Dairy. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30 T. 52 S., R. 40 E. Records available:

1940-45, 1949. No measurement made in 1950.

S68. City of Miami. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Records available: 1940-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.65	7.20	7.22	6.62	6.84	6.02	7.01	6.47	5.72	5.77	5.36	6.18
2	5.65	7.29	7.59	6.77	6.69	5.92	6.55	6.40	5.74	5.81	5.34	....
3	5.65	7.04	7.49	6.82	6.81	5.90	6.35	6.29	5.51	5.55	5.51	....
4	5.85	7.16	7.29	6.92	6.85	6.35	6.33	6.21	5.43	5.82	5.37	....
5	5.97	7.18	7.20	6.25	6.71	6.09	6.10	6.13	5.43	5.35	5.43	....
6	6.06	7.04	7.52	5.95	7.12	5.89	6.16	6.27	5.41	4.93	5.48	....
7	6.16	7.16	7.64	6.14	6.79	5.83	6.34	6.23	5.41	4.88	5.62	....
8	6.07	6.93	7.30	6.21	6.77	5.86	6.31	5.98	5.41	4.82	5.61	6.18
9	5.68	7.33	7.42	6.35	6.85	6.00	6.13	5.75	5.78	4.94	5.59	6.25
10	5.87	7.37	7.43	6.30	7.23	5.98	5.99	5.51	5.92	4.96	5.65	6.29
11	5.86	7.38	7.47	6.33	7.23	5.98	5.99	5.43	6.00	5.15	5.48	6.28
12	6.03	7.12	7.45	6.22	7.42	6.18	5.80	5.54	5.95	5.47	5.44	6.26
13	6.14	7.21	7.45	6.72	7.54	6.25	5.93	5.41	5.90	5.65	5.49	6.32
14	6.21	7.21	7.69	6.77	7.58	6.30	6.16	5.33	6.22	5.29	5.61	6.25
15	6.30	7.19	7.77	6.72	7.36	6.39	6.05	5.53	6.23	4.61	5.57	6.25
16	6.51	7.33	7.81	6.83	7.22	6.43	5.93	5.48	6.09	4.37	5.93	6.33
17	6.36	7.12	7.76	6.71	6.95	6.45	5.82	5.46	5.78	3.71	5.67	6.25
18	6.61	7.09	7.56	6.70	6.77	6.47	5.78	5.67	5.82	3.16	5.90	6.23
19	6.76	7.27	7.12	6.72	6.80	6.49	6.00	5.59	5.77	3.75	5.90	6.00
20	6.50	7.42	6.98	6.99	6.73	6.28	5.99	6.02	5.71	3.77	5.85	5.98
21	6.44	7.56	6.78	6.59	7.15	6.48	6.15	6.00	5.63	3.77	5.63	6.17
22	6.32	7.72	6.60	6.65	7.02	6.43	6.01	6.00	5.61	4.11	5.63	6.15
23	6.47	7.59	6.51	6.45	7.01	6.47	5.93	6.03	5.62	4.49	5.81	6.35
24	6.69	7.42	6.63	6.71	6.82	6.58	5.87	5.95	5.67	4.58	5.74	6.46
25	6.80	7.32	6.59	6.78	6.50	6.47	6.03	5.78	5.66	4.73	5.76	6.42
26	6.98	7.23	6.75	6.53	6.44	6.47	5.99	5.61	5.78	4.98	5.62	6.52
27	6.60	7.25	6.78	6.64	6.42	6.95	6.11	5.11	5.65	5.08	5.59	6.59
28	6.84	7.26	6.78	6.53	6.43	6.91	6.21	5.04	5.63	5.03	5.64	6.49
29	6.89		6.77	6.74	6.55	6.72	6.15	....	5.70	5.24	5.81	6.85
30	6.86		6.73	6.76	6.22	6.70	6.25	....	5.77	5.19	5.99	6.67
31	6.88		6.42		6.09		6.22	5.20		5.27		6.47

S84. Coca Cola Bottling Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 53 S., R. 41 E. Records available:

1940-49. No measurement made in 1950.

S182. International Fruit Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 56 S., R. 40 E. Records available: 1940-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.95	7.92	8.61	9.13	9.04	9.10	9.44	8.36	7.38	5.94	4.62	6.59
2	6.95	7.96	8.64	9.17	9.07	9.07	9.45	8.39	7.38	6.93	4.77	6.64
3	7.00	7.99	8.67	9.19	9.10	9.06	9.44	8.41	7.32	6.87	4.84	6.69
4	7.05	8.00	8.68	9.22	9.13	9.05	9.43	8.42	7.28	6.82	4.78	6.74
5	7.08	8.06	8.71	9.23	9.17	9.04	9.38	8.43	7.23	6.63	4.94	6.79
6	7.11	8.09	8.74	8.99	9.21	9.02	9.34	8.46	7.20	5.54	5.00	6.85
7	7.12	8.12	8.76	8.94	9.24	9.01	9.34	8.48	7.19	5.13	5.08	6.82
8	7.12	8.15	8.78	8.92	9.27	9.00	9.32	8.30	7.19	4.87	5.12	6.81
9	7.13	8.18	8.81	8.91	9.30	8.99	9.28	8.17	7.20	4.86	5.20	6.83
10	7.20	8.19	8.85	8.92	9.33	8.99	9.22	8.03	7.24	4.88	5.27	6.87
11	7.23	8.20	8.87	8.94	9.36	9.00	9.17	7.97	7.27	4.94	5.34	6.91
12	7.26	8.25	8.90	8.95	9.37	9.01	9.14	7.90	7.30	5.00	5.42	6.94
13	7.28	8.28	8.91	8.96	9.40	9.02	9.13	7.86	7.33	5.04	5.48	6.99
14	7.32	8.30	8.93	8.98	9.42	9.05	9.12	7.82	7.36	4.60	5.55	7.03
15	7.36	8.34	8.92	8.98	9.45	9.08	8.85	7.80	7.37	4.34	5.62	7.07
16	7.39	8.37	8.92	9.03	9.47	9.10	8.69	7.79	7.38	4.24	5.68	7.10
17	7.42	8.40	8.94	9.06	9.43	9.11	8.64	7.78	7.38	3.89	5.72	....
18	7.46	8.43	8.95	9.09	9.39	9.14	8.56	7.77	7.39	3.67	5.79	....
19	7.49	8.46	8.95	9.11	9.38	9.17	8.54	7.78	7.40	3.75	5.87	....
20	7.50	8.49	8.93	9.13	9.39	9.20	8.54	7.79	7.42	3.82	5.92	....
21	7.54	8.51	8.93	9.16	9.40	9.23	8.54	7.83	7.44	3.91	5.99	....
22	7.57	8.53	8.94	9.19	9.43	9.26	8.48	7.87	7.40	4.02	6.05	....
23	7.60	8.54	8.95	9.22	9.43	9.28	8.41	7.90	7.20	4.11	6.11	....
24	7.63	8.50	8.96	9.24	9.41	9.31	8.36	7.94	7.08	4.16	6.18	....
25	7.66	8.53	8.97	9.25	9.30	9.35	8.31	7.98	7.05	4.25	6.26	....
26	7.70	8.55	8.98	9.04	9.23	9.38	8.29	7.98	7.02	4.34	6.33	....
27	7.73	8.57	9.02	9.00	9.19	9.40	8.28	7.76	7.01	4.41	6.38	7.49
28	7.74	8.60	9.05	8.98	9.16	9.39	8.27	7.59	7.00	4.49	6.44	7.52
29	7.80		9.07	8.99	9.15	9.40	8.28	7.50	6.99	4.43	6.50	7.55
30	7.84		9.09	9.00	9.13	9.41	8.30	7.44	6.97	4.60	6.55	7.57
31	7.88		9.12		9.12		8.31	7.41		4.67		7.41

No measurement made in 1950 in wells S185, S186, S187, S188, and S191.

S196. University of Florida Experiment Station. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 56 S., R. 38 E. Records available: 1932-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.22	8.16	8.76	9.46	9.20	7.50	8.39	7.27	6.33	5.80	5.35	6.87
2	7.24	8.17	8.80	9.49	9.24	7.23	8.44	7.31	6.40	5.84	5.43	6.90
3	7.27	8.20	8.82	9.54	9.37	7.17	8.47	7.21	6.38	5.87	5.52	6.95
4	7.28	8.24	8.86	9.56	9.32	7.20	8.50	7.12	6.22	5.86	5.51	6.99
5	7.32	8.27	8.88	9.59	9.36	7.25	8.40	7.10	6.15	5.15	5.47	7.04
6	7.34	8.29	8.90	9.42	9.40	7.32	8.26	7.14	6.09	3.80	5.41	7.08
7	7.37	8.34	8.93	9.13	9.43	7.37	7.80	7.20	6.10	3.90	5.48	7.10
8	7.42	8.37	8.96	8.47	9.47	7.42	7.45	7.25	6.17	3.66	5.54	6.97
9	7.43	8.40	8.99	8.95	9.53	7.47	7.36	7.18	6.23	3.60	5.63	6.94
10	7.47	8.43	9.02	8.90	9.58	7.53	7.30	7.04	6.32	3.86	5.70	6.94
11	7.50	8.47	9.05	8.90	9.62	7.58	7.22	6.94	6.40	4.00	5.76	6.98
12	7.52	8.49	9.08	8.90	9.66	7.64	7.16	6.91	6.42	4.13	5.84	7.00
13	7.52	8.52	9.10	8.91	9.69	7.70	7.20	6.89	6.26	4.32	5.90	7.06
14	7.59	8.54	9.14	8.94	9.73	7.77	7.23	6.90	6.20	4.20	5.95	7.10
15	7.64	8.59	9.06	8.97	9.78	7.83	7.12	6.93	6.14	3.83	6.01	7.13
16	7.67	8.61	9.17	9.00	9.80	7.88	6.96	6.97	6.17	3.82	6.07	7.18
17	7.70	8.63	9.19	9.05	9.84	7.95	6.90	7.04	6.10	3.77	6.12	7.22
18	7.74	8.68	9.21	9.10	9.80	7.97	6.87	7.17	6.10	3.65	6.18	7.26
19	7.77	8.70	9.25	9.14	9.79	7.93	6.87	7.09	6.10	3.75	6.23	7.27
20	7.82	8.75	9.22	9.17	9.78	7.91	6.92	7.11	6.15	4.00	6.29	7.35
21	7.84	8.76	9.20	9.22	9.80	7.96	6.99	7.15	6.20	4.15	6.34	7.33
22	7.87	8.77	9.21	9.26	9.80	8.00	6.94	7.15	6.24	4.30	6.41	7.38
23	7.90	8.80	9.22	9.28	9.70	8.05	6.82	7.12	5.94	4.42	6.45	7.40
24	7.93	8.77	9.24	9.33	9.07	8.13	6.77	7.04	5.86	4.53	6.50	7.43
25	7.95	8.74	9.27	9.37	8.55	8.18	6.78	6.98	....	4.63	6.55	7.47
26	7.97	8.70	9.20	9.32	8.13	8.23	6.82	6.91	....	4.75	6.61	7.50
27	7.99	8.73	9.31	9.26	7.93	8.27	6.87	6.65	....	4.84	6.66	7.53

S196--Continued.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
28	8.01	8.75	9.33	9.21	7.84	8.28	6.93	6.39	5.72	4.96	6.73	7.56
29	8.04		9.37	9.18	7.80	8.30	7.02	6.24	5.78	5.06	6.75	7.59
30	8.08		9.39	9.19	7.77	8.35	7.10	6.24	5.78	5.15	6.83	7.63
31	8.10		9.40		7.73		7.18	6.28		5.27		7.32

S290. J. C. Kersey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 52 S., R. 41 E. Records available: 1940-45, 1949. No measurement made in 1950.

S539. U. S. Dept. of Agriculture. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 55 S., R. 40 E. Records available: 1945-50.

Daily high and low water levels, from recorder graph

Date	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	15.70	16.14	16.57	16.98	16.55	16.99	16.56	17.11	16.28	16.82	16.51	17.00
2	15.77	16.23	16.57	17.03	16.55	17.03	16.49	17.04	16.25	16.82	16.60	17.06
3	15.86	16.23	16.59	17.05	16.34	16.99	16.43	16.99	16.27	16.88	16.60	17.22
4	15.89	16.38	16.54	17.04	16.29	16.81	16.40	16.95	16.37	16.92	16.73	17.19
5	16.03	16.53	16.35	16.99	16.33	16.89	16.12	16.86	16.40	16.93	16.71	17.13
6	16.13	16.64	16.27	16.80	16.39	16.91	16.12	17.00	16.40	16.91	16.66	17.05
7	16.38	16.77	.....	.....	16.37	16.91	16.61	17.05	16.48	17.05	16.58	16.95
8	16.12	16.71	.....	.....	16.44	16.99	16.47	16.97	16.64	17.11	16.45	16.85
9	15.96	16.47	.....	.....	16.59	17.08	16.39	16.91	16.71	17.11	16.50	16.88
10	16.10	16.64	16.46	16.90	16.67	17.11	16.34	16.82	16.63	17.11	16.54	16.96
11	16.28	16.76	16.51	16.92	16.52	17.11	16.30	16.74	16.65	17.10	16.59	17.03
12	16.39	16.79	16.42	16.95	16.49	16.97	16.41	16.87	16.65	17.10	16.67	17.09
13	16.39	16.81	16.33	16.83	16.61	17.02	16.37	16.86	16.65	17.10	16.67	17.11
14	16.51	16.90	16.39	16.82	16.81	17.15	16.33	16.83	16.65	17.09	16.70	17.13
15	16.47	16.91	16.59	17.00	16.72	17.17	16.39	16.88	16.68	17.14	16.60	17.06
16	16.45	16.90	16.59	17.06	16.69	17.15	16.30	16.85	16.63	17.11	16.59	16.95
17	16.47	16.93	16.58	17.06	16.62	17.16	16.14	16.67	16.47	16.99	16.46	16.91
18	16.31	16.90	16.53	17.03	16.50	17.04	16.13	16.65	16.41	16.89	16.48	16.96
19	16.26	16.77	16.50	16.97	16.42	16.92	16.20	16.77	16.44	16.87	16.54	16.99
20	16.35	16.84	16.41	16.90	16.48	16.96	16.37	16.90	16.37	16.80	16.56	16.99
21	16.37	16.83	16.41	16.89	16.56	17.05	16.52	16.93	16.37	16.87	16.62	17.04
22	16.35	16.81	16.40	16.83	16.64	17.15	16.47	16.97	16.37	16.76	16.68	17.12
23	16.33	16.78	16.47	16.91	16.79	17.17	16.53	16.92	16.33	16.85	.....	.....
24	16.31	16.77	16.59	16.98	16.72	17.11	16.47	16.89	16.43	16.83	16.76	17.19
25	16.37	16.76	16.74	17.04	16.71	17.13	16.46	16.87	16.29	16.75	16.78	17.21
26	16.42	16.86	16.70	17.06	16.75	17.11	16.45	16.85	16.30	16.84	16.79	17.22
27	16.57	16.92	16.65	17.09	16.59	17.07	16.45	16.86	16.45	16.92	16.77	17.23
28	16.56	16.91	16.57	17.01	16.67	17.05	16.42	16.87	16.40	16.89	16.80	17.25
29	16.55	16.95			16.75	17.17	16.39	16.89	16.38	16.91	16.83	17.28
30	16.61	16.96			16.89	17.19	16.35	16.91	16.42	16.95	16.81	17.26
31	16.55	17.01			16.73	17.28			16.40	16.87		

Daily high and low water levels, from recorder graph

Date	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	16.79	17.22	16.39	16.81	16.23	16.50	15.77	16.12	15.55	15.84	16.32	16.67
2	16.71	17.12	16.41	16.81	15.97	16.47	15.72	16.07	15.60	15.90	16.25	16.61
3	16.71	17.15	16.47	16.84	15.57	16.07	15.73	16.06	15.63	15.93	16.18	16.62
4	16.73	17.12	16.49	16.89	15.87	16.29	15.71	15.99	15.63	15.95	16.27	16.53
5	16.76	17.18	16.64	16.99	16.08	16.35	15.64	15.96	15.80	16.15	16.31	16.71
6	16.81	17.19	16.71	17.05	16.14	16.47	15.51	15.82	15.90	16.25	16.29	16.72
7	16.81	17.11	16.69	17.04	16.23	16.53	15.45	15.91	15.73	16.21	16.30	16.72
8	16.74	17.11	16.33	16.93	16.19	16.54	15.44	15.84	15.68	16.17	16.34	16.75
9	16.58	17.07	16.42	16.75	16.13	16.54	15.33	15.79	15.61	16.15	16.24	16.75
10	16.71	17.02	16.38	16.76	16.05	16.48	15.29	15.77	15.61	16.13	16.10	16.72
11	16.71	17.09	16.39	16.77	15.94	16.43	15.34	15.81	15.62	16.17	16.13	16.63
12	16.66	17.22	16.35	16.77	15.89	16.33	15.37	15.86	15.67	16.15	16.14	16.63
13	16.87	17.26	16.30	16.70	15.90	16.35	15.46	15.89	15.75	16.24	16.20	16.67
14	16.83	17.25	16.20	16.63	15.97	16.39	15.49	15.82	15.77	16.23	16.25	16.69
15	16.74	17.11	16.04	16.55	16.05	16.47	15.19	15.65	15.75	16.16	16.32	16.73
16	16.73	17.15	16.02	16.46	16.02	16.47	15.07	15.49	15.77	16.18	16.40	16.78
17	16.77	17.20	15.94	16.41	16.07	16.50	14.12	15.34	15.79	16.20	16.34	16.78
18	16.81	17.17	15.95	16.43	16.11	16.52	14.12	14.73	15.89	16.27	16.53	16.82
19	16.64	17.01	15.92	16.39	16.13	16.51	14.54	14.97	15.83	16.23	16.51	16.84
20	16.54	16.95	16.04	16.49	16.01	16.37	14.83	15.10	15.84	16.25	16.50	16.88

S539--Continued.

Daily high and low water levels from recorder graph

Date	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
21	16.50	16.87	16.16	16.58	15.94	16.35	14.94	15.27	15.98	16.35	16.46	16.89
22	16.53	16.91	16.15	16.57	16.02	16.37	15.03	15.38	16.00	16.41	16.45	16.84
23	16.55	16.94	16.15	16.55	15.96	16.37	15.20	15.52	16.16	16.49	16.50	16.90
24	16.54	16.94	16.17	16.57	15.95	16.35	15.31	15.62	16.08	16.50	16.46	16.89
25	16.54	16.96	16.02	16.47	15.92	16.36	15.30	15.67	16.31	16.68	16.52	16.92
26	16.51	16.94	15.72	16.32	15.81	16.31	15.28	15.67	16.44	16.75	16.45	16.91
27	16.47	16.91	15.73	16.19	15.75	16.19	15.33	15.64	16.36	16.74	16.32	16.83
28	16.50	16.93	15.81	16.26	15.70	16.15	15.37	15.72	16.41	16.73	16.25	16.67
29	16.47	16.89	15.85	16.27	15.72	16.04	15.41	15.73	16.37	16.75	16.19	16.67
30	16.42	16.85	15.87	16.27	15.72	16.12	15.47	15.77	16.32	16.71	16.17	16.61
31	16.39	16.81	15.93	16.41			15.49	15.81			16.16	16.69

Duval County

12. Jacksonville Motor Transit Co. About 200 feet east of Riverside Ave., about 75 feet south of McCoy St., Jacksonville. Records available: 1938, 1940-42, 1944, 1946-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	26.8	Apr. 17	28.0	Aug. 2	22.7	Oct. 30	26.8
Mar. 9	28.5	June 5	24.4	Sept. 18	23.8	Dec. 18	27.6

18. C. J. Price. In Jacksonville, about 400 feet east of Riverside Ave., about 50 feet north of Lomax St. Records available: 1938, 1940-41, 1946-50. Jan. 16, +38.1; Apr. 17, +37.4; June 5, +35.7; Aug. 2, +33.5; Sept. 18, +35.4; Oct. 30, +37.0; Dec. 18, +37.3.

89. C. F. Tresca. At nursery, north of Atlantic Boulevard, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 2 S., R. 28 E. Records available: 1939-41, 1946-50. Jan. 18, +12.3; Mar. 7, +13.7; Apr. 19, +10.6; Aug. 4, +11.8; Sept. 20, +12.3; Oct. 31, +12.8; Dec. 20, +13.3.

102. V. A. Stevens. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, T. 2 S., R. 27 E., about 240 feet north of Atlantic Boulevard. Records available: 1930-31, 1934, 1939-42, 1946-50.

Jan. 18	5.75	Apr. 19	6.90	Aug. 4	4.41	Oct. 31	3.07
Mar. 7	5.83	June 6	6.75	Sept. 20	3.13	Dec. 20	2.38

115. City of Jacksonville. In Ortega, east side of pump house, east of intersection of Baltic St. and Oxford Ave. Records available: 1930-31, 1938, 1940-42, 1944-50. Jan. 16, +31.2; Mar. 6, +32.3; Apr. 17, +28.4; June 5, +29.2; Aug. 2, +29.3; Oct. 30, +28.5; Dec. 18, +29.9.

118. City of Jacksonville. At southwest side of pump house, on west corner of intersection of Post and Dancy Sts, Jacksonville. Records available: 1940-50.

Water level above land-surface datum

Jan. 16	30.3	Apr. 17	29.0	Aug. 2	26.9	Oct. 30	31.4
Mar. 6	30.1	June 5	28.3	Sept. 18	27.3	Dec. 18	28.3

122. City of Jacksonville. About 20 feet north of 63d St. between Russell and Eastland Sts., Jacksonville. Records available: 1930, 1938, 1940-42, 1944-50.

Water level above land-surface datum

Jan. 18	40.5	Apr. 18	39.0	Aug. 3	37.7	Nov. 1	38.2
Mar. 8	39.7	June 7	38.3	Sept. 19	37.7	Dec. 19	37.1

123. City of Jacksonville. West of pump house, on west side of Huron St., about 150 feet north of Beaver St., Woodstock Park, Jacksonville. Records available: 1930-31, 1938-50.

Water level above land-surface datum

Jan. 16	32.4	Apr. 17	31.3	Aug. 3	29.6	Oct. 30	30.2
Mar. 6	32.0	June 5	30.0	Sept. 18	29.7	Dec. 18	30.6

129. Jim Merril. In Ortega, on east side of Ortega Boulevard, between First and Palmetto Sts. Records available: 1940-42, 1944-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	36.6	Apr. 17	34.0	Aug. 2	33.8	Oct. 30	35.5
Mar. 6	38.1	June 5	35.0	Sept. 18	33.8	Dec. 18	36.5

131. G. C. Cole. SW $\frac{1}{4}$ sec. 10, T. 1 S., R. 26 E., east side of Lem Turner Road, 0.7 mile north of Trout River. Records available: 1934, 1940-42, 1944-50.

Water level above land-surface datum

Jan. 17	35.8	Apr. 18	30.3	Aug. 3	32.0	Nov. 1	32.5
Mar. 8	33.5	June 7	31.5	Sept. 19	32.2	Dec. 19	33.7

145. Duval County School Board. In rear of Oceanway School, 0.5 mile north of Broward. Records available: 1940-42, 1944-50.

Water level above land-surface datum

Jan. 17	19.9	Apr. 18	18.7	Aug. 3	17.7	Nov. 1	17.8
Mar. 8	19.6	June 7	18.3	Sept. 19	17.7	Dec. 19	18.3

147. V. C. Johnson. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 1 N., R. 26 E. Records available: 1940-42, 1944-50.

Water level above land-surface datum

Jan. 17	26.5	Apr. 18	23.0	Aug. 3	20.6	Nov. 1	21.4
Mar. 8	25.6	June 7	25.3	Sept. 19	23.0	Dec. 19	21.4

149. Mrs. W. M. Bostwick. On north side of mouth of Drummond Creek, 1.2 miles southwest of Eastport. Records available: 1940-41, 1944-50.

Water level above land-surface datum

Jan. 18	24.4	Apr. 18	19.5	Aug. 3	22.0	Nov. 1	22.0
Mar. 8	26.0	June 7	22.5	Sept. 19	22.3	Dec. 19	23.2

154. J. M. Shield. SW $\frac{1}{4}$ sec. 22, T. 3 S., R. 27 E., between Florida East Coast Railroad and U. S. Highway 1, 1.2 miles north of Sunbeam. Records available: 1940-42, 1944, 1946-50.

Water level above land-surface datum

Jan. 19	26.0	Apr. 20	24.7	Aug. 1	23.9	Oct. 31	24.6
Mar. 9	24.0	June 8	24.1	Sept. 21	24.1	Dec. 20	24.6

160. City of Neptune Beach. About 400 feet from Atlantic Ocean, on southeast corner of intersection of 1st St. and Florida Ave., Neptune Beach. Records available: 1934, 1939-42, 1944-50.

Water level above land-surface datum

Jan. 18	37.1	Apr. 19	34.0	Aug. 4	35.3	Oct. 31	31.6
Mar. 7	35.9	June 6	37.1	Sept. 20	33.0	Dec. 20	31.9

164. Ribault Club. In pump house, Ribault Club, Fort George Island. Records available: 1930-31, 1940-41, 1944-50.

Water level above land-surface datum

Jan. 18	37.9	June 7	36.8	Sept. 19	36.0	Dec. 19	36.5
Apr. 18	37.5	Aug. 3	35.5	Nov. 1	37.1		

206. John Harrell. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 3 S., R. 25 E., 1 mile west of Blanding Road, 0.2 mile north of 103d St. Records available: 1941-42, 1948-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.75	4.46	4.72	5.00	5.43	6.08	6.93	6.61	6.72	6.31	5.95	5.70
2	3.68	4.49	4.86	4.93	....	6.15	6.91	6.59	6.73	6.32	5.92	5.72
3	3.60	4.55	4.91	4.90	....	6.12	6.82	6.57	6.73	6.17	5.78	5.51
4	3.66	4.65	4.90	4.92	5.54	6.02	6.72	6.58	6.58	6.07	5.69	5.46

206--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.75	4.67	4.79	4.90	5.61	5.94	6.67	6.62	6.41	6.11	5.84	5.62
6	3.77	4.60	4.66	4.99	5.73	6.06	6.58	6.64	6.09	6.21	5.88	5.62
7	3.84	4.52	4.58	5.07	....	6.15	6.48	6.69	6.10	6.23	5.79	5.63
8	3.96	4.60	4.60	5.38	5.88	6.23	6.45	6.75	6.22	6.18	5.63	5.75
9	3.92	4.58	4.83	5.09	5.91	6.23	6.38	....	6.24	6.02	5.58	5.62
10	3.90	4.55	4.88	5.11	5.94	6.18	6.38	....	6.21	6.04	5.59	5.52
11	3.94	4.60	4.81	5.09	5.98	6.11	6.42	....	6.22	6.08	5.63	5.50
12	4.00	4.61	4.77	5.08	5.95	6.12	6.42	....	6.26	6.05	5.67	5.48
13	4.00	4.55	4.70	5.12	5.93	6.24	6.41	....	6.38	6.15	5.65	5.63
14	4.05	4.54	4.86	5.23	5.91	6.30	6.42	....	6.41	6.25	5.67	5.68
15	4.05	4.56	4.83	5.27	5.84	6.35	6.49	....	6.39	6.22	5.67	5.63
16	4.07	4.60	4.63	5.37	5.84	6.38	6.55	....	6.45	6.17	5.60	5.66
17	4.10	4.67	4.78	5.33	5.87	6.43	6.50	....	6.53	6.04	5.50	5.60
18	4.03	4.75	4.77	5.28	5.84	6.48	6.43	....	6.56	5.72	5.54	5.64
19	4.09	4.70	4.82	....	5.82	6.53	6.43	....	6.57	5.57	5.52	5.74
20	4.25	4.73	4.74	....	5.84	6.63	6.45	....	6.53	5.61	5.54	5.78
21	4.26	4.71	4.77	....	5.94	6.74	6.45	....	6.49	5.58	5.52	5.86
22	4.18	4.60	4.70	5.58	5.97	6.82	6.44	....	6.37	5.67	5.50	5.79
23	4.12	4.65	4.82	....	5.93	6.85	6.48	....	6.30	5.73	5.50	5.76
24	4.16	4.75	4.85	5.48	5.88	6.85	6.52	....	6.37	5.78	5.42	5.66
25	4.31	4.76	4.86	....	5.86	6.82	6.56	....	6.47	5.83	5.45	5.64
26	4.36	4.72	4.87	5.49	5.88	6.72	6.58	6.83	6.51	5.89	5.49	5.55
27	4.35	4.84	4.77	5.53	5.90	6.74	6.63	6.82	6.48	5.93	5.51	5.55
28	4.35	4.84	4.77	....	5.95	6.78	6.63	6.78	6.44	5.97	5.59	5.57
29	4.35	....	4.87	5.52	5.98	6.79	6.62	6.76	6.41	5.97	5.68	5.47
30	4.35	....	5.04	5.50	6.00	6.85	6.61	6.73	6.35	5.92	5.68	5.42
31	4.41	....	5.10	....	6.02	....	6.62	6.73	....	5.94	....	5.50

Escambia County

45. U. S. Geol. Survey. About 1, 150 feet southwest of Louisville & Nashville Railroad, about 1, 600 feet northeast of St. Louis-San Francisco Railway, 0.5 mile south of Cantonment. Records available: 1940-50.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	92.61	92.00	92.14	92.90	93.25	93.85	94.36	94.59	94.79	95.61	95.94	95.80
2	91.69	92.00	92.39	92.78	93.19	93.88	94.41	94.45	94.83	95.69	95.85	95.80
3	91.49	92.10	92.34	92.77	93.31	93.85	94.45	94.54	94.95	95.65	95.70	95.66
4	91.57	92.13	92.17	92.55	93.40	93.76	94.40	94.55	94.47	95.55	95.90	95.85
5	91.72	92.12	92.17	92.81	93.36	93.78	....	94.57	93.75	95.56	96.15	95.94
6	91.83	92.05	92.06	93.03	93.36	93.90	94.33	94.62	94.35	95.63	96.22	95.89
7	91.88	91.95	92.02	92.77	93.43	....	94.25	94.65	94.50	95.70	96.14	96.20
8	92.07	91.98	92.20	92.75	93.47	....	94.26	94.71	94.68	95.61	95.95	96.25
9	92.04	91.84	92.58	92.86	93.49	....	94.35	94.75	94.79	95.64	95.93	96.15
10	91.99	91.82	92.58	92.87	93.55	....	94.39	94.74	94.86	95.69	96.09	96.12
11	92.08	91.83	92.40	92.90	93.59	....	94.45	94.71	94.95	95.68	96.20	96.10
12	92.10	91.82	92.34	92.89	93.49	....	94.49	94.78	95.04	95.68	96.22	96.02
13	92.08	91.79	92.28	92.89	93.35	....	94.51	94.78	95.10	95.78	96.21	96.24
14	92.13	91.87	....	93.01	93.29	94.01	94.52	94.76	95.12	95.81	96.20	96.22
15	92.13	92.03	91.87	93.05	93.29	94.01	94.54	94.79	95.09	95.81	96.21	96.24
16	92.16	92.06	91.82	93.06	....	93.99	94.59	94.81	95.15	95.84	96.11	96.30
17	92.13	92.07	92.37	92.97	....	93.96	....	94.77	95.29	95.75	96.07	96.34
18	92.07	92.09	92.36	92.81	....	93.95	....	94.70	95.34	95.58	96.03	96.52
19	92.11	92.07	92.48	92.91	....	94.00	94.50	94.70	95.31	95.44	95.95	96.53
20	92.29	92.07	92.49	93.02	....	94.04	94.49	94.76	95.35	95.43	95.67	96.50
21	92.35	92.00	....	93.09	....	94.05	94.49	94.76	95.37	95.52	95.02	96.56
22	92.21	92.00	....	93.13	....	94.09	94.45	94.78	95.32	95.67	94.22	96.48
23	92.14	91.85	90.42	93.12	....	94.10	94.50	94.93	95.29	95.77	93.70	96.41
24	92.11	....	90.80	92.95	93.73	94.11	94.59	94.90	95.40	95.91	94.17	96.19
25	92.15	....	91.52	92.82	93.74	94.14	94.59	94.90	95.56	95.93	94.98	95.57
26	92.27	....	91.78	92.97	93.81	94.14	94.49	94.94	95.63	95.94	95.12	95.07
27	92.15	....	91.85	93.11	93.79	94.09	94.51	94.95	95.60	95.95	95.34	95.45
28	92.19	....	92.17	93.24	93.74	94.06	94.51	94.92	95.60	96.00	95.59	95.60
29	92.19	....	92.57	93.25	93.78	94.07	94.51	94.61	95.59	96.06	95.75	95.75
30	92.15	....	92.90	93.25	93.69	94.22	94.56	94.65	95.59	96.04	95.73	95.94
31	92.02	....	92.92	....	93.72	....	94.66	94.59	....	95.99	....	96.24

46. U. S. Geol. Survey. 0.4 mile east of Ensley, 44 feet east of center line of Louisville & Nashville Railroad, 196 feet north of center line of a graded crossroad. Records available: 1939-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	62.33	63.57	64.86	65.68	66.78	.....	68.44	68.91	69.07	69.39	69.88
2	.....	62.37	63.72	64.84	65.67	66.84	.....	68.49	68.94	69.10	69.38	69.87
3	.....	62.48	63.74	64.80	65.75	66.81	.....	68.48	69.00	69.10	69.35	69.67
4	61.07	62.55	63.68	64.77	65.81	66.76	.....	68.48	68.97	69.03	69.25	69.78
5	61.17	62.57	63.68	64.99	65.84	66.80	.....	68.51	68.97	69.02	69.25	69.84
6	61.23	62.55	63.63	65.12	.....	66.89	67.80	68.55	69.05	69.06	69.40	69.77
7	61.43	62.52	63.62	65.15	.....	66.93	67.76	68.55	69.00	69.09	69.58	69.94
8	61.50	62.58	63.77	65.13	.....	67.00	67.79	68.64	69.03	69.04	69.49	70.04
9	61.47	62.60	64.00	65.15	.....	67.04	67.84	68.66	69.04	.....	69.45	70.02
10	61.47	62.63	64.03	65.15	.....	67.05	67.86	68.67	69.04	.....	69.49	69.99
11	61.53	62.68	63.96	65.19	.....	67.01	67.88	68.69	69.09	.....	69.51	69.98
12	61.57	62.68	63.93	65.20	.....	67.04	67.92	68.72	69.14	.....	69.66	69.92
13	61.58	62.66	63.94	65.21	.....	67.08	67.94	68.73	69.17	.....	69.68	70.02
14	61.63	62.71	64.12	65.29	.....	67.14	67.96	68.74	69.16	.....	69.70	70.03
15	61.64	62.96	64.05	65.33	.....	67.17	68.04	68.76	69.11	.....	69.74	70.03
16	61.71	63.04	63.96	65.36	.....	67.16	68.13	68.80	69.11	.....	69.70	70.08
17	61.74	63.07	64.17	65.32	66.20	67.19	68.15	68.79	69.17	.....	69.68	70.11
18	61.73	63.14	64.15	65.24	66.26	67.20	68.13	68.75	69.23	.....	69.66	70.16
19	61.77	63.14	64.20	65.33	66.30	67.25	68.12	68.76	69.23	.....	69.62	70.27
20	61.97	63.18	64.21	65.41	66.28	67.28	68.12	68.81	69.18	.....	69.65	70.30
21	62.01	63.20	64.26	65.48	66.32	67.31	68.14	68.85	69.12	.....	69.80	70.34
22	61.97	63.04	64.32	65.53	66.40	67.35	68.13	68.90	69.00	.....	69.74	70.32
23	61.93	63.24	64.42	65.52	66.49	67.37	68.18	68.96	68.95	.....	69.75	70.31
24	61.94	63.34	64.44	65.44	66.50	67.40	68.25	69.00	69.00	.....	69.80	70.28
25	62.07	63.39	64.47	65.38	66.54	67.45	68.30	68.99	69.09	69.30	69.88	70.27
26	62.14	63.47	64.45	65.48	66.57	67.44	68.30	69.00	69.14	69.32	69.78	70.20
27	62.17	63.57	64.34	65.54	66.55	67.44	68.28	69.04	69.15	69.34	69.78	70.24
28	62.17	.....	64.45	65.59	66.56	67.45	68.25	69.02	69.14	69.37	69.85	70.22
29	62.17	.....	64.74	65.51	66.60	67.46	68.25	69.00	69.09	69.40	69.90	70.20
30	62.22	.....	64.95	65.65	66.60	67.55	68.30	68.84	69.06	69.40	69.87	70.26
31	62.28	.....	64.96	.....	66.65	.....	68.39	68.77	.....	69.40	.....	70.40

60. U. S. Geol. Survey. In Pensacola, at foot of H St. Records available: 1940-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.67	7.70	8.21	8.17	7.99	8.96	9.61	9.42	.....	9.40	.....	9.43
2	7.67	7.71	8.23	8.17	7.98	9.07	9.66	9.40	.....	9.40	.....	9.44
3	7.67	7.72	8.25	8.15	7.98	9.16	9.69	9.41	.....	9.39	.....	9.43
4	7.66	7.72	8.24	7.97	7.99	9.17	.....	9.44	.....	9.40	.....	9.42
5	7.67	7.74	8.20	7.89	8.06	9.16	.....	9.46	.....	9.43	.....	.....
6	7.66	7.76	8.20	7.89	8.15	9.15	9.70	9.47	8.63	9.48	.....	.....
7	7.66	7.75	8.20	7.89	8.25	9.15	9.69	9.49	8.73	9.50	.....	.....
8	7.67	7.76	8.20	7.89	8.33	9.14	9.69	9.57	8.78	9.52	.....	.....
9	7.67	7.77	8.21	7.89	.....	9.13	9.68	9.66	8.82	9.53	.....	.....
10	7.67	7.77	8.23	7.89	.....	9.13	9.65	9.74	8.83	9.54	.....	.....
11	7.66	7.78	8.25	7.88	.....	9.14	9.62	9.80	8.83	9.56	.....	.....
12	7.65	7.78	8.25	7.88	.....	9.13	.....	9.83	8.87	9.59	.....	.....
13	7.65	7.80	8.25	7.88	.....	9.14	9.57	9.84	8.92	.....	.....	9.47
14	7.64	7.80	8.25	7.88	.....	9.16	9.56	9.84	8.96	.....	.....	9.46
15	7.64	7.85	8.24	7.88	.....	9.17	9.54	.....	8.98	.....	9.43	9.44
16	7.63	7.92	8.18	7.89	.....	9.22	9.52	.....	9.02	.....	9.42	9.43
17	7.64	7.96	8.18	7.90	.....	9.24	9.51	.....	9.03	.....	9.41	9.42
18	7.65	7.99	.....	.....	.....	9.24	9.49	.....	9.06	.....	9.40	9.41
19	7.65	8.02	.....	.....	.....	9.24	9.49	.....	9.11	.....	9.39	9.40
20	7.65	8.03	.....	7.98	.....	9.24	9.49	.....	9.18	.....	9.38	9.39
21	7.66	8.05	.....	8.01	.....	9.24	9.49	.....	9.22	.....	9.37	9.39
22	7.66	8.07	.....	8.03	.....	9.27	9.48	.....	9.26	.....	9.37	9.39
23	7.66	8.08	8.13	8.05	.....	9.30	9.42	10.08	9.28	.....	9.37	9.39
24	7.66	8.09	8.14	8.04	.....	9.33	9.41	10.09	9.29	.....	9.37	9.38
25	7.66	8.11	8.14	8.02	.....	9.37	9.43	10.11	9.30	.....	9.38	9.36
26	7.66	8.13	8.14	8.02	.....	9.41	9.43	10.12	9.34	.....	9.40	9.32
27	7.66	8.16	8.14	8.03	.....	9.44	9.43	10.12	9.38	.....	9.41	9.28
28	7.67	8.19	8.12	8.02	.....	9.48	9.43	10.12	9.39	.....	9.42	9.27
29	7.68	.....	8.12	8.02	.....	9.52	9.43	.....	9.39	.....	9.42	9.26
30	7.69	.....	8.14	8.00	.....	9.56	9.43	.....	9.40	.....	9.43	9.24
31	7.69	.....	8.16	.....	8.89	.....	9.43	.....	.....	.....	.....	9.24

60-A. U. S. Geol. Survey. In Pensacola, at foot of H Street. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	5.34	Apr. 5	4.73	July 5	5.87	Oct. 10	5.54
11	5.53	11	5.14	12	5.65	17	5.73
18	5.76	19	5.09	18	5.69	24	5.40
25	5.75	26	5.31	25	5.50	31	5.71
Feb. 1	5.77	May 2	5.30	Aug. 1	5.67	Nov. 7	6.00
8	5.91	9	5.58	8	5.75	14	5.85
15	5.65	16	5.63	15	5.88	21	5.84
22	5.89	23	5.62	22	5.38	28	6.27
Mar. 1	6.05	30	5.75	Sept. 5	4.60	Dec. 5	5.97
8	5.78	June 6	5.80	12	4.69	12	6.05
15	6.02	13	5.80	19	5.08	19	6.22
22	5.47	20	5.89	26	5.19	26	6.12
29	5.18	27	6.10	Oct. 3	5.28		

62. U. S. Geol. Survey. In Petterson Addition, Pensacola, on south side of Corry Field switching lead of St. Louis-San Francisco Railway, about 1,000 feet east of railroad bridge across Bayou Chico, on west side of Twelfth Ave. extended. Records available: 1940-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.10	11.27	11.93	11.68	11.41	11.98	.....	12.83	11.86	12.91	12.93	13.46
2	11.09	11.29	11.93	11.68	11.42	12.01	.....	12.86	11.93	12.88	12.99	13.49
3	11.08	11.30	11.94	11.68	11.43	12.03	.....	12.89	11.95	12.88	13.04	13.45
4	11.06	11.32	11.95	11.68	11.45	12.04	.....	12.90	11.95	12.95	13.10	13.38
5	11.05	11.34	11.95	11.68	11.47	12.05	.....	12.91	12.00	13.02	.....	13.34
6	11.05	11.36	11.95	11.68	11.50	12.07	.....	12.93	12.07	13.10	.....	13.28
7	11.07	11.36	11.95	11.68	11.52	12.08	.....	12.94	12.12	13.16	.....	13.31
8	11.07	11.38	11.95	11.68	11.54	.....	.....	12.97	12.16	13.18	13.30	13.33
9	11.08	11.40	11.95	11.67	11.56	.....	.....	13.01	12.20	13.15	13.35	13.36
10	11.08	11.41	11.96	11.66	11.59	.....	.....	13.05	12.20	13.18	13.38	13.37
11	11.08	11.42	11.96	11.65	11.62	.....	.....	13.13	12.04	13.27	13.42	13.37
12	11.07	11.43	11.95	11.65	11.64	.....	.....	13.18	12.09	13.35	13.33	13.38
13	11.08	11.42	11.95	11.65	11.66	.....	.....	13.22	12.15	13.43	13.19	13.39
14	11.08	11.43	11.95	11.65	11.68	.....	.....	13.23	12.20	13.48	13.08	13.40
15	11.08	11.45	11.94	11.65	11.69	.....	.....	13.24	12.25	13.50	13.10	13.38
16	11.08	11.48	11.94	11.61	11.70	.....	.....	13.26	12.33	13.43	13.09	13.36
17	11.08	11.51	11.94	11.50	11.71	.....	.....	13.31	12.38	13.43	13.10	13.29
18	11.09	11.59	11.93	.....	11.72	.....	.....	13.37	12.42	13.41	13.12	13.28
19	11.10	11.62	11.89	.....	11.74	.....	12.84	.....	12.50	13.34	13.13	13.30
20	11.11	11.62	11.88	11.35	11.75	.....	12.85	.....	12.59	13.22	13.11	13.31
21	11.12	11.65	11.84	11.29	11.76	.....	12.85	.....	12.64	13.04	13.12	13.34
22	11.13	11.75	11.74	11.32	11.77	12.28	12.86	.....	12.70	12.95	13.17	13.36
23	11.13	11.80	11.77	11.34	.....	12.32	12.86	13.48	12.76	12.78	13.21	13.36
24	11.13	11.84	11.78	11.34	11.78	12.36	12.87	13.58	12.76	12.72	13.24	13.32
25	11.14	11.89	11.78	11.34	11.81	12.39	.....	13.66	12.77	12.71	13.26	13.26
26	11.15	11.91	11.76	11.36	11.84	12.41	12.81	13.70	12.85	12.74	13.29	13.22
27	11.17	11.91	11.74	11.37	11.86	.....	12.81	13.63	12.91	12.76	13.32	13.18
28	11.20	11.93	11.67	11.38	11.88	.....	12.81	13.52	12.93	12.77	13.33	13.19
29	11.21	.....	11.65	11.39	11.89	.....	12.82	13.28	12.94	12.80	13.39	13.19
30	11.22	.....	11.66	11.40	11.92	.....	12.82	13.17	12.94	12.82	13.43	13.19
31	11.24	.....	11.67	.....	11.94	.....	12.82	12.15	.....	12.86	.....	13.20

62-A. U. S. Geol. Survey. In Petterson Addition, Pensacola, on south side of Corry Field switching lead of St. Louis-San Francisco Railway, about 1,000 feet east of railroad bridge across Bayou Chico, on west side of Twelfth Avenue extended. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	12.47	Mar. 15	12.62	May 23	12.24	Aug. 1	12.23
11	12.30	22	12.49	30	12.36	8	12.34
18	12.48	29	12.30	June 6	12.41	15	12.36
25	12.40	Apr. 5	11.97	13	12.43	22	12.27
Feb. 1	12.47	11	11.52	20	12.49	Sept. 5	10.08
8	12.46	19	11.61	27	12.63	12	10.67
15	12.34	26	11.78	July 5	12.67	19	11.06
22	12.50	May 2	11.31	12	12.62	26	11.40
Mar. 1	12.41	9	12.01	18	12.50	Oct. 3	11.49
8	12.60	16	12.14	25	12.44	10	11.72

62-A--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 17	11.91	Nov. 7	11.93	Nov. 28	12.22	Dec. 19	12.52
24	11.80	14	12.03	Dec. 5	12.61	26	12.67
31	11.94	21	12.10	12	12.57		

Flagler County

5. George Brunner. 2.5 miles north of Flagler Beach, on west side of U. S. Highway A1A, in sec. 35, T. 11 S., R. 31 E. Records available: 1934, 1947-50. Measurement discontinued. Jan. 19, 10.6; Mar. 9, 8.9; Apr. 20, 10.5; June 8, 10.3; Aug. 1, 9.3; Sept. 21, 10.1; Nov. 2, 10.7.

14. W. E. Kudna. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 12 S., R. 30 E. In Bunnell, about 300 feet south of depot and east of paved road. Drilled unused industrial well, diameter 6 to 4 inches, depth 180 feet. Measurements prior to May 1950 supplied by U. S. Engineering Dept. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1936	3.2	Oct. 1939	3.3	May 1943	4.5	Feb. 1947	3.9
Apr.	3.7	Nov.	3.6	June	5.0	Mar.	3.3
May	4.4	Dec.	4.2	July	4.1	Apr.	3.4
June	3.8	Jan. 1940	3.8	Aug.	3.8	May	4.2
July	4.1	Feb.	3.8	Sept.	3.0	June	3.7
Aug.	4.1	Mar.	3.9	Oct.	3.5	July	3.4
Sept.	4.4	Apr.	4.0	Nov.	3.8	Aug.	3.5
Oct.	3.6	May	4.9	Dec.	4.0	Sept.	2.7
Nov.	3.4	June	4.0	Jan. 1944	3.7	Oct.	2.9
Dec.	3.6	July	3.8	Feb.	4.2	Nov.	3.0
Jan. 1937	3.7	Aug.	4.0	Mar.	3.8	Dec.	3.1
Feb.	3.5	Sept.	3.5	Apr.	3.9	Jan. 1948	3.4
Mar.	3.4	Oct.	4.0	May	4.2	Feb.	3.4
Apr.	3.5	Nov.	4.6	June	4.5	Mar.	3.2
May	3.4	Dec.	4.7	July	3.5	Apr.	3.8
June	4.1	Jan. 1941	3.7	Aug.	3.6	May	4.4
July	4.4	Feb.	3.8	Sept.	3.3	June	4.8
Aug.	3.7	Mar.	3.7	Oct.	3.2	July	4.7
Sept.	3.5	Apr.	4.0	Nov.	3.6	Aug.	3.6
Oct.	3.2	May	4.5	Dec.	4.0	Sept.	3.6
Nov.	3.2	June	4.8	Jan. 1945	3.6	Oct.	3.3
Dec.	3.2	July	3.2	Feb.	4.0	Nov.	3.4
Jan. 1938	2.8	Aug.	3.6	Mar.	4.7	Dec.	3.8
Feb.	3.4	Sept.	3.2	Apr.	4.9	Jan. 1949	4.1
Mar.	3.1	Oct.	2.8	May	5.4	Feb.	4.3
Apr.	4.6	Nov.	3.2	June	5.7	Mar.	4.5
May	5.1	Dec.	3.3	July	4.0	Apr.	4.9
June	4.8	Jan. 1942	3.5	Aug.	3.6	May	5.5
July	3.9	Feb.	3.5	Sept.	3.1	June	5.3
Aug.	4.0	Mar.	3.0	Oct.	3.2	July	4.9
Sept.	4.1	Apr.	3.5	Nov.	3.7	Aug.	5.1
Oct.	3.4	May	4.4	Dec.	3.6	Sept.	3.7
Nov.	3.5	June	3.7	Jan. 1946	3.4	Oct.	3.4
Dec.	3.7	July	3.6	Feb.	3.9	Nov.	3.5
Jan. 1939	4.0	Aug.	4.1	Mar.	3.6	Dec.	4.1
Feb.	4.2	Sept.	3.4	June	4.1	Jan. 24, 1950	4.3
Mar.	4.7	Oct.	3.8	July	3.8	Feb. 13	4.5
Apr.	4.7	Nov.	4.4	Aug.	3.6	Mar. 13	4.9
May	4.5	Jan. 1943	4.4	Sept.	3.0	Apr. 18	5.0
June	4.1	Feb.	4.7	Oct.	3.2	Aug. 11	5.57
July	3.6	Mar.	4.2	Jan. 1947	4.1		
Sept.	3.1	Apr.	4.4				

Gadsden County

6. State of Florida. Florida Experimental Station. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 2 N., R. 3 W., 1 mile south of Quincy. 2 feet west of pump house. Records available: 1946-50. Mar. 23, 138.51; May 5, 139.01; June 23, 139.57; Aug. 18, 139.33; Nov. 16, 140.44.

Gulf County

30. Apalachicola Northern Railroad Co. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 7 S., R. 11 W., in Port St. Joe, at footings of old water tank north of depot. Records available: 1946-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.00	25.82	25.58	25.60	26.10	26.57	26.76	25.20	23.55	24.80	25.90	26.25
2	23.30	25.65	25.50	25.40	26.24	26.70	26.75	25.30	23.70	24.78	25.72	26.27
3	23.70	25.50	25.67	25.40	26.23	26.82	26.55	25.30	23.75	24.80	25.44	26.05
4	23.90	25.42	25.65	25.35	26.45	26.33	26.23	25.30	23.94	24.88	25.57	26.10
5	24.10	25.30	25.33	25.19	26.50	26.30	25.10	25.37	23.35	25.03	25.60	26.25
6	24.05	25.40	25.35	25.27	26.70	26.25	25.00	25.32	23.45	25.17	25.52	26.00
7	24.30	25.19	25.45	25.47	26.70	26.31	25.22	25.22	23.76	25.20	25.50	25.98
8	24.48	25.35	25.70	25.70	26.62	26.34	25.15	25.17	23.87	25.00	25.52	26.21
9	24.45	25.57	25.94	25.55	26.75	26.30	25.25	25.20	24.11	24.89	25.55	26.28
10	24.45	25.69	26.13	24.00	27.08	26.18	25.19	25.23	24.29	24.95	25.60	26.10
11	24.60	25.60	26.08	23.93	27.15	26.05	24.78	25.26	24.40	24.62	25.60	25.61
12	24.63	25.70	25.83	24.42	27.22	25.96	24.88	25.40	24.40	24.94	25.64	25.90
13	24.60	25.88	25.65	24.64	27.20	25.67	25.15	25.47	24.50	24.99	25.70	26.09
14	24.85	25.80	25.68	25.04	26.68	26.03	25.40	25.40	24.80	25.10	25.78	26.14
15	24.87	25.89	25.47	25.50	26.60	26.05	25.42	25.43	24.66	25.02	25.69	26.07
16	24.90	25.89	24.67	25.63	26.68	26.10	25.40	25.50	24.76	27.06	25.61	25.94
17	25.00	25.70	24.75	25.55	26.54	26.24	25.23	25.50	24.79	24.89	25.71	25.87
18	25.10	25.80	25.05	25.51	26.70	26.15	24.78	25.52	24.85	24.83	25.76	25.90
19	25.25	25.70	25.13	25.61	27.08	26.23	24.50	25.55	24.95	24.49	25.55	26.07
20	25.40	25.73	25.00	25.58	26.89	26.40	24.78	25.30	24.98	24.52	25.50	26.00
21	25.60	25.65	25.19	25.83	26.87	26.45	24.95	25.00	24.96	24.60	25.65	26.10
22	25.50	25.60	25.32	25.05	26.90	26.55	25.10	24.85	25.05	24.68	25.84	26.00
23	25.50	25.68	25.41	25.92	26.72	27.19	25.04	25.00	25.20	24.86	25.91	25.93
24	25.68	25.60	25.33	25.80	26.70	27.01	25.02	25.22	25.06	25.02	25.87	25.74
25	25.75	25.65	25.37	25.86	26.60	26.92	25.28	25.30	25.25	25.07	25.93	24.55
26	25.60	25.75	25.05	25.71	26.48	26.70	25.34	25.36	24.98	25.30	26.00	23.65
27	25.70	25.95	24.70	25.90	26.31	26.81	25.30	25.33	24.80	25.94	26.01	23.75
28	25.85	25.69	24.74	25.99	26.40	26.90	25.24	25.15	24.83	25.53	26.15	24.25
29	25.60		24.83	26.25	26.37	26.74	24.99	24.98	24.90	25.32	26.25	24.52
30	25.40		25.10	26.15	26.20	26.70	24.87	24.70	24.65	25.48	26.21	24.75
31	25.78		25.45		26.34		25.02	23.62		25.68		25.02

Hendry County

3. Formerly G138. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 48 S., R. 33 E. Replaced by jetted observation well, diameter 6 inches, depth 10 feet. Recording gage reinstalled July 20, 1950. Jan. 12, 1.10. Records available: 1941-44, 1950.

Daily highest water level, from recorder graph

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	3.03	1.67	0.87	0.66	1.20
2	....	3.03	2.03	.54	.69	1.22
3	....	2.57	.30	.75	.70	1.21
4	....	2.40	.22	.80	.46	1.29
5	....	2.48	.57	.15	.75	1.31
6	....	2.45	.59	....	.76	1.33
7	....	2.48	.65	....	.76	.43
8	....	2.57	.69	....	.79	.67
9	....	2.49	.70	.46	.81	.96
10	....	2.50	.72	.54	.67	1.03
11	....	2.00	.73	.62	.62	1.07
12	....	2.00	.75	.50	.83	1.08
13	....	2.17	.61	.60	.84	1.12
14	....	2.34	.77	.68	.85	1.12
15	....	2.42	.80	.73	.90	1.15
16	....	2.49	.84	.39	.84	1.17
17	....	2.60	.86	.61	.91	.85
18	....	2.64	.90	.01	.96	1.20
19	....	2.70	.38	.34	.98	1.25
20	2.47	2.75	.74	.42	.84	1.29
21	2.28	2.73	.82	.49	.98	1.30
22	2.30	2.68	.30	.16	.99	1.30
23	2.46	2.55	.68	.44	1.03	1.32
24	2.55	2.55	.71	.52	.94	1.35

3--Continued.

Daily highest water level, from recorder graph

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
25	2.60	2.67	0.75	0.27	1.11	1.38.
26	2.66	2.56	.82	.54	1.11	1.38
27	2.70	2.40	.82	.60	1.12	1.40
28	2.77	1.97	.52	.62	1.16	1.47
29	2.83	1.75	.78	.67	1.19	1.49
30	2.90	1.42	.82	.52	1.18	1.51
31	2.97	1.68		.66		1.60

5. Formerly G299. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 44 S., R. 32 E. Replaced by jetted observation well, depth 13 feet, diameter 6 inches. Recording gage installed July 21, 1950. Records available: 1941-50. Jan. 12, 2.47; Jan. 13, 2.52; Jan. 31, 3.31; Feb. 14, 3.23; Feb. 15, 3.87; Apr. 27, 3.80; July 12, 1.18; July 20, 0.57; July 21, 1.42; July 22, 1.44; July 23, 0.93; July 24, 1.12.

Daily highest water level, from recorder graph

Day	Aug.	Sept.	Oct.	Nov.	Dec.	Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	0.85	2.00	1.62	2.39	17	1.48	1.28	0.98	2.06	2.25
2	....	1.07	2.02	1.65	2.40	18	1.57	1.36	.55	2.10	2.30
3	....	.28	2.00	1.69	2.27	19	1.49	1.09	.70	2.15	2.35
4	1.30	.30	2.07	1.24	2.25	20	1.25	1.34	.85	2.17	2.40
5	1.43	.35	2.00	1.58	2.35	21	1.50	1.43	.99	2.20	2.42
6	1.50	.57	1.80	1.67	2.40	22	1.59	1.50	1.02	2.24	2.44
7	1.53	.50	1.99	1.73	1.87	23	1.55	1.57	.96	2.26	2.45
8	1.62	.61	1.55	1.76	1.91	24	1.73	1.61	1.14	2.07	2.46
9	1.73	.71	1.55	1.81	1.96	25	1.80	1.68	1.20	2.19	2.48
10	.61	.82	1.70	1.83	2.02	26	1.25	1.77	1.28	2.25	2.50
11	.57	.90	1.82	1.88	2.06	27	.97	1.84	1.35	2.30	2.51
12	.76	1.01	1.93	1.92	2.12	28	.60	1.81	1.40	2.35	2.53
13	1.00	1.10	2.03	1.95	2.12	29	.48	1.90	1.47	2.37	2.55
14	1.17	1.19	1.91	1.99	2.16	30	.56	1.95	1.52	2.37	2.47
15	1.30	.85	1.75	1.99	2.20	31	.71		1.59		2.52
16	1.38	1.17	1.30	2.02	2.23						

Highlands County

9. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 33 S., R. 31 E., Avon Park Bombing Range. Drilled observation well, diameter 6 inches, depth 26 feet. Land-surface datum is 131 feet above mean sea level, 1929 adjustment. Recording gage installed November 5, 1948. Records available: 1948-50.

Daily highest water level, from recorder graph, 1948

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 5	2.83	Nov. 20	3.12	Dec. 4	3.21	Dec. 18	3.54
6	2.86	21	3.13	5	3.33	19	3.55
7	2.80	22	3.16	6	3.35	20	3.56
8	2.85	23	3.18	7	3.36	21	3.57
9	2.87	24	3.20	8	3.38	22	3.58
10	2.90	25	3.23	9	3.40	23	3.59
11	2.93	26	3.25	10	3.43	24	3.61
12	2.95	27	3.26	11	3.44	25	3.62
13	2.98	28	3.20	12	3.45	26	3.64
14	3.00	29	3.20	13	3.47	27	3.65
15	3.03	30	3.23	14	3.48	28	3.66
16	3.05	Dec. 1	3.26	15	3.49	29	3.68
17	3.07	2	3.27	16	3.52	30	3.69
18	3.09	3	3.28	17	3.53	31	3.70
19	3.11						

Daily highest water level, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.71	3.99	4.39	4.58	4.68	5.04	3.86	2.07	1.74	1.38	2.89	3.39
2	3.71	4.00	4.41	4.57	4.71	5.05	3.89	2.21	1.91	1.58	2.92	3.40
3	3.72	4.01	4.42	4.57	4.74	5.07	3.92	2.32	1.99	1.72	2.94	3.42
4	3.73	4.02	4.43	4.57	4.76	5.08	3.95	2.41	2.05	1.81	2.98	3.45
5	3.74	4.03	4.44	4.58	4.77	5.09	3.97	1.88	2.13	1.87	3.01	3.45
6	3.75	4.04	4.45	4.60	4.77	5.10	4.01	2.06	2.20	1.94	3.03	3.48

9--Continued.

Daily highest water level, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
7	3.76	4.05	4.47	4.63	4.78	5.11	4.05	2.19	2.26	2.00	3.05	3.49
8	3.77	4.07	4.48	4.65	4.80	5.12	3.90	2.33	3.32	1.82	3.08	3.50
9	3.78	4.08	4.49	4.68	4.80	5.13	3.66	2.45	2.37	1.98	3.09	3.51
10	3.80	4.10	4.51	4.69	4.82	5.14	3.65	2.53	2.25	2.07	3.11	3.54
11	3.81	4.12	4.52	4.71	4.82	5.15	3.66	2.50	2.37	2.12	3.13	3.55
12	3.83	4.13	4.53	4.72	4.82	4.93	3.70	1.66	2.47	2.18	3.15	3.56
13	3.83	4.14	4.55	4.73	4.83	4.82	3.74	1.81	2.53	2.24	3.17	3.57
14	3.84	4.15	4.57	4.74	4.85	4.78	3.78	1.99	2.57	2.28	3.05	3.59
15	3.85	4.17	4.57	4.75	4.86	4.77	3.81	1.77	2.38	2.33	2.93	3.60
16	3.86	4.18	4.58	4.53	4.87	4.77	3.65	2.15	2.42	2.39	2.93	3.62
17	3.88	4.19	4.59	4.41	4.88	4.75	2.94	2.31	2.59	2.43	2.98	3.64
18	3.89	4.20	4.60	4.38	4.88	4.39	2.78	2.41	2.40	2.50	3.04	3.65
19	3.91	4.21	4.61	4.38	4.90	4.28	2.74	2.43	2.47	2.54	3.10	3.66
20	3.92	4.23	4.62	4.38	4.91	4.12	2.72	2.52	2.59	2.59	3.15	3.69
21	3.91	4.25	4.63	4.37	4.92	4.04	2.61	2.55	2.67	2.63	3.18	3.70
22	3.92	4.28	4.64	4.38	4.93	4.01	2.63	2.49	1.73	2.67	3.21	3.70
23	3.92	4.30	4.66	4.41	4.95	4.01	2.57	2.45	1.75	2.72	3.23	3.71
24	3.92	4.32	4.67	4.44	4.95	3.97	2.58	2.64	1.92	2.76	3.25	3.75
25	3.93	4.34	4.68	4.48	4.97	3.77	2.67	2.69	1.41	2.62	3.26	3.75
26	3.93	4.35	4.69	4.51	4.98	3.77	2.73	2.72	.87	2.62	3.29	3.75
27	3.94	4.36	4.70	4.54	5.00	3.77	3.78	.55	.67	2.68	3.31	3.75
28	3.95	4.37	4.73	4.58	5.00	3.78	2.80	1.32	.69	2.74	3.33	3.76
29	3.96		4.73	4.61	5.02	3.80	2.86	1.54	.55	2.77	3.34	....
30	3.97		4.66	4.64	5.02	3.83	2.63	1.60	.70	2.81	3.37	....
31	3.98		4.60		5.03		2.14	1.68		2.85		....

Daily highest water level, from recorder graph, 1950

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.56	5.67	5.39	4.78	2.91	3.53
2	5.56	5.67	5.41	4.78	2.94	3.55
3	5.56	5.68	5.41	4.79	2.95	3.52
4	5.56	5.70	4.96	4.80	2.97	3.42
5	5.57	5.70	4.65	4.82	2.99	3.41
6	5.57	5.71	4.32	4.83	3.01	3.42
7	5.34	5.58	5.72	4.26	4.84	3.03	3.37
8	5.58	5.73	4.25	4.85	3.05	3.34
9	5.59	5.68	4.25	4.77	3.07	3.34
10	5.60	5.44	4.27	4.68	3.08	3.35
11	5.61	5.30	4.30	4.64	3.16	3.40
12	5.62	5.29	4.33	4.63	3.13	3.44
13	5.62	5.14	4.35	4.63	3.15	3.48
14	5.63	5.10	4.38	4.63	3.17	3.52
15	5.63	5.07	4.41	4.65	3.20	3.55
16	5.63	5.06	4.45	4.45	3.22	3.56
17	5.65	5.05	4.47	3.06	3.23	3.57
18	5.66	5.06	4.51	2.21	3.25	3.60
19	5.66	5.07	4.55	2.27	3.27	3.62
20	5.66	5.09	4.56	2.35	3.30	3.64
21	5.66	5.12	4.58	2.02	3.31	3.65
22	5.66	5.14	4.60	2.20	3.32	3.67
23	5.66	5.17	4.64	2.30	3.36	3.67
24	5.65	5.19	4.66	2.41	3.37	3.69
25	5.64	5.22	4.70	2.52	3.40	3.70
26	5.64	5.25	4.73	2.62	3.43	3.70
27	5.63	5.27	4.75	2.68	3.45	3.73
28	5.50	5.64	5.30	4.77	2.75	3.48	3.74
29	5.53	5.65	5.32	4.77	2.80	3.50	3.75
30	5.53	5.65	5.35	4.78	2.85	3.52	3.77
31		5.66	5.36		2.88		3.78

10. U. S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, T. 35 S., R. 29 E., 4 miles southeast of Sebring on State Highway 623. Records available: 1948-50.

10--Continued.

Daily highest water level, from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.03	30.78	31.41	32.08	32.63	33.07	33.28	32.89	32.58	31.66	31.56	31.78
2	30.05	30.81	31.43	32.11	32.64	33.07	33.28	32.89	32.57	31.66	31.55	31.79
3	30.07	30.83	31.46	32.13	32.65	33.07	33.29	32.87	32.56	31.65	31.54	31.78
4	30.10	30.86	31.48	32.15	32.67	33.07	33.30	32.86	32.55	31.65	31.53	31.81
5	30.13	30.88	31.50	32.16	32.69	33.00	33.30	32.85	32.54	31.64	31.53	31.83
6	30.15	30.90	31.52	32.18	32.71	33.09	33.31	32.85	32.53	31.66	31.52	31.85
7	30.18	30.93	31.54	32.20	32.73	33.10	33.30	32.84	32.52	31.68	31.52	31.86
8	30.20	30.96	31.57	32.22	32.74	33.10	33.28	32.83	32.51	31.69	31.51	31.87
9	30.23	30.98	31.59	32.24	32.76	33.11	33.26	32.83	32.48	31.70	31.51	31.88
10	30.25	31.00	31.62	32.26	32.78	33.12	33.24	32.83	32.46	31.72	31.51	31.89
11	30.28	31.03	31.63	32.27	32.80	33.12	33.21	32.82	32.43	31.73	31.51	31.90
12	30.30	31.04	31.66	32.29	32.81	33.13	33.19	32.80	32.38	31.75	31.52	31.91
13	30.33	31.07	31.67	32.31	32.83	33.13	33.17	32.80	32.33	31.77	31.54	31.94
14	30.35	31.09	31.70	33.33	32.84	33.14	33.15	32.80	32.27	31.78	31.55	31.95
15	30.37	31.12	31.72	32.35	32.85	33.15	33.13	32.79	32.20	31.80	31.56	31.95
16	30.40	31.14	31.74	32.37	32.87	33.16	33.11	32.77	32.13	31.77	31.56	31.97
17	30.42	31.16	31.77	32.38	32.88	33.17	33.08	32.76	32.05	31.82	31.57	31.98
18	30.44	31.18	31.79	32.40	32.91	33.17	33.08	32.75	32.00	31.79	31.58	32.00
19	30.47	31.21	31.82	32.42	32.92	33.18	33.06	32.75	31.95	31.82	31.60	32.01
20	30.50	31.23	31.83	32.45	32.93	33.19	33.05	32.73	31.89	31.77	31.60	32.03
21	30.51	31.25	31.86	32.46	32.94	33.20	33.02	32.72	31.85	31.75	31.62	32.04
22	30.53	31.27	31.87	32.48	32.97	33.20	33.02	32.70	31.80	31.72	31.63	32.05
23	30.56	31.30	31.90	32.49	33.00	33.21	33.00	.....	31.77	31.70	31.65	32.06
24	30.59	31.32	31.92	32.51	.....	33.22	32.99	.....	31.75	31.67	31.65	32.07
25	30.61	31.34	31.94	32.53	.....	33.22	32.98	.....	31.72	31.65	31.68	32.08
26	30.64	31.36	31.97	32.55	.....	33.24	32.96	.....	31.70	31.64	31.70	32.10
27	30.66	31.38	31.98	32.56	33.04	33.24	32.95	.....	31.69	31.63	31.70	32.10
28	30.68	31.41	32.00	32.58	33.05	33.25	32.94	.....	31.68	31.62	31.73	32.12
29	30.71		32.03	32.60	.....	33.26	32.93	.....	31.67	31.60	31.75	32.14
30	30.73		32.05	32.61	.....	33.27	32.92	.....	31.67	31.58	31.76	32.15
31	30.76		32.07	.....	.....		32.90	32.59		31.57		32.17

11. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 35 S., R. 31 E. State Highway 66, 3.1 miles northwest of Istokpoga Canal. Records available: 1948-50.

Daily highest water level, from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.58	4.12	4.57	4.94	4.65	4.73	4.91	4.90	4.73	3.88	2.80	3.41
2	3.60	4.14	4.58	4.95	4.55	4.75	4.93	4.93	4.70	3.88	2.85	3.41
3	3.64	4.16	4.59	4.97	4.54	4.80	4.94	4.96	4.50	3.89	2.86	3.41
4	3.65	4.19	4.61	4.97	4.55	4.84	4.94	5.01	4.00	3.95	2.53	3.44
5	3.68	4.20	4.61	4.96	4.55	4.87	4.92	5.05	3.70	4.02	2.55	3.46
6	3.70	4.20	4.61	4.98	4.58	4.90	4.94	5.07	3.40	4.02	2.63	3.48
7	3.73	4.22	4.62	5.00	4.62	4.40	4.87	5.08	3.35	4.08	2.70	3.43
8	3.73	4.25	4.64	5.00	4.66	4.20	4.72	5.09	3.33	4.11	2.76	3.41
9	3.76	4.26	4.65	5.02	4.67	4.13	4.52	5.10	3.36	4.15	2.84	3.40
10	3.77	4.27	4.66	5.03	4.72	4.11	4.50	5.10	3.42	4.03	2.90	3.40
11	3.79	4.30	4.67	5.04	4.77	4.10	4.35	5.11	3.49	3.60	2.95	3.45
12	3.80	4.32	4.68	5.05	4.83	4.15	4.30	5.09	3.52	3.55	3.00	3.40
13	3.81	4.34	4.69	5.06	4.87	4.17	4.26	5.03	3.59	3.52	3.02	3.50
14	3.82	4.36	4.70	5.07	4.90	4.23	4.24	4.87	3.64	3.57	3.05	3.53
15	3.84	4.37	4.70	5.09	4.95	4.27	4.30	4.80	3.70	3.58	3.05	3.54
16	3.85	4.40	4.71	5.10	4.98	4.32	4.32	4.75	3.75	3.37	3.04	3.54
17	3.87	4.41	4.75	5.10	5.03	4.37	4.38	4.75	3.81	2.98	3.05	3.53
18	3.88	4.42	4.75	5.11	5.06	4.43	4.42	4.75	3.86	1.83	3.11	3.53
19	3.90	4.43	4.76	5.12	5.10	4.48	4.45	4.77	3.90	1.87	3.15	3.54
20	3.92	4.45	4.77	5.13	5.13	4.51	4.49	4.84	3.97	1.96	3.16	3.56
21	3.93	4.46	4.77	5.15	5.14	4.57	4.53	4.86	4.00	2.08	3.20	3.58
22	3.93	4.47	4.77	5.16	5.07	4.59	4.55	4.87	4.04	2.18	3.24	3.59
23	3.95	4.48	4.80	5.17	5.07	4.65	4.60	4.90	4.10	2.27	3.25	3.60
24	3.97	4.49	4.81	5.19	5.00	4.70	4.64	4.92	4.14	2.36	3.26	3.61
25	3.99	4.50	4.82	5.20	4.90	4.76	4.67	4.93	4.20	2.43	3.30	3.63
26	4.01	4.51	4.83	5.14	4.83	4.80	4.72	4.92	4.20	2.49	3.30	3.65
27	4.03	4.53	4.84	5.11	4.77	4.85	4.73	4.90	4.15	2.56	3.34	3.66
28	4.05	4.54	4.85	5.00	4.74	4.88	4.77	4.87	3.97	2.60	3.35	3.66
29	4.07		4.92	4.83	4.72	4.90	4.82	4.84	3.88	2.65	3.37	3.68
30	4.09		4.93	4.71	4.70	4.85	4.85	4.83	3.85	2.72	3.40	3.68
31	4.11		4.94		4.69		4.90	4.77		2.77		3.70

12. U. S. Geol. Survey. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 36 S., R. 33 E., State Highway 66 near Fort Bassinger. Records available: 1949-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.77	4.65	5.26	5.86	6.32	6.60	5.41	4.71	3.76	4.22	3.49	4.18
2	3.82	4.66	5.29	5.88	6.31	6.60	5.23	4.75	3.80	4.24	3.51	4.20
3	3.86	4.69	5.31	5.90	6.32	6.61	5.16	4.78	3.64	4.25	3.54	4.20
4	3.91	4.71	5.33	5.92	6.32	6.62	5.08	4.82	3.40	4.28	3.42	4.22
5	3.97	4.73	5.35	5.93	6.33	6.63	5.00	4.86	3.33	4.32	3.40	4.25
6	4.03	4.74	5.37	5.95	6.35	6.42	4.86	4.89	3.30	4.34	3.45	4.27
7	4.08	4.76	5.39	5.97	6.36	5.59	4.62	4.90	3.33	4.37	3.50	4.27
8	4.15	4.78	5.41	5.99	6.37	5.36	4.46	4.93	3.40	4.40	3.55	4.26
9	4.20	4.81	5.43	6.00	6.38	5.28	4.38	4.95	3.46	4.42	3.60	4.25
10	4.23	4.83	5.46	6.02	6.39	5.25	4.18	4.98	3.53	4.44	3.64	4.25
11	4.25	4.85	5.48	6.04	6.40	5.24	4.15	4.98	3.59	4.46	3.67	4.27
12	4.27	4.88	5.51	6.06	6.42	5.24	4.12	4.96	3.65	4.48	3.70	4.30
13	4.30	4.90	5.53	6.08	6.43	5.25	4.12	4.75	3.70	4.52	3.74	4.32
14	4.31	4.92	5.55	6.10	6.44	5.28	4.15	4.65	3.74	4.54	3.77	4.35
15	4.33	4.93	5.57	6.12	6.45	5.32	4.18	4.62	3.67	4.56	3.79	4.37
16	4.35	4.95	5.58	6.13	6.46	5.35	4.22	4.63	3.68	4.41	3.80	4.38
17	4.37	4.98	5.60	6.15	6.47	5.39	4.25	4.65	3.74	4.00	3.82	4.39
18	4.38	5.00	5.61	6.16	6.48	5.43	4.29	4.70	3.80	2.80	3.85	4.40
19	4.40	5.03	5.63	6.18	6.50	5.48	4.33	4.75	3.83	2.80	3.88	4.42
20	4.42	5.05	5.64	6.20	6.50	5.53	4.36	4.82	3.88	2.80	3.90	4.44
21	4.43	5.08	5.66	6.21	6.52	5.57	4.39	4.80	3.93	2.85	3.93	4.45
22	4.44	5.10	5.67	6.23	6.53	5.60	4.41	4.41	3.96	2.92	3.96	4.46
23	4.46	5.11	5.68	6.24	6.53	5.64	4.43	4.30	4.00	3.00	3.99	4.47
24	4.48	5.14	5.70	6.25	6.54	5.69	4.46	4.26	4.05	3.07	4.00	4.49
25	4.50	5.15	5.72	6.26	6.54	5.74	4.48	4.27	4.10	3.14	4.03	4.50
26	4.52	5.18	5.74	6.28	6.55	5.78	4.52	4.30	4.13	3.20	4.05	4.51
27	4.54	5.20	5.75	6.29	6.55	5.82	4.55	4.33	4.14	3.25	4.08	4.52
28	4.55	5.23	5.76	6.29	6.56	5.86	4.57	4.40	4.15	3.32	4.10	4.54
29	4.58		5.82	6.30	6.57	5.89	4.61	3.99	4.18	3.36	4.13	4.55
30	4.60		5.83	6.31	6.57	5.70	4.64	3.85	4.20	3.42	4.16	4.56
31	4.62		5.85		6.58		4.68	3.76		3.45		4.59

13. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 37 S., R. 33 E. State Highway 70, 0.5 mile west of Kissimmee River bridge. Records available: 1948-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.48	4.48	5.00	....	5.01	5.02	4.92	5.25	4.07	4.98	3.35	4.33
2	3.52	4.50	5.02	....	5.06	5.01	4.95	5.30	4.10	4.99	3.38	4.35
3	3.56	4.52	5.04	4.21	5.08	4.98	4.97	5.33	3.97	5.00	3.44	4.34
4	3.62	4.49	5.05	4.24	5.12	4.98	5.05	5.38	3.80	5.05	3.46	4.37
5	3.68	4.50	5.07	4.25	5.15	5.02	5.08	5.42	3.79	5.07	3.55	4.40
6	3.73	4.57	5.03	4.31	5.18	5.08	5.12	5.44	3.77	5.09	3.60	4.43
7	3.78	4.55	5.07	4.37	5.21	4.96	4.80	5.45	3.80	5.14	3.64	4.37
8	3.85	4.58	5.08	4.41	5.24	4.94	4.42	5.46	3.85	5.16	3.67	4.35
9	3.90	4.60	5.11	4.45	5.26	4.95	4.30	5.48	3.90	5.19	3.71	4.35
10	3.95	4.62	5.14	4.48	5.27	4.98	4.22	5.50	3.98	5.07	3.76	4.39
11	4.00	4.64	5.15	4.52	5.31	5.04	4.17	5.53	4.06	5.11	3.80	4.43
12	4.03	4.66	5.17	4.56	5.33	5.08	4.17	5.52	4.13	5.15	3.83	4.45
13	4.07	4.68	5.19	4.60	5.36	5.13	4.22	5.52	4.18	5.20	3.87	4.46
14	4.10	4.69	5.20	4.64	5.37	5.20	4.25	5.53	4.23	5.22	3.90	4.49
15	4.15	4.70	4.36	4.68	5.40	5.26	4.33	5.55	4.30	5.24	3.88	4.51
16	4.18	4.73	4.12	4.72	5.41	5.34	4.40	5.53	4.37	4.73	3.86	4.52
17	4.20	4.75	4.11	4.75	5.43	5.34	4.47	5.57	4.42	3.89	3.88	4.53
18	4.21	4.77	4.11	4.78	5.34	5.41	4.52	5.58	4.48	2.85	3.94	4.56
19	4.24	4.80	4.14	4.81	5.45	5.28	4.57	5.60	4.52	2.60	3.98	4.58
20	4.25	4.82	4.17	4.83	5.47	5.17	4.62	5.62	4.55	2.57	4.01	4.60
21	4.27	4.84	3.79	4.87	5.48	5.12	4.68	5.48	4.57	2.62	4.05	4.63
22	4.27	4.85	3.60	4.90	5.51	5.04	4.74	5.48	4.63	2.60	4.07	4.65
23	4.30	4.87	3.60	4.94	5.29	5.02	4.82	5.37	4.68	2.64	4.10	4.67
24	4.33	4.88	3.66	4.97	5.01	4.97	4.87	5.29	4.71	2.73	4.14	4.68
25	4.35	4.89	3.72	4.99	4.94	4.92	4.93	5.25	4.77	2.82	4.17	4.69
26	4.37	4.90	3.78	4.99	4.92	4.86	5.00	5.16	4.80	2.91	4.19	4.71
27	4.39	4.94	3.86	4.87	4.92	4.86	5.04	5.00	4.86	3.00	4.22	4.74
28	4.40	4.96	3.92	4.93	4.95	4.86	5.10	4.75	4.88	3.08	4.25	4.75
29	4.48		....	4.96	5.00	4.86	5.17	4.52	4.90	3.16	4.27	4.77
30	4.45		....	4.98	5.02	4.88	5.22	4.20	4.94	3.23	4.31	4.78
31	4.47		....		4.99		5.27	4.08		3.30		4.80

14. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, T. 38 S., R. 30 E., State Highway 25, 0.1 mile south of State Highway 70. Records available: 1948-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.42	16.99	17.53	18.08	18.59	19.08	19.24	19.72	19.93	18.88	18.90	19.31
2	16.43	17.00	17.55	18.10	18.59	19.09	19.27	19.73	19.78	18.90	18.90	19.32
3	16.45	17.03	17.57	18.12	18.61	19.11	19.30	19.74	19.67	18.92	18.90	18.33
4	16.47	17.05	17.59	18.13	18.63	19.12	19.33	19.75	19.59	18.93	18.93	19.35
5	16.49	17.06	17.61	18.14	18.65	19.13	19.35	19.77	19.51	18.95	18.96	19.36
6	16.50	17.08	17.63	18.17	18.67	19.15	19.36	19.78	19.40	18.97	18.98	19.37
7	16.52	17.09	17.64	18.19	18.68	19.17	19.36	19.80	19.19	18.99	18.99	19.39
8	16.55	17.12	17.66	18.21	18.71	19.18	19.36	19.81	18.95	19.00	19.00	19.40
9	16.56	17.13	17.69	18.23	18.72	19.19	19.38	19.83	18.77	19.03	19.03	19.40
10	16.58	17.15	17.70	18.24	18.73	19.21	19.39	19.84	18.65	19.04	19.05	19.42
11	16.60	17.16	17.72	18.26	18.76	19.22	19.40	19.85	18.58	19.05	19.07	19.43
12	16.62	17.19	17.73	18.27	18.77	19.23	19.42	19.86	18.52	19.07	19.10	19.45
13	16.64	17.20	17.75	18.29	18.79	19.24	19.43	19.87	18.50	19.09	19.11	19.46
14	16.65	17.23	17.77	18.30	18.81	19.25	19.45	19.89	18.48	19.10	19.13	19.47
15	16.67	17.25	17.78	18.33	18.82	19.27	19.46	19.90	18.47	19.12	19.14	19.48
16	16.69	17.26	17.80	18.34	18.84	19.28	19.47	19.92	18.47	19.13	19.15	19.50
17	16.70	17.28	17.82	18.36	18.86	19.29	19.48	19.93	18.49	19.14	19.15	19.51
18	16.73	17.30	17.83	18.38	18.88	19.30	19.50	19.94	18.50	19.10	19.16	19.52
19	16.75	17.33	17.86	18.39	18.89	19.32	19.51	19.95	18.52	19.05	19.18	19.54
20	16.77	17.34	17.87	18.41	18.92	19.33	19.53	19.97	18.54	19.01	19.19	19.55
21	16.78	17.35	17.89	18.43	18.93	19.34	19.54	19.98	18.57	18.97	19.20	19.57
22	16.80	17.38	17.91	18.45	18.94	19.24	19.55	20.00	18.60	18.95	19.21	19.58
23	16.82	17.39	17.93	18.46	18.88	19.19	19.57	20.01	18.63	18.93	19.22	19.60
24	16.84	17.42	17.94	18.47	18.95	19.16	19.58	20.02	18.64	18.90	19.23	19.60
25	16.86	17.44	17.96	18.49	18.97	19.13	19.60	20.04	18.71	18.90	19.24	19.62
26	16.88	17.45	17.97	18.51	18.98	19.13	19.63	20.05	18.75	18.89	19.25	19.63
27	16.89	17.48	17.99	18.52	18.99	19.14	19.64	20.05	18.78	18.88	19.26	19.64
28	16.91	17.50	18.01	18.54	19.01	19.15	19.65	20.05	18.81	18.88	19.28	19.66
29	16.93		18.03	18.55	19.03	19.17	19.67	20.07	18.83	18.88	19.29	19.68
30	16.95		18.05	18.58	19.04	19.20	19.68	20.08	18.86	18.88	19.30	19.69
31	16.98		18.07		19.07		19.70	20.06		18.89		19.70

15. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 39 S., R. 30 E., Florida Highway 25, 0.10 mile north of Highlands-Glades County line. Records available: 1948-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.77	3.49	3.77	3.87	3.70	4.27	4.35	4.55	1.67	2.90	2.40	3.05
2	2.80	3.51	3.78	3.87	3.68	4.27	4.32	4.60	1.94	2.92	2.44	3.05
3	2.83	3.52	3.79	3.87	3.72	4.27	4.30	4.63	.80	2.92	2.45	3.04
4	2.87	3.55	3.81	3.30	3.77	4.28	4.23	4.65	.52	2.94	2.29	2.98
5	2.91	3.56	3.82	3.11	3.81	4.31	4.16	4.67	.78	2.98	2.48	3.00
6	2.94	3.57	3.83	3.09	3.83	4.33	4.11	4.63	.45	3.00	2.53	3.05
7	2.97	3.53	3.84	3.12	3.87	4.35	4.09	4.48	1.32	3.02	2.56	2.40
8	3.03	3.52	3.86	3.16	3.91	4.37	4.08	4.43	1.63	2.64	2.58	2.42
9	3.05	3.52	3.88	3.22	3.94	4.39	4.05	3.70	1.79	2.62	2.62	2.49
10	3.08	3.55	3.89	3.28	3.97	4.40	4.02	3.40	1.93	2.61	2.64	2.55
11	3.11	3.53	3.90	3.34	4.00	4.42	4.00	2.95	2.04	2.70	2.69	2.60
12	3.13	3.52	3.92	3.39	4.03	4.44	3.98	2.45	2.08	2.76	2.73	2.66
13	3.14	3.52	3.93	3.44	4.05	4.47	3.98	2.48	1.68	2.81	2.76	2.70
14	3.15	3.57	3.95	3.48	4.08	4.51	3.98	2.65	2.05	2.91	2.79	2.75
15	3.17	3.59	3.96	3.53	4.10	4.54	3.97	2.55	2.15	2.96	2.80	2.80
16	3.21	3.60	3.97	3.56	4.12	4.56	3.95	2.65	2.22	2.25	2.76	2.82
17	3.22	3.61	3.99	3.60	4.14	4.60	3.94	2.80	2.27	1.50	2.75	2.83
18	3.22	3.63	3.99	3.63	4.15	4.63	3.94	2.89	2.33	.65	2.82	2.86
19	3.26	3.64	4.00	3.66	4.16	4.64	3.94	3.03	2.36	1.44	2.88	2.90
20	3.27	3.67	4.01	3.68	4.17	4.69	3.95	3.09	2.40	1.70	2.90	2.95
21	3.29	3.67	4.02	3.71	4.20	4.70	3.99	2.32	2.43	1.84	2.95	2.97
22	3.30	3.68	4.03	3.74	4.22	4.72	4.04	2.37	2.45	1.96	2.96	2.98
23	3.33	3.70	4.03	3.77	4.24	4.73	4.08	2.48	2.50	2.07	3.01	3.02
24	3.35	3.71	4.04	3.79	4.24	4.74	4.14	2.65	2.55	2.14	2.70	3.03
25	3.36	3.72	4.05	3.81	4.24	4.73	4.20	2.78	2.58	2.20	2.70	3.05
26	3.38	3.73	4.06	3.83	4.24	4.67	4.25	2.27	2.64	2.23	2.77	3.08
27	3.39	3.75	4.07	3.86	4.24	4.54	4.30	2.27	2.67	2.30	2.84	3.10
28	3.41	3.76	4.08	3.89	4.24	4.45	4.35	1.82	2.70	2.30	2.91	3.12
29	3.42		3.94	3.67	4.24	4.40	4.40	1.88	2.82	2.37	2.95	3.13
30	3.45		3.88	3.67	4.25	4.37	4.45	1.50	2.85	2.40	3.02	3.14
31	3.47		3.87		4.26		4.50	1.23		2.38		3.16

Hillsborough County

13. City of St. Petersburg. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 27 S., R. 18 E., about 5 miles north-east of Citrus Park. Records available: 1930-35, 1937, 1939-40, 1944-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.55	8.34	8.85	8.49	9.32	9.43	9.52	7.15	7.57	6.99	7.27	8.14
2	7.53	8.35	8.83	8.48	9.34	9.50	9.48	7.17	7.54	7.03	7.31	8.12
3	7.49	8.39	8.97	8.51	9.39	9.53	9.39	7.18	7.52	7.01	7.30	8.01
4	7.53	8.43	8.98	8.55	9.43	9.52	9.24	7.24	7.28	6.97	7.32	7.88
5	7.60	8.46	8.97	8.54	9.47	9.54	9.17	7.25	6.78	7.01	7.48	7.90
6	....	8.46	8.90	....	9.56	9.63	9.05	7.21	6.36	7.13	7.56	7.86
7	7.63	8.43	8.70	....	9.65	9.68	8.80	7.27	6.35	7.21	7.53	7.73
8	7.72	8.49	8.58	8.60	9.72	9.57	8.55	7.33	6.28	7.23	7.49	7.68
9	7.76	8.51	8.54	8.61	9.74	9.51	8.38	7.37	6.20	7.18	7.51	7.58
10	7.78	8.50	8.46	8.63	9.73	9.45	8.24	7.38	6.16	7.12	7.56	7.49
11	7.82	8.52	8.36	8.64	9.76	9.29	8.08	7.39	6.17	7.11	7.61	7.48
12	7.85	8.53	8.30	8.63	9.73	9.18	8.00	7.36	6.20	7.12	7.66	7.48
13	7.87	8.53	8.25	8.66	9.72	9.12	7.95	7.34	6.25	7.16	7.70	7.54
14	7.90	8.59	8.29	8.72	9.72	9.13	7.79	7.35	6.27	7.21	7.74	7.56
15	7.91	8.65	8.29	8.80	9.73	9.16	7.66	7.37	6.30	7.25	7.78	7.55
16	7.94	8.67	8.23	8.89	9.69	9.20	7.50	7.41	6.38	7.27	7.78	7.56
17	7.94	8.72	8.31	8.91	9.67	9.28	7.30	7.42	6.49	7.18	7.73	7.49
18	7.92	8.78	8.32	8.91	9.62	9.36	7.12	7.41	6.58	6.95	7.76	7.47
19	7.96	8.77	8.27	8.95	9.58	9.43	7.08	7.45	6.62	6.92	7.83	7.48
20	8.06	8.78	8.24	8.98	9.56	9.54	7.08	7.48	6.65	6.88	7.85	7.48
21	8.08	8.79	8.24	9.08	9.58	9.61	7.11	7.51	6.68	6.86	7.89	7.47
22	8.06	8.73	8.22	9.16	9.62	9.62	7.10	7.56	6.69	6.92	7.90	7.44
23	8.05	8.76	8.29	9.17	9.64	9.58	7.07	7.63	6.72	6.95	7.93	7.44
24	8.08	8.85	8.31	9.14	9.59	9.59	7.11	7.63	6.80	6.97	7.93	7.42
25	8.16	8.88	8.35	9.17	9.44	9.55	7.07	7.63	6.91	6.99	7.97	7.46
26	8.21	8.85	8.37	9.18	9.37	9.52	6.98	7.67	7.02	7.05	8.00	7.46
27	8.21	8.89	8.36	9.20	9.32	9.53	6.94	7.72	7.05	7.10	7.98	7.46
28	8.20	8.90	8.40	9.24	9.30	9.58	6.92	7.74	7.06	7.13	....	7.51
29	8.23		8.46	9.27	9.32	9.57	6.94	7.72	7.02	7.17	8.09	7.52
30	8.27		8.53	9.32	9.32	9.52	7.01	7.63	6.98	7.20	8.10	7.48
31	8.32		8.54		9.35		7.10	7.66		7.23		7.42

30. C. L. Councilman. Sec. 31, T. 31 S., R. 19 E., about 3 miles north of Ruskin. Drilled unused irrigation well, diameter 6 inches, depth 500 feet. Recording gage installed July 13, 1950. Records available: 1950.

Daily mean water level, above land-surface datum, from recorder graph

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	8.82	11.97	10.88	....	6.23
2	....	8.83	11.94	11.00	....	6.86
3	....	8.82	11.92	11.09	7.48	8.35
4	....	8.77	12.06	11.65	9.10	9.80
5	....	8.85	12.85	12.05	10.32	10.53
6	....	8.85	....	11.55	9.50	10.98
7	....	8.82	....	11.29	8.02	11.31
8	....	8.86	....	11.23	6.75	11.28
9	....	8.98	....	10.76	6.27	11.52
10	....	9.02	....	10.57	6.50	11.78
11	....	9.17	....	10.60	6.60	11.65
12	....	....	....	10.80	6.59	10.96
13	....	....	....	11.65	6.42	11.46
14	8.48	....	....	12.62	6.10	11.69
15	8.50	....	....	12.56	5.80	11.98
16	8.52	9.95	....	12.11	6.33	12.01
17	8.57	10.07	....	11.82	8.19	12.07
18	8.62	10.18	8.68	12.52	8.68	12.00
19	8.63	10.24	8.23	12.86	9.20	11.40
20	8.63	10.22	9.20	12.90	8.53	11.03
21	8.63	10.15	9.33	12.92	8.07	11.16
22	8.67	9.96	9.28	12.65	7.28	11.50
23	8.70	9.86	9.07	12.10	7.12	11.40
24	8.70	10.10	8.84	11.08	7.40	11.36
25	8.72	10.47	8.45	10.09	7.70	11.47
26	8.75	10.57	7.83	9.91	6.50	11.12
27	8.79	10.64	7.80	....	6.33	10.45

30--Continued.

Daily mean water level, above land-surface datum, from recorder graph

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
25	8.97	10.85	8.39	.....	6.55	10.02
29	8.98	11.24	9.15	.....	6.52	10.00
30	8.93	11.52	10.46	.....	5.41	10.32
31	8.80	11.87		.....		11.48

Holmes County

4. Mrs. D. Hughes. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 3 N., R. 17 W., at Ponce de Leon, south of railroad and east of depot. Records available: 1947-50. Mar. 22, +5.14; May 4, +4.17; June 23, +2.90; Aug. 17, +2.71; Oct. 7, +3.65; Nov. 17, +2.86.

7. Charles McAllister. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 7 N., R. 14 W., in Wynnum, on south side of Louisville & Nashville Railroad tracks. Records available: 1947-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.71	9.86	10.12	9.72	9.63	10.02	10.58	10.30	10.56	10.68	11.27	11.74
2	9.69	9.86	10.22	9.70	9.63	10.07	10.61	10.30	10.47	10.72	11.27	11.74
3	9.63	9.91	10.22	9.70	9.66	10.07	10.63	10.30	10.42	10.72	11.22	11.60
4	9.64	9.94	10.17	9.65	9.72	10.04	10.64	10.31	10.32	10.68	11.28	11.63
5	9.68	9.95	10.10	9.60	9.73	10.03	10.64	10.32	10.26	10.72	11.41	11.69
6	9.70	9.93	10.03	9.62	9.78	10.08	10.61	10.34	10.27	10.78	11.47	11.62
7	9.74	9.90	9.97	9.61	9.82	10.13	10.55	10.40	10.20	10.82	11.45	11.65
8	9.77	9.93	10.00	9.60	9.86	10.17	10.54	10.46	10.23	10.81	11.38	11.68
9	9.73	9.95	10.10	9.60	9.90	10.20	10.54	10.49	10.22	10.84	11.39	11.58
10	9.70	9.96	10.09	9.60	9.94	10.18	10.55	10.52	10.20	10.88	11.46	11.54
11	9.72	9.96	10.04	9.60	9.96	10.14	10.56	10.56	10.23	10.89	11.51	11.54
12	9.73	9.94	10.02	9.59	9.95	10.15	10.56	10.59	10.27	10.91	11.53	11.52
13	9.73	9.92	9.98	9.58	9.92	10.20	10.55	10.61	10.31	10.98	11.55	11.62
14	9.75	9.92	10.07	9.62	9.88	10.24	10.55	10.64	10.32	11.01	11.57	11.60
15	9.75	10.00	10.00	9.65	9.82	10.24	10.57	10.66	10.32	11.04	11.58	11.58
16	9.78	10.00	9.83	9.67	9.77	10.23	10.58	10.69	10.35	11.07	11.56	11.60
17	9.78	10.03	9.86	9.67	9.77	10.21	10.57	10.69	10.43	11.06	11.55	11.61
18	9.74	10.05	9.80	9.61	9.77	10.22	10.54	10.72	10.48	10.98	11.57	11.67
19	9.77	10.04	9.81	9.59	9.76	10.23	10.51	10.76	10.52	10.92	11.57	11.68
20	9.83	10.06	9.78	9.60	9.74	10.25	10.51	10.78	10.50	10.94	11.57	11.68
21	9.83	10.02	9.77	9.65	9.77	10.26	10.52	10.83	10.52	10.98	11.66	11.72
22	9.76	9.92	9.72	9.68	9.80	10.28	10.53	10.88	10.48	11.05	11.61	11.69
23	9.72	10.01	9.76	9.67	9.82	10.30	10.55	10.94	10.45	11.08	11.63	11.67
24	9.72	10.07	9.75	9.63	9.82	10.32	10.60	10.97	10.50	11.13	11.65	11.64
25	9.78	10.08	9.74	9.58	9.83	10.34	10.61	11.00	10.57	11.16	11.68	11.64
26	9.81	10.11	9.72	9.58	9.86	10.37	10.57	11.03	10.60	11.18	11.63	11.61
27	9.80	10.18	9.63	9.62	9.88	10.39	10.52	11.06	10.60	11.21	11.64	11.64
28	9.78	10.16	9.61	9.63	9.90	10.43	10.44	11.08	10.62	11.25	11.70	11.66
29	9.77		9.72	9.63	9.95	10.46	10.35	11.04	10.63	11.27	11.74	11.62
30	9.79		9.81	9.63	9.94	10.52	10.31	10.95	10.66	11.27	11.72	11.63
31	9.84		9.79		9.96		10.31	10.69		11.27		11.72

Jackson County

11. Mose Speight. 3 miles west of Cottdale, on west side of U. S. Highway 90, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 5 N., R. 12 W. Records available: 1946-48. Measurement discontinued.

14. W. C. McRae. 0.5 mile north of Campbellton, on east side of U. S. Highway 23. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 6 N., R. 12 W. Records available: 1946-50. Mar. 22, 32.13; May 4, 26.26; Nov. 17, 35.52. Measurement discontinued.

15. Town of Campbellton. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, T. 6 N., R. 12 W., about 50 feet south of water tank in town of Campbellton. Diameter 8 inches, depth 315 feet. Recording gage installed Sept. 28, 1949. Records available: 1949-50.

15--Continued.

Daily high and low water levels, from recorder graph, 1949

Day	September		October		November		December	
	High	Low	High	Low	High	Low	High	Low
1	51.54	52.68	52.19	53.22	53.12	54.09
2	51.55	52.60	52.26	53.35	53.23	54.15
3	51.55	52.70	52.25	53.40	53.24	54.23
4	51.70	52.74	52.45	53.55	53.25	54.23
5	51.69	52.75	52.64	53.72	53.26	54.38
6	51.53	52.70	52.64	53.61	53.48	54.48
7	51.52	52.58	52.64	53.63	53.39	54.36
8	51.54	52.63	52.63	53.58	53.40	54.30
9	51.58	52.66	52.62	53.55	53.33	54.30
10	52.58	53.55	53.40	54.39
11	52.52	53.52	53.44	54.32
12	52.52	53.58	53.48	54.40
13	52.55	53.48	53.55	54.51
14	52.48	53.45	53.64	54.54
15	52.50	53.50	53.54	54.40
16	52.68	53.63	53.58	54.50
17	52.68	53.68	.....	.....
18	52.75	53.75	.....	.....
19	52.80	53.80	.....	.....
20	52.85	53.85	.....	.....
21	52.88	53.93	.....	.....
22	53.05	54.10	.....	.....
23	52.99	54.00	.....	.....
24	52.96	54.08	.....	.....
25	54.08	.....	.....
26	52.99	53.95	.....	.....
27	53.01	54.04	.....	.....
28	53.00	54.00	.....	.....
29	51.38	52.50	52.29	53.40	52.99	53.99	.....	.....
30	51.36	52.68	52.19	53.20	53.00	54.00	.....	.....
31	52.17	53.13	.....	.....	.....	.....

Daily high and low water levels, from recorder graph, 1950

Day	March		May		June		July	
	High	Low	High	Low	High	Low	High	Low
1	.....	.....	.....	.....	53.34	54.40	54.73	55.56
2	.....	.....	.....	.....	53.27	54.36	54.73	55.62
3	.....	.....	.....	.....	53.25	54.20	54.70	55.62
4	.....	.....	.....	.....	53.20	54.44	54.65	55.62
5	.....	.....	.....	.....	53.52	54.50	54.50	55.50
6	.....	.....	52.70	54.07	53.35	54.29	54.37	55.39
7	.....	.....	52.74	54.00	53.29	54.30	54.29	55.20
8	.....	.....	52.74	54.04	53.33	54.38	54.27	55.27
9	.....	.....	52.75	54.07	53.44	54.42	54.35	55.32
10	.....	.....	52.76	54.12	53.35	54.28	54.32	55.30
11	.....	.....	52.81	54.10	53.31	54.39	54.38	55.39
12	.....	.....	52.79	54.10	53.46	54.52	54.42	55.40
13	.....	.....	52.79	54.10	53.46	54.52	54.44	55.38
14	.....	.....	52.79	54.04	53.45	54.47	54.46	55.58
15	.....	.....	52.67	53.88	53.48	54.51	54.55	55.60
16	.....	.....	52.63	53.90	53.46	54.48	54.69	55.60
17	.....	.....	52.68	53.91	53.51	54.58	54.62	55.68
18	.....	.....	52.70	53.99	53.61	54.59	54.68	55.72
19	.....	.....	52.70	54.00	53.63	54.62	54.74	55.81
20	.....	.....	52.86	53.90	53.70	54.79	54.80	55.92
21	.....	.....	52.82	53.80	53.90	54.92	54.97	55.90
22	.....	.....	52.84	53.90	53.90	54.95	55.00	55.91
23	54.39	55.67	52.91	53.92	53.87	55.08	54.91	55.90
24	54.37	55.66	52.89	54.10	54.08	55.17	54.94	55.88
25	54.35	55.63	53.00	54.20	54.20	55.16	54.95	56.02
26	54.30	55.52	53.15	54.20	54.06	55.23	55.08	56.08
27	54.18	55.32	53.09	54.19	55.23	55.32	55.00	55.93
28	54.06	55.30	53.08	54.20	54.51	55.39	54.93	55.91
29	54.01	55.33	53.18	54.28	54.35	55.40	54.94	55.91
30	54.05	55.34	53.14	54.10	54.40	55.49	54.85	55.78
31	54.00	55.27	53.08	54.27	.....	.....	54.87	55.87

15-Continued.

Daily high and low water levels from recorder graph, 1950

Day	August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	55.00	55.91	55.10	56.04	.....	.....	.....	.....	55.85	56.79
2	54.96	56.00	55.16	56.10	.....	.....	.....	.....	55.91	56.77
3	55.10	56.01	55.19	56.09	.....	.....	.....	.....	55.75	56.61
4	55.09	56.10	55.11	56.03	.....	.....	.....	.....	55.69	56.60
5	55.10	56.12	55.10	55.98	.....	.....	.....	.....	55.75	56.65
6	55.16	56.13	55.08	56.03	.....	.....	.....	.....	55.81	56.69
7	55.19	56.32	55.00	55.86	.....	.....	.....	.....	55.77	56.65
8	55.40	56.44	54.89	55.82	54.51	55.41	.....	.....	55.85	56.68
9	55.46	56.47	54.96	55.86	54.43	55.38	.....	.....	55.81	56.64
10	55.46	56.50	54.88	55.80	54.46	55.41	.....	.....	55.80	56.75
11	55.57	56.58	54.90	55.81	54.57	55.61	.....	.....	55.87	56.70
12	55.74	56.62	54.85	55.84	54.65	55.63	.....	.....	55.81	56.70
13	55.66	56.60	55.00	55.88	.....	.....	.....	.....	55.88	56.76
14	55.52	56.66	54.88	55.81	.....	.....	.....	.....	55.93	56.77
15	56.67	56.74	54.76	55.76	.....	.....	.....	.....	55.92	56.78
16	55.92	56.74	54.79	55.69	.....	.....	.....	.....	55.95	56.88
17	55.79	56.70	54.71	55.63	.....	.....	55.50	56.35	56.01	56.86
18	55.65	56.59	54.81	55.83	.....	.....	55.43	56.33	56.01	56.99
19	55.65	56.69	54.88	55.80	.....	.....	55.44	56.50	56.10	57.12
20	55.58	56.47	54.77	55.75	.....	.....	55.55	56.42	56.21	57.18
21	55.51	56.48	54.74	55.69	.....	.....	55.46	56.37	56.31	57.13
22	55.56	56.54	54.61	55.63	.....	.....	55.49	56.35	56.21	57.11
23	55.74	56.70	54.45	55.32	.....	.....	55.50	56.39	56.28	57.10
24	55.70	56.72	54.37	55.30	.....	.....	55.50	56.47	56.20	57.06
25	55.68	56.60	54.45	55.42	.....	.....	55.76	56.65	56.20	57.07
26	55.67	56.58	54.55	55.43	.....	.....	55.80	56.72	56.17	57.05
27	55.70	56.64	54.52	55.36	.....	.....	55.93	56.73	56.22	57.13
28	55.67	56.62	54.49	55.42	.....	.....	55.91	56.81	56.24	57.06
29	55.66	56.56	.....	.....	.....	.....	55.90	56.80	56.20	57.00
30	55.30	56.57	.....	.....	.....	.....	55.81	56.73	56.25	57.09
31	55.19	56.16	.....	.....	.....	.....	.....	.....	56.30	57.12

23. Florida State Hospital. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 4 N., R. 7 W., in pump house about 2 miles west of Chattahoochee. Drilled unused irrigation well, diameter 12 inches, depth 475 feet. Recording gage installed Sept. 7, 1950. Records available: 1950.

Daily mean water level, from recorder graph

Day	Sept.	Oct.	Nov.	Dec.	Day	Sept.	Oct.	Nov.	Dec.
1	.....	.....	40.36	41.68	17	38.61	39.88	40.92	.....
2	.....	.....	40.40	41.72	18	.....	39.91	40.98	.....
3	.....	.....	40.44	41.75	19	.....	39.94	41.03	.....
4	.....	.....	40.49	.....	20	.....	39.98	41.09	.....
5	.....	.....	40.54	.....	21	.....	40.02	41.14	.....
6	.....	.....	40.58	.....	22	.....	40.07	41.20	.....
7	.....	.....	40.61	.....	23	.....	40.11	41.26	.....
8	.....	39.43	40.64	.....	24	.....	40.14	41.32	.....
9	.....	39.47	40.68	.....	25	.....	40.16	41.38	.....
10	38.63	39.52	40.72	.....	26	.....	40.17	41.42	.....
11	38.63	39.57	40.76	.....	27	.....	40.18	41.47	.....
12	38.62	39.62	40.79	.....	28	.....	40.19	41.52	.....
13	38.61	39.68	40.82	.....	29	.....	40.23	41.58	.....
14	38.59	39.73	40.85	.....	30	.....	40.27	41.63	.....
15	38.58	39.78	40.88	.....	31	.....	40.31	.....	.....
16	38.55	39.83	40.85	.....				

Lake County

18. Maurice Brantley. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 17 S., R. 27 E., in Altoona. Drilled unused test well, diameter 6 inches, depth 190 feet. Measurements prior to May 1950 supplied by U. S. Engineering Dept. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 1936	57.0	Aug. 1936	53.0	Dec. 1936	52.8	Apr. 1937	53.7
May	53.4	Sept.	53.3	Jan. 1937	52.8	May	53.5
June	53.3	Oct.	52.9	Feb.	53.2	June	53.5
July	52.6	Nov.	52.5	Mar.	53.6	July	53.8

18--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 1937	52.8	Feb. 1941	54.8	Mar. 1944	53.7	July 1947	51.0
Sept.	52.3	Mar.	55.0	Apr.	53.9	Aug.	52.0
Oct.	51.9	Apr.	54.6	May	54.2	Sept.	51.3
Nov.	51.8	May	54.3	June	54.6	Oct.	50.3
Dec.	51.6	June	54.5	July	54.7	Nov.	49.6
Jan. 1938	51.6	July	54.5	Aug.	54.4	Dec.	50.3
Feb.	52.1	Aug.	52.7	Sept.	53.9	Jan. 1948	50.5
Mar.	52.0	Sept.	51.9	Oct.	53.8	Feb.	50.7
Apr.	52.7	Oct.	52.0	Nov.	52.1	Mar.	51.6
May	53.5	Nov.	51.5	Dec.	52.1	Apr.	51.4
June	53.8	Dec.	51.5	Jan. 1945	52.2	May	52.1
July	53.4	Jan. 1942	51.4	Feb.	52.6	June	53.2
Aug.	52.9	Feb.	51.8	Mar.	53.1	July	53.3
Sept.	52.8	Mar.	51.9	Apr.	53.8	Aug.	52.0
Oct.	53.0	Apr.	51.4	May	54.4	Sept.	50.5
Nov.	53.0	May	51.5	June	54.9	Oct.	49.9
Dec.	53.8	June	52.0	July	55.2	Nov.	49.6
Jan. 1939	54.1	July	50.8	Aug.	53.3	Dec.	50.1
Feb.	54.3	Aug.	50.1	Sept.	52.2	Jan. 1949	50.5
Mar.	54.4	Sept.	50.2	Oct.	53.7	Feb.	51.1
Apr.	54.6	Oct.	50.8	Nov.	50.4	Mar.	53.5
Sept.	53.2	Nov.	51.3	Dec.	50.7	Apr.	52.5
Oct.	54.5	Dec.	51.9	Jan. 1946	51.2	May	53.0
Nov.	5 ² 2	Jan. 1943	52.4	Feb.	51.5	June	53.8
Dec.	53.5	Feb.	52.7	Mar.	51.8	July	54.6
Jan. 1940	53.9	Mar.	53.4	Apr.	52.0	Aug.	53.6
Feb.	53.7	Apr.	53.7	July	52.2	Sept.	52.4
Apr.	54.6	May	54.1	Aug.	52.0	Oct.	50.8
May	55.3	June	54.7	Sept.	51.1	Nov.	50.6
June	55.6	July	55.0	Oct.	50.6	Dec.	51.0
July	55.6	Aug.	55.0	Nov.	51.0	Jan. 16, 1950	51.6
Aug.	54.8	Sept.	53.1	Jan. 1947	52.0	Feb. 3	52.0
Sept.	54.3	Oct.	52.4	Feb.	52.2	Mar. 2	52.7
Oct.	54.1	Nov.	52.4	Mar.	52.5	Apr. 4	53.0
Nov.	54.5	Dec.	52.7	Apr.	52.5	Oct. 17	53.03
Dec.	54.9	Jan. 1944	53.0	May	51.9	Nov. 28	50.90
Jan. 1941	55.0	Feb.	53.2	June	52.0		

19. J. W. Jones. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 17 S., R. 28 E., in Paisley. Drilled domestic well. Measurements prior to May 1950 supplied by U. S. Engineering Dept. Records available: 1936-50.

Apr. 1936	52.2	July 1938	52.7	Oct. 1940	51.9	Jan. 1943	52.1
May	52.7	Aug.	52.5	Nov.	52.5	Feb.	52.3
June	52.7	Sept.	52.7	Dec.	53.0	Mar.	53.0
July	52.4	Oct.	52.6	Jan. 1941	53.1	Apr.	53.2
Aug.	52.7	Nov.	52.6	Feb.	53.0	May	53.6
Sept.	52.9	Dec.	53.4	Mar.	53.2	June	54.1
Oct.	52.1	Jan. 1939	53.7	Apr.	52.9	July	54.3
Nov.	52.1	Feb.	54.1	May	52.8	Aug.	54.0
Dec.	52.4	Mar.	54.1	June	53.1	Sept.	52.0
Jan. 1937	52.3	Apr.	54.3	July	52.4	Oct.	51.0
Feb.	52.5	May	54.6	Aug.	50.8	Nov.	51.1
Mar.	52.9	June	54.9	Sept.	49.7	Dec.	51.4
Apr.	53.1	July	53.8	Oct.	49.5	Jan. 1944	51.7
May	52.9	Aug.	53.3	Nov.	49.5	Feb.	52.0
June	52.9	Sept.	52.6	Dec.	49.6	Mar.	52.5
July	53.2	Oct.	52.2	Jan. 1942	49.8	Apr.	53.0
Aug.	52.2	Nov.	52.2	Feb.	50.2	May	53.0
Sept.	51.9	Dec.	52.5	Mar.	50.1	June	53.4
Oct.	51.4	Jan. 1940	52.8	Apr.	49.9	July	53.6
Nov.	51.2	Feb.	51.6	May	50.2	Aug.	53.3
Dec.	51.2	Mar.	53.2	June	50.6	Sept.	52.8
Jan. 1938	51.3	Apr.	53.6	July	49.8	Oct.	52.7
Feb.	51.7	May	53.9	Aug.	50.0	Nov.	51.2
Mar.	51.9	June	54.3	Sept.	50.1	Dec.	51.1
Apr.	52.5	July	54.1	Oct.	50.6	Jan. 1945	51.4
May	53.4	Aug.	52.5	Nov.	51.1	Feb.	51.8
June	53.2	Sept.	52.0	Dec.	51.6	Mar.	52.4

19--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 1945	53.0	Oct. 1946	49.7	Feb. 1948	49.6	May 1949	52.9
May	53.6	Nov.	49.8	Mar.	49.0	June	53.5
June	54.2	Jan. 1947	50.6	Apr.	50.6	July	53.5
July	53.5	Feb.	51.1	May	51.0	Aug.	53.8
Aug.	52.1	Mar.	51.4	June	52.0	Sept.	52.9
Sept.	50.7	Apr.	51.5	July	52.3	Oct.	50.5
Oct.	49.3	May	51.4	Aug.	51.2	Nov.	50.5
Nov.	49.3	June	51.7	Sept.	50.6	Dec.	51.0
Dec.	49.7	July	51.3	Oct.	50.1	Jan. 16, 1950	50.9
Jan. 1946	50.2	Aug.	50.9	Nov.	50.0	Feb. 3	52.0
Feb.	50.7	Sept.	50.3	Dec.	50.3	Mar. 2	52.7
Mar.	51.0	Oct.	50.0	Jan. 1949	51.4	Apr. 4	52.8
Apr.	51.4	Nov.	49.5	Feb.	51.0	Aug. 8	54.44
July	51.4	Dec.	48.9	Mar.	51.9	Oct. 17	51.49
Aug.	50.6	Jan. 1948	52.9	Apr.	52.5	Nov. 28	50.40
Sept.	49.7						

20. Margarite E. Wilson. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 17 S., R. 29 E., 0.5 mile southwest of Crows Bluff. Drilled domestic well, diameter 6 inches, depth 252 feet. Measurements prior to May 1950 supplied by U. S. Engineering Dept. Records available: 1936-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1936	10.0	Oct. 1939	9.7	Apr. 1943	8.6	Feb. 1947	9.4
Apr.	9.7	Nov.	9.5	May	8.4	Mar.	9.9
May	8.9	Dec.	9.0	June	8.3	Apr.	9.9
June	9.8	Jan. 1940	9.1	July	8.7	May	9.6
July	9.8	Feb.	8.8	Aug.	9.4	June	9.8
Aug.	9.7	Mar.	8.8	Sept.	10.1	July	10.0
Sept.	9.6	Apr.	8.9	Oct.	10.3	Aug.	10.2
Oct.	10.0	May	8.4	Nov.	9.9	Sept.	10.3
Nov.	10.0	June	8.4	Dec.	9.6	Oct.	10.9
Dec.	9.8	July	8.8	Jan. 1944	9.6	Nov.	11.2
Jan. 1937	9.4	Aug.	9.3	Feb.	9.1	Dec.	10.8
Feb.	9.3	Sept.	9.4	Mar.	9.0	Jan. 1948	10.6
Mar.	9.0	Oct.	9.2	Apr.	9.1	Feb.	11.1
Apr.	9.4	Nov.	8.6	May	8.9	Mar.	10.6
May	9.5	Dec.	8.3	June	8.7	Apr.	10.2
June	9.4	Jan. 1941	8.9	July	9.1	May	9.8
July	8.9	Feb.	8.9	Aug.	9.7	June	9.3
Aug.	9.5	Mar.	9.0	Sept.	10.1	July	9.0
Sept.	9.7	Apr.	9.2	Oct.	10.4	Aug.	9.7
Oct.	10.2	May	8.9	Nov.	10.4	Sept.	10.3
Nov.	10.2	June	8.7	Dec.	9.9	Oct.	11.0
Dec.	10.4	July	9.7	Jan. 1945	9.9	Nov.	11.2
Jan. 1938	10.3	Aug.	10.2	Feb.	9.6	Dec.	10.4
Feb.	9.9	Sept.	10.5	Mar.	9.1	Jan. 1949	10.0
Mar.	9.5	Oct.	10.6	Apr.	8.7	Feb.	9.5
Apr.	8.9	Nov.	10.7	May	8.3	Mar.	9.2
May	8.6	Dec.	10.5	June	8.0	Apr.	9.2
June	8.7	Jan. 1942	10.6	July	8.1	May	8.8
July	9.3	Feb.	10.2	Aug.	9.8	June	8.4
Aug.	9.8	Mar.	10.4	Sept.	10.8	July	8.6
Sept.	9.3	Apr.	10.4	Oct.	11.3	Aug.	8.6
Oct.	9.6	May	9.9	Nov.	10.7	Sept.	9.6
Nov.	9.4	June	10.0	Dec.	10.5	Oct.	10.6
Dec.	9.2	July	10.2	Jan. 1946	10.5	Nov.	10.9
Jan. 1939	8.7	Aug.	10.0	Feb.	9.8	Dec.	10.0
Feb.	8.5	Sept.	10.2	Mar.	10.1	Jan. 16, 1950	9.7
Mar.	8.3	Oct.	10.0	June	9.5	Feb. 3	9.5
Apr.	7.9	Nov.	9.6	July	9.5	Mar. 2	9.4
May	8.1	Dec.	9.3	Aug.	10.5	Apr. 4	9.0
June	8.3	Jan. 1943	9.2	Sept.	11.0	Aug. 8	8.0
July	8.9	Feb.	8.8	Oct.	10.7	Oct. 17	9.4
Sept.	9.8	Mar.	9.2	Jan. 1947	9.5	Nov. 28	10.0

Leon County

5. City of Tallahassee. At Gadsden and Gaines Sts., in pumphouse, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 1 S., R. 1 W. Measurement supplied by city of Tallahassee. Records available: 1931-50.

Daily water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Oct.	Nov.	Dec.
1	99.9	101.4	102.3	102.5	101.3	101.1	101.6	101.8	.....	102.7	.....
2	100.0	101.4	102.4	102.4	101.2	101.2	101.7	101.8	.....	102.7	103.6
3	100.0	101.3	102.4	102.4	101.2	101.2	101.7	101.8	.....	102.8	.....
4	99.9	101.3	102.4	102.3	101.2	101.2	101.7	101.9	99.9	102.8	103.6
5	100.1	101.5	102.3	102.2	101.1	101.3	101.7	101.9	99.9	102.9	103.7
6	100.1	101.6	102.3	102.2	101.1	101.3	101.7	101.9	.....	102.9	103.7
7	100.2	101.6	102.4	102.2	101.1	101.3	101.6	101.9	99.9	.....	.....
8	100.2	101.6	102.5	102.3	101.1	101.3	101.6	102.0	.....	.....	103.7
9	100.3	101.6	102.6	102.2	101.0	101.4	101.6	102.0	.....	103.0	103.7
10	100.4	101.6	102.6	102.1	101.0	101.3	101.6	102.0	.....	103.0	103.7
11	100.4	101.6	102.6	102.1	100.9	101.2	101.6	102.0	.....	103.1	.....
12	100.5	101.7	102.6	102.1	100.9	101.2	101.6	102.1	100.0	103.1	103.8
13	100.5	101.7	102.6	102.1	100.8	101.3	101.7	102.1	.....	103.1	104.0
14	100.6	101.7	102.6	102.1	100.7	101.3	101.7	102.1	102.1	103.1	.....
15	100.6	101.8	102.6	102.1	.....	101.3	101.8	102.1	.....	103.1	104.0
16	100.6	101.8	102.5	102.2	100.8	101.2	101.8	102.1	.....	103.2	104.1
17	100.7	101.9	102.5	102.2	100.8	101.3	101.8	102.1	.....	103.2	104.1
18	100.7	102.0	102.5	102.1	100.9	101.3	101.7	102.2	.....	103.3	.....
19	100.7	102.0	102.6	102.1	100.8	101.3	101.8	102.2	.....	103.3	104.1
20	100.8	102.0	102.6	102.0	100.8	101.4	101.8	102.2	.....	103.4	104.1
21	100.8	102.1	102.5	102.0	100.8	101.4	101.8	102.3	.....	103.4	104.2
22	100.8	102.1	102.4	102.1	100.9	101.4	101.9	102.3	.....	103.5	104.2
23	100.9	102.1	102.4	102.1	100.9	101.4	101.9	102.4	.....	.....	104.2
24	101.0	102.1	102.3	102.1	100.9	101.5	101.9	102.4	102.4	103.6	.....
25	101.1	102.1	102.4	102.0	101.0	101.5	101.9	.....	102.5	.....	104.2
26	101.1	102.2	102.4	101.7	101.0	101.5	101.8	.....	102.5	103.6	104.2
27	101.1	102.3	102.3	101.6	.....	101.5	101.8	.....	102.5	103.6	104.2
28	101.2	102.3	102.3	101.6	.....	101.6	101.8	.....	102.6	103.6	.....
29	101.3	.....	102.4	101.5	.....	101.6	101.7	.....	102.6	.....	104.3
30	101.3	.....	102.5	101.4	101.0	101.6	101.7	.....	102.6	103.6	.....
31	101.4	.....	102.5	.....	101.1	.....	101.7	.....	102.6	.....	104.3

7. City of Tallahassee. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 1 N., R. 1 W., in Lafayette Park, Gadsden and Williams Sts. Records available: 1945-50.

Daily high and low water levels, from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	159.89	160.08	161.34	162.76	162.22	163.47	.....	.....	161.32	162.63	161.26	161.52
2	.....	.....	161.37	161.63	162.35	162.63	.....	.....	161.32	161.56	161.30	162.69
3	159.87	160.14	161.40	162.72	162.39	163.66	.....	.....	161.32	162.57	161.30	161.54
4	159.95	160.22	161.47	161.74	162.37	162.65	162.33	162.58	161.30	161.52	161.23	162.47
5	160.05	160.31	161.53	162.75	162.37	163.58	162.24	163.55	.....	.....	161.26	161.48
6	160.09	161.36	161.55	161.78	162.37	162.55	162.28	162.53	.....	.....	161.31	161.39
7	160.11	160.44	161.55	163.04	162.36	163.66	162.28	163.55	.....	.....	161.37	161.62
8	160.25	160.46	161.60	161.88	162.49	162.70	162.24	162.47	.....	.....	161.38	162.62
9	160.27	161.53	161.62	162.88	162.59	163.86	162.22	163.48	161.07	162.33	161.37	161.55
10	160.29	160.54	161.65	161.90	162.58	162.94	162.19	162.41	161.05	161.30	161.34	162.58
11	160.34	160.66	161.70	162.97	162.57	162.61	162.17	163.59	160.97	162.35	.....	.....
12	160.40	160.65	161.73	161.97	162.57	162.63	162.12	162.37	160.96	161.18	.....	.....
13	160.42	161.87	161.74	161.95	162.54	163.80	162.12	163.53	160.87	162.16	161.34	161.58
14	.....	.....	161.77	162.05	162.67	162.93	162.14	162.39	160.83	161.07	161.38	162.68
15	.....	.....	161.95	163.13	162.55	164.01	162.14	163.32	160.82	162.12	161.40	161.62
16	.....	.....	161.97	162.12	162.47	162.76	162.12	162.40	160.85	161.12	161.39	162.65
17	160.63	160.89	161.93	163.20	162.56	163.80	162.13	163.52	160.88	162.15	161.42	161.63
18	160.63	161.91	161.99	162.25	162.54	162.81	162.06	162.37	160.90	161.15	161.40	162.67
19	160.68	160.98	161.97	163.20	162.54	163.76	162.00	163.25	160.89	162.23	161.38	161.60
20	160.80	162.11	161.99	163.35	.....	.....	162.00	162.23	160.90	161.14	161.40	162.80
21	160.85	161.10	162.15	163.39	162.36	163.77	162.06	163.34	160.94	162.18	161.48	161.69
22	.....	.....	162.18	162.41	162.44	162.70	162.08	162.32	160.96	161.24	161.51	162.83
23	.....	.....	162.17	163.41	162.49	162.74	162.02	163.29	161.04	162.30	161.51	162.91
24	160.92	162.37	162.18	162.41	162.45	163.73	161.99	162.24	161.04	161.27	161.53	162.92
25	161.04	161.30	.....	.....	162.43	162.69	161.95	163.23	161.06	162.52	161.57	161.78
26	161.11	162.42	.....	.....	162.35	163.65	161.63	161.95	161.07	162.57	161.57	163.03
27	161.12	161.43	.....	.....	162.33	162.55	161.67	162.94	161.09	162.53	161.62	163.06

7-Continued.

Daily high and low water levels, from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
28	161.15	162.47	162.30	162.55	162.29	163.65	161.65	161.92	161.12	162.30	161.65	163.10
29	161.18	161.43			162.40	162.87	160.87	162.87	.....	.....	161.70	163.07
30	161.23	162.61			162.52	163.78	161.52	161.80	.....	.....	161.75	163.17
31	161.29	161.55			162.49	162.67			.....	.....

Daily high and low water levels, from recorder graph

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	161.84	163.20	161.92	163.28	161.86	163.70	161.82	163.13	.....	.....	163.84	165.18
2	161.84	163.07	161.91	163.26	161.84	163.50	161.86	163.27	.....	.....	163.86	165.16
3	161.83	163.27	161.89	163.27	.....	.....	161.89	163.23	.....	.....	163.69	164.93
4	161.85	163.20	161.90	163.27	.....	.....	161.89	163.25	.....	.....	163.77	164.07
5	161.87	163.25	161.93	163.30	161.97	163.11	161.93	163.67	.....	.....	163.91	165.30
6	161.87	163.25	.....	.....	161.87	163.10	162.01	163.38	.....	.....	163.91	165.18
7	161.80	163.00	.....	.....	161.83	162.98	162.08	163.42	163.12	163.35	163.91	165.34
8	161.70	163.05	162.01	163.40	161.83	163.15	162.03	163.35	163.09	163.30	164.00	165.40
9	161.74	161.95	162.03	163.41	.....	.....	162.04	163.42	163.13	163.36	163.98	165.27
10	161.70	163.06	162.04	163.45	.....	.....	162.17	163.48	163.18	163.27	163.93	165.06
11	161.70	163.07	162.07	163.46	.....	.....	162.22	163.51	163.25	163.30	164.04	165.38
12	161.74	163.12	162.10	163.47	161.56	162.96	162.18	163.53	163.27	163.44	164.00	165.17
13	161.75	163.12	162.11	163.35	161.61	162.79	162.26	163.61	163.32	163.53	164.14	165.48
14	161.78	163.17	162.13	163.55	161.58	162.88	162.32	163.68	163.37	164.73	164.15	165.46
15	161.82	163.18	162.22	163.97	161.52	162.83	162.35	163.68	163.40	164.76	164.17	165.48
16	161.86	163.10	162.26	163.64	161.53	162.87	162.37	163.73	163.41	164.74	164.20	165.55
17	161.83	163.28	162.27	163.65	161.57	162.88	162.38	163.57	163.38	164.77	164.19	165.49
18	161.90	163.26	.....	.....	.....	.....	162.30	162.53	163.44	163.67	164.24	165.65
19	161.90	163.29	162.33	163.58	.....	.....	162.22	162.43	163.47	163.67	164.27	165.40
20	161.93	163.31	162.35	162.55	.....	.....	162.42	163.79	163.45	163.54	164.29	165.63
21	161.95	163.35	162.39	163.80	.....	.....	162.42	163.81	163.49	163.70	164.33	165.50
22	161.97	163.34	162.43	163.82	.....	.....	162.52	163.89	163.51	164.86	164.33	165.50
23	162.00	162.22	162.49	163.89	.....	.....	.....	.....	163.55	164.73	164.33	165.51
24	.....	.....	162.54	163.95	.....	.....	162.58	163.95	163.53	164.68	164.31	164.57
25	162.00	163.38	162.54	163.95	.....	.....	162.64	164.00	163.61	164.89	164.37	165.70
26	161.97	163.35	162.58	163.98	161.70	163.04	162.67	164.06	163.58	165.05	164.37	165.56
27	161.95	163.34	162.62	163.81	161.72	163.06	162.73	163.90	.....	.....	164.49	165.56
28	161.93	163.33	162.11	163.97	161.73	163.07	162.77	162.82	.....	.....	164.42	165.60
29	161.92	163.33	162.09	163.94	161.75	163.10	162.79	162.98	.....	.....	164.40	165.57
30	161.90	162.10	162.07	163.90	161.79	163.13	162.89	164.17	.....	.....	164.45	165.60
31	161.91	163.31	162.06	163.77	.....	.....	.....	.....	.....	.....	164.51	165.70

28. John S. Phipps. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 2 N., R. 1 W., about 150 yards from west side of Orchard Pond. Drilled unused domestic well, diameter 4 inches, depth 200 feet. Recording gage installed March 28, 1950. Records available: 1950. Mar. 30, 137.79; Mar. 31, 137.79.

Daily mean water level, from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	137.69	.....	137.68	138.03	138.37	138.52	138.98	139.68	140.47
2	137.63	.....	137.72	138.07	138.36	138.37	139.02	139.67	140.50
3	137.61	.....	137.68	138.06	138.35	138.32	139.00	139.58	140.37
4	137.58	.....	137.58	138.04	138.36	138.18	138.93	139.65	140.33
5	137.48	137.47	137.53	138.04	138.37	138.13	138.96	139.88	140.55
6	137.46	137.50	137.66	138.00	138.38	138.20	139.07	139.97	140.49
7	137.48	137.52	137.73	137.92	138.44	138.17	139.10	139.94	140.62
8	137.47	137.52	137.77	137.94	138.52	138.30	139.04	139.86	140.74
9	137.49	137.57	137.78	137.98	138.51	138.31	139.05	139.88	140.64
10	137.53	137.58	137.75	138.02	138.52	138.30	139.12	139.95	140.54
11	137.50	137.54	137.68	138.08	138.54	138.37	139.13	140.03	140.55
12	137.48	137.46	137.68	138.09	138.55	138.58	139.14	140.08	140.54
13	137.49	137.41	137.72	138.08	138.55	138.83	139.26	140.10	140.72
14	137.55	137.42	137.75	138.10	138.55	138.82	139.30	140.14	140.74
15	137.59	137.35	137.74	138.14	138.58	138.77	139.29	140.16	140.73
16	137.64	137.38	137.72	138.23	138.59	138.82	139.21	140.12	140.79
17	137.60	137.44	.....	138.23	138.63	138.89	139.29	140.07	140.78
18	137.55	137.46	.....	138.19	138.66	138.95	139.14	140.12	140.83
19	137.54	137.42	.....	138.19	138.55	138.93	139.06	140.13	140.99
20	137.53	137.41	.....	138.19	138.56	138.88	139.17	140.11	141.01

28--Continued.

Daily mean water level, from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	137.61	137.47	.....	138.18	138.60	138.87	139.20	140.25	141.08
22	137.67	137.51	.....	138.19	138.64	138.78	139.34	140.20	141.04
23	137.64	137.55	137.82	138.23	138.72	138.72	139.40	140.23	141.03
24	137.55	137.55	137.84	138.28	138.76	138.81	139.46	140.23	140.99
25	137.50	137.52	137.84	138.28	138.72	138.93	139.50	140.30	141.01
26	137.51	137.58	137.80	138.26	138.72	138.99	139.54	140.27	140.98
27	.....	137.57	137.78	138.24	138.77	138.98	139.60	140.26	141.00
28	.....	137.57	137.85	138.23	138.76	138.96	139.65	140.36	141.03
29	.....	137.60	137.85	138.27	138.74	138.97	139.66	140.46	140.96
30	.....	137.56	137.92	138.30	138.69	138.97	139.67	140.44	141.00
31	.....	137.55	.....	138.37	138.64	.....	139.67	.....	141.16

36. Dawkins Pond Church. Near north line of SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 3 N., R. 2 E., in front of church, 70 feet west of U. S. Highway 319. Records available: 1935-37, 1942-44, 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	5.24	Apr. 27	4.91	July 31	8.61	Oct. 31	15.58
Feb. 28	5.46	June 1	5.96	Aug. 31	11.08	Nov. 30	17.80
Mar. 31	5.00	30	6.93	Sept. 30	12.63	Dec. 29	19.19

66. Bureau of Prisons, U. S. Dept. of Justice. At Federal Correctional Institution, in sec. 34, T. 1 N., R. 1 E. Records available: 1945-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	139.3	141.6	142.5	142.5	141.8	141.7	142.4	142.3	142.9	142.7	143.5	144.4
2	139.6	141.6	142.7	142.6	141.6	141.8	142.4	142.3	142.9	142.7	143.5	144.3
3	139.9	141.6	142.7	142.5	141.6	141.9	142.2	142.2	142.9	142.7	143.5	144.4
4	139.9	141.7	142.7	142.7	141.8	141.9	142.2	142.4	142.9	142.7	143.7	144.5
5	139.9	141.7	142.6	142.8	141.5	141.9	142.3	142.4	142.8	142.8	144.0	144.5
6	140.0	141.8	142.6	142.8	141.5	141.9	142.3	142.4	142.7	142.8	144.0	144.5
7	140.1	141.9	142.6	142.5	141.5	141.8	142.1	142.5	142.6	142.8	143.9	144.5
8	139.8	141.8	142.6	142.4	141.1	141.8	142.4	142.4	142.7	142.7	143.7	144.8
9	140.0	141.8	142.6	142.5	141.4	141.8	142.3	142.5	142.9	142.9	143.7	144.4
10	139.8	141.7	142.8	142.4	141.5	141.8	142.4	142.6	143.0	143.0	143.9	144.4
11	140.0	141.7	142.6	142.4	141.5	141.8	142.5	142.6	142.6	143.0	143.9	144.7
12	139.8	141.9	142.8	142.4	141.5	141.9	142.4	142.5	142.6	143.0	143.9	144.5
13	139.8	141.9	142.6	142.3	141.2	141.8	142.4	142.6	142.6	143.1	144.1	144.6
14	139.9	141.9	142.6	142.6	141.2	141.7	142.4	142.5	142.5	143.1	144.1	144.7
15	140.0	142.1	142.7	142.6	141.3	141.1	142.4	142.6	142.5	143.1	144.0	144.8
16	139.9	142.1	142.7	142.6	141.3	141.8	142.4	142.7	142.5	143.2	144.2	144.8
17	140.0	142.1	142.8	142.5	141.4	141.8	142.4	142.7	142.5	143.2	144.2	144.8
18	140.1	142.2	142.8	142.5	141.3	141.8	142.4	142.7	142.5	143.2	144.2	145.0
19	140.4	142.2	142.6	142.3	141.3	141.8	142.4	142.6	142.6	143.1	144.2	144.9
20	140.5	142.3	142.4	142.3	141.4	141.8	143.4	142.7	142.6	143.1	144.2	144.9
21	140.8	142.3	142.6	142.3	141.4	141.8	142.4	142.8	142.5	143.1	144.2	145.0
22	140.9	142.2	142.5	142.5	141.4	141.8	142.4	142.9	142.5	143.2	144.2	144.8
23	140.9	142.3	142.6	142.4	141.5	141.9	142.5	142.9	142.4	143.2	144.2	144.9
24	141.0	142.5	142.6	142.4	141.3	141.7	142.5	142.9	142.5	143.2	144.1	144.8
25	141.1	142.4	142.5	142.4	141.4	141.8	142.5	142.9	142.7	143.3	144.1	144.9
26	141.2	142.4	142.5	142.4	141.5	141.9	142.4	143.0	142.7	143.4	144.2	144.7
27	141.3	142.5	142.2	142.3	141.5	141.9	142.4	143.1	142.7	143.5	144.3	145.0
28	141.4	142.5	142.5	142.2	141.7	141.8	142.5	143.1	142.7	143.5	144.3	145.0
29	141.4	.....	142.2	142.0	141.7	142.1	142.5	143.1	142.7	143.5	144.4	144.3
30	141.5	.....	142.2	141.9	141.5	142.1	142.4	143.0	142.7	143.5	144.5	145.0
31	141.6	.....	142.4	.....	141.6	.....	142.3	143.1	.....	143.5	.....	144.9

115. W. F. Christian. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 1 N., R. 1 W., about 450 feet west of U. S. Highway 27. Drilled domestic well, diameter 4 inches, depth 194 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	82.4	Apr. 13	81.9	Aug. 10	83.6	Nov. 9	84.4
Feb. 24	84.0	27	83.1	Sept. 14	83.3	Dec. 8	86.0
Mar. 24	85.0	May 25	83.3	30	83.4	.....	.....

Manatee County

92. Ray E. Anderson. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 9, T. 35 S., R. 20 E., in Waterbury, on west side of State Highway 675. Records available: 1941-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.33	40.60	41.42	41.04	41.35	41.97	41.02	39.94	39.23	39.49	39.11	40.47
2	39.28	40.72	41.48	40.97	41.41	42.00	41.00	39.90	39.18	39.53	39.10	40.52
3	39.22	40.67	41.53	40.92	41.51	41.97	40.96	39.87	39.12	39.52	39.06	40.45
4	39.25	40.72	41.58	40.89	41.60	.....	40.93	39.82	38.94	39.43	39.05	40.42
5	.....	40.76	41.56	40.83	41.67	.....	40.91	39.79	38.87	39.41	39.28	40.50
6	39.33	40.78	41.51	40.88	41.75	.....	40.90	39.73	38.77	39.47	39.44	40.52
7	39.34	40.76	41.54	.....	41.82	.....	40.77	39.75	38.90	39.53	39.43	40.52
8	39.43	40.83	41.64	40.92	41.89	.....	40.70	39.77	38.98	39.53	39.39	40.57
9	39.47	40.88	41.79	40.90	41.97	.....	40.64	39.75	38.97	39.48	39.40	40.47
10	39.51	40.92	41.82	40.86	42.07	.....	40.62	39.72	38.93	39.47	39.46	40.33
11	39.56	40.97	41.78	40.80	42.10	.....	40.60	39.69	38.94	39.44	39.52	40.29
12	39.62	40.98	41.70	40.72	42.10	.....	40.58	39.67	38.95	39.42	39.59	40.24
13	39.67	40.97	41.61	40.72	42.05	.....	40.53	39.62	38.97	39.41	39.66	40.27
14	39.73	41.02	41.59	40.67	42.00	.....	40.48	39.57	38.94	39.42	39.74	40.27
15	39.76	41.06	41.56	40.67	42.00	.....	40.47	39.54	38.90	39.37	39.82	40.22
16	39.80	41.08	41.42	40.72	42.07	.....	40.51	39.57	38.92	39.30	39.83	40.17
17	39.83	41.14	41.46	40.74	42.12	.....	40.46	39.44	38.97	39.22	39.79	40.10
18	39.83	41.22	41.42	40.74	42.15	.....	40.38	39.37	39.03	39.00	39.82	40.13
19	39.80	41.19	41.39	40.79	42.22	.....	40.33	39.35	39.04	39.07	39.91	40.14
20	40.00	41.17	41.35	40.82	42.20	.....	40.28	39.34	39.04	39.02	39.93	40.12
21	40.07	41.15	41.31	40.93	42.21	.....	40.22	39.33	39.06	39.00	39.99	40.09
22	40.06	41.06	41.24	41.05	42.22	.....	40.17	39.33	39.03	39.04	40.00	40.00
23	40.05	41.09	41.27	41.04	42.20	.....	40.18	39.38	39.02	39.06	40.03	.....
24	40.11	41.24	41.26	40.97	42.14	.....	40.16	39.39	39.07	39.05	40.04	.....
25	40.25	41.33	41.21	40.95	42.10	.....	40.15	39.37	39.18	39.02	40.11	.....
26	40.35	41.33	41.14	41.03	42.12	.....	40.12	39.34	39.32	39.04	40.16	.....
27	40.39	41.40	41.02	41.13	42.09	.....	40.04	39.34	39.37	39.06	40.13	39.74
28	40.40	41.47	40.98	41.23	42.06	.....	39.99	39.32	39.40	39.07	40.20	39.72
29	40.44	.....	41.05	41.29	42.03	.....	39.94	39.26	39.47	39.09	40.32	39.68
30	40.50	.....	41.15	41.29	41.99	40.99	39.93	39.18	39.46	39.09	40.39	39.66
31	40.55	.....	41.15	.....	41.97	.....	39.96	39.17	.....	39.10	.....	39.72

Marion County

5. Florida State Road Department. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 15, T. 15 S., R. 23 E., about 8 miles east of Ocala, on east side of Oklawaha River and north side of road that crosses river at Sharpes Ferry. Records available: 1933-50.

Daily mean water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.71	10.90	10.24	9.57	8.98	.....	7.79	8.02	8.27	12.75	13.18	12.55
2	11.72	10.88	10.16	9.59	8.97	8.29	7.77	8.07	8.26	12.72	13.22	12.53
3	11.77	10.85	10.10	9.58	8.92	8.30	7.79	8.12	8.27	12.79	13.30	12.68
4	11.72	10.80	.....	9.58	8.89	8.36	7.84	8.10	8.40	12.83	13.15	12.56
5	11.66	10.77	10.14	9.57	8.87	8.37	7.87	8.11	8.62	.....	.....	.....
6	11.62	10.77	10.14	9.47	8.82	8.27	7.89	8.10	8.87	.....	.....	.....
7	11.59	10.81	10.22	9.43	8.80	8.21	7.94	8.07	8.95	.....	.....	.....
8	11.49	10.75	.....	9.39	8.78	8.20	7.93	8.05	9.33	12.72	.....	.....
9	11.51	10.73	.....	9.38	8.73	8.18	7.93	8.07	9.88	12.76	13.15	.....
10	11.51	10.72	9.93	9.38	8.72	8.21	7.93	8.09	10.39	12.73	13.10	.....
11	11.49	10.68	.....	9.41	8.73	8.26	7.85	8.09	10.79	12.70	13.06	.....
12	11.46	10.65	.....	9.43	8.77	8.24	7.88	8.09	11.15	12.69	13.00	.....
13	11.44	10.64	.....	9.41	8.79	8.17	7.92	8.12	11.40	12.67	12.97	12.40
14	11.42	10.60	9.95	9.34	8.78	8.14	7.92	8.13	11.67	12.60	12.93	12.35
15	11.41	10.53	9.97	9.30	8.75	8.13	7.90	8.14	11.89	12.58	12.86	12.23
16	11.37	10.50	10.04	9.23	8.69	8.14	7.87	8.16	12.06	12.60	12.97	.....
17	11.36	10.44	9.92	9.26	8.62	8.12	7.93	8.18	12.14	12.65	13.02	.....
18	11.37	10.37	9.89	9.28	8.59	8.09	7.98	8.23	12.22	12.88	12.95	.....
19	11.31	10.42	9.83	9.27	8.60	8.07	7.99	8.23	12.33	12.93	12.90	.....
20	11.22	10.40	9.87	9.27	8.59	8.01	8.00	8.20	12.42	12.86	12.92	12.05
21	11.18	10.40	9.83	9.16	8.52	7.97	8.00	8.18	12.51	12.91	12.83	12.00
22	11.21	10.48	9.85	9.09	8.51	7.96	8.02	8.18	12.63	12.88	.....	12.00
23	11.22	10.43	9.75	9.12	8.52	7.98	7.98	8.13	12.72	12.91	12.80	12.02
24	11.17	10.29	9.72	.....	8.52	7.98	7.96	8.13	12.70	12.96	12.82	12.05
25	11.07	10.25	9.71	.....	8.49	7.97	8.00	8.17	12.62	13.02	12.75	12.00
26	11.03	10.28	9.71	.....	8.47	7.99	8.03	8.19	12.63	13.03	.....	12.02
27	11.06	10.18	9.77	.....	.....	7.98	8.06	8.19	12.64	13.05	.....	12.01
28	11.07	.....	9.75	9.02	.....	7.90	8.09	8.23	12.71	13.07	.....	.....
29	11.04	.....	9.65	8.99	.....	7.89	8.09	8.26	12.72	13.10	12.60	.....
30	11.01	.....	9.52	8.98	.....	7.84	8.06	8.28	12.75	13.14	12.57	.....
31	10.95	.....	9.49	.....	.....	.....	8.01	8.27	.....	13.17	.....	.....

47. Betram Ibbetson. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 17 S., R. 24 E., 0.5 mile west of Oklawaha in a pump house, 50 feet south of Florida Highway 500. Drilled public-supply well, diameter 6 inches, depth 185 feet. Measurements prior to May 1950 supplied by U. S. Engineering Dept. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 1936	16.0	Oct. 1939	17.3	Apr. 1943	20.1	Jan. 1947	17.8
May	16.5	Nov.	17.8	May	20.6	Feb.	18.4
June	16.7	Dec.	18.3	June	21.1	Mar.	18.2
July	16.6	Jan. 1940	19.0	July	21.2	Apr.	18.4
Aug.	17.2	Feb.	19.5	Aug.	20.5	May	18.1
Sept.	17.7	Mar.	19.6	Sept.	16.8	June	18.6
Oct.	18.0	Apr.	20.1	Oct.	16.7	July	18.5
Nov.	18.1	May	20.6	Nov.	17.5	Aug.	18.7
Dec.	18.6	June	21.1	Dec.	18.6	Sept.	16.0
Jan. 1937	18.8	July	21.0	Jan. 1944	19.3	Oct.	16.0
Feb.	19.5	Aug.	20.1	Feb.	20.0	Nov.	15.0
Mar.	19.8	Sept.	19.6	Mar.	20.7	Dec.	15.1
Apr.	19.7	Oct.	19.7	Apr.	20.9	Jan. 1948	16.2
May	18.7	Nov.	20.4	May	20.7	Feb.	16.6
June	18.8	Dec.	20.9	June	20.9	Mar.	17.0
July	19.3	Jan. 1941	21.3	July	21.1	Apr.	16.2
Aug.	18.8	Feb.	20.8	Aug.	20.5	May	18.0
Sept.	16.1	Mar.	20.8	Sept.	19.4	June	17.5
Oct.	16.2	Apr.	19.7	Oct.	19.2	July	16.7
Nov.	16.6	May	19.1	Nov.	17.8	Aug.	16.3
Dec.	16.1	June	19.6	Dec.	17.8	Sept.	14.3
Jan. 1938	16.4	July	19.6	Jan. 1945	18.4	Oct.	14.0
Feb.	17.3	Aug.	18.6	Feb.	19.1	Nov.	14.2
Mar.	17.7	Sept.	18.5	Mar.	19.7	Dec.	15.0
Apr.	18.7	Oct.	18.8	Apr.	20.4	Jan. 1949	15.7
May	19.7	Nov.	18.4	May	21.2	Feb.	17.0
June	20.0	Dec.	17.6	June	21.8	Mar.	17.5
July	19.5	Jan. 1942	17.4	July	21.7	Apr.	18.0
Aug.	18.2	Feb.	16.8	Aug.	18.3	May	18.8
Sept.	17.5	Mar.	16.8	Sept.	16.2	June	19.0
Oct.	17.7	Apr.	16.1	Oct.	14.7	July	18.9
Nov.	17.5	May	16.0	Nov.	15.5	Aug.	18.0
Dec.	18.1	June	16.6	Dec.	16.5	Sept.	12.5
Jan. 1939	18.5	July	15.7	Jan. 1946	17.4	Oct.	13.0
Feb.	19.1	Aug.	15.4	Feb.	17.8	Nov.	14.5
Mar.	19.5	Sept.	15.8	Mar.	17.7	Dec.	15.7
Apr.	20.4	Oct.	16.1	Apr.	16.9	Jan. 16, 1950	16.5
May	21.1	Nov.	16.8	July	18.0	Feb. 3	17.5
June	21.1	Dec.	17.6	Aug.	17.9	Mar. 2	18.0
July	20.3	Jan. 1943	18.5	Sept.	17.3	Apr. 4	18.5
Aug.	19.0	Feb.	19.0	Oct.	16.8	May 24	20.02
Sept.	17.3	Mar.	19.8	Nov.	16.5	Oct. 17	15.72

48. E. P. Nelson. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 17 S., R. 25 E., 5.5 miles east of Weirsdale, south of State Highway 42, at fishing camp on Oklawaha River. Drilled domestic well, diameter 6 inches, depth 155 feet. Measurements prior to May 1950 furnished by U. S. Engineering Dept. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1936	1.4	Sept. 1937	0.2	Mar. 1939	4.0	Sept. 1940	3.6
Apr.	1.0	Oct.	.3	Apr.	4.5	Oct.	3.8
May	1.3	Nov.	.6	May	5.4	Nov.	4.4
June	1.1	Dec.	.0	June	5.2	Dec.	4.8
July	1.2	Jan. 1938	.0	July	4.0	Jan. 1941	4.8
Aug.	1.6	Feb.	1.0	Aug.	2.9	Feb.	4.4
Sept.	1.8	Mar.	1.4	Sept.	2.0	Mar.	4.8
Oct.	2.0	Apr.	2.4	Oct.	1.7	Apr.	3.4
Nov.	2.0	May	3.8	Nov.	2.1	May	4.5
Dec.	2.3	June	3.6	Dec.	2.4	June	4.3
Jan. 1937	2.8	July	3.3	Jan. 1940	3.2	July	3.6
Feb.	3.3	Aug.	1.9	Feb.	3.6	Aug.	2.2
Mar.	3.4	Sept.	1.5	Mar.	4.4	Sept.	2.5
Apr.	3.2	Oct.	1.8	Apr.	4.0	Oct.	2.6
May	3.3	Nov.	1.7	May	6.1	Nov.	2.6
June	2.6	Dec.	2.6	June	5.1	Dec.	2.0
July	3.0	Jan. 1939	3.0	July	5.0	Jan. 1942	1.9
Aug.	2.1	Feb.	3.4	Aug.	3.8	Feb.	1.5

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Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1942	1.4	May 1944	5.4	July 1946	2.5	Aug. 1948	1.4
Apr.	1.8	June	4.7	Aug.	2.2	Sept.	.0
May	2.3	July	4.9	Sept.	1.9	Oct.	.0
June	1.2	Aug.	4.6	Oct.	1.2	Nov.	.0
Aug.	.0	Sept.	3.9	Nov.	1.4	Dec.	.0
Sept.	.3	Oct.	3.8	Jan. 1947	2.4	Jan. 1949	.1
Oct.	.5	Nov.	2.2	Feb.	2.9	Feb.	.8
Nov.	1.4	Dec.	2.5	Mar.	3.1	Mar.	1.7
Dec.	2.0	Jan. 1945	2.8	Apr.	2.8	Apr.	2.2
Jan. 1943	2.7	Feb.	3.1	May	2.6	May	4.5
Feb.	2.8	Mar.	4.6	June	2.3	June	4.3
Mar.	4.0	Apr.	5.9	July	2.7	July	2.9
Apr.	4.9	May	6.4	Aug.	2.9	Aug.	2.9
May	6.0	June	5.8	Sept.	1.9	Sept.	1.2
June	5.6	July	4.4	Oct.	.1	Oct.	.0
July	5.3	Aug.	2.7	Nov.	.0	Nov.	.0
Aug.	4.6	Sept.	1.0	Dec.	.1	Dec.	.0
Sept.	1.5	Oct.	+.2	Jan. 1948	.9	Jan. 16, 1950	1.0
Oct.	1.3	Nov.	.2	Feb.	.8	Feb. 3	2.0
Nov.	1.8	Dec.	.8	Mar.	1.9	Mar. 2	2.8
Dec.	2.6	Jan. 1946	1.2	Apr.	1.4	Apr. 4	3.8
Jan. 1944	3.3	Feb.	1.7	May	3.3	May 24	4.9
Feb.	4.6	Mar.	1.6	June	3.2	Oct. 17	1.78
Mar.	5.2	Apr.	1.7	July	3.0	Nov. 28	1.14
Apr.	4.5						

49. Florida State Road Dept. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 15 S., R. 26 E., at east entrance of Ocala National Forest, 50 feet north of State Road 40 and about 30 feet west of dirt road to Glen Springs. Drilled public-supply well, diameter 6 inches, depth 215 feet. Measurements prior to May 1950 supplied by the U. S. Engineering Dept. Records available: 1936-50.

Jan. 1936	28.1	Mar. 1939	28.4	May 1942	25.0	July 1945	27.1
Feb.	27.5	Apr.	28.8	June	25.5	Aug.	26.1
Mar.	27.1	May	29.0	July	24.4	Sept.	25.4
Apr.	27.5	June	29.3	Aug.	23.5	Oct.	25.1
May	27.7	July	29.2	Sept.	23.7	Nov.	25.3
June	27.8	Aug.	28.6	Oct.	24.4	Dec.	25.5
July	27.7	Sept.	27.9	Nov.	24.9	Jan. 1946	25.1
Aug.	28.0	Oct.	27.5	Dec.	25.4	Feb.	25.4
Sept.	28.2	Nov.	27.6	Jan. 1943	25.8	Mar.	25.4
Oct.	27.6	Dec.	27.7	Feb.	26.1	Apr.	25.8
Nov.	27.9	Jan. 1940	27.8	Mar.	26.6	July	25.7
Dec.	28.1	Feb.	27.9	Apr.	27.0	Aug.	25.6
Jan. 1937	28.2	Mar.	28.2	May	27.3	Sept.	25.0
Feb.	28.2	Apr.	28.5	June	27.6	Oct.	24.9
Mar.	28.5	May	28.7	July	27.7	Nov.	25.1
Apr.	28.3	June	29.1	Aug.	27.2	Jan. 1947	25.5
May	28.3	July	28.3	Sept.	25.5	Feb.	25.8
June	28.5	Aug.	27.6	Oct.	24.9	Mar.	26.2
July	28.7	Sept.	27.8	Nov.	25.1	Apr.	26.2
Aug.	28.0	Oct.	27.8	Dec.	25.6	May	26.0
Sept.	27.3	Nov.	28.1	Jan. 1944	26.0	June	26.4
Oct.	26.9	Dec.	28.4	Feb.	26.1	July	26.2
Nov.	27.1	Jan. 1941	28.5	Mar.	26.6	Aug.	25.8
Dec.	26.1	Feb.	28.6	Apr.	26.3	Sept.	24.8
Jan. 1938	26.8	Mar.	28.6	May	26.6	Oct.	24.2
Feb.	27.3	Apr.	28.3	June	27.1	Nov.	24.1
Mar.	27.2	May	28.3	July	26.9	Dec.	24.4
Apr.	27.6	June	28.6	Aug.	26.6	Jan. 1948	24.5
May	28.1	July	27.2	Sept.	26.5	Feb.	24.8
June	28.3	Aug.	25.8	Oct.	26.5	Mar.	25.2
July	28.0	Sept.	25.4	Nov.	24.9	Apr.	25.5
Aug.	27.4	Oct.	25.5	Dec.	25.1	May	25.9
Sept.	27.2	Nov.	25.1	Jan. 1945	25.5	June	26.5
Oct.	27.4	Dec.	25.0	Feb.	25.8	July	26.5
Nov.	27.3	Jan. 1942	24.7	Mar.	26.3	Aug.	25.5
Dec.	27.7	Feb.	24.7	Apr.	26.8	Sept.	23.8
Jan. 1939	28.0	Mar.	24.9	May	27.4	Oct.	23.4
Feb.	28.4	Apr.	24.7	June	27.8	Nov.	23.6

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Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 1948	24.2	May 1949	26.4	Oct. 1949	25.0	Mar. 7, 1950	26.5
Jan. 1949	25.0	June	26.9	Nov.	25.2	Apr. 10	26.7
Feb.	25.0	July	26.5	Dec.	25.5	Oct. 20	26.08
Mar.	25.5	Aug.	26.9	Jan. 19, 1950	25.9	Nov. 29	27.20
Apr.	25.6	Sept.	25.8	Feb. 8	26.2		

51. Harold E. Cullison. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 15 S., R. 21 E., 0.2 mile west of Ocala, about 700 feet north of intersection of State Highways 500 and 400. Drilled unused stock well, diameter 4 inches, depth 114 feet. Measurements prior to May 1950 supplied by U. S. Engineering Dept. Records available: 1935-50.

Nov. 1935	27.5	Aug. 1939	29.5	Apr. 1943	31.4	Feb. 1947	28.9
Dec.	28.3	Sept.	28.7	May	31.7	Mar.	29.4
Jan. 1936	29.1	Oct.	28.2	June	32.2	Apr.	28.8
Feb.	28.6	Nov.	28.7	July	32.4	May	28.5
Mar.	27.5	Dec.	29.7	Aug.	31.6	June	29.1
Apr.	27.0	Jan. 1940	30.2	Sept.	29.9	July	29.2
May	27.6	Feb.	30.8	Oct.	29.5	Aug.	29.6
July	28.1	Mar.	31.3	Nov.	29.8	Sept.	27.9
Aug.	28.4	Apr.	31.5	Dec.	30.5	Oct.	26.0
Sept.	28.7	May	31.4	Jan. 1944	31.0	Nov.	25.7
Oct.	28.6	June	31.7	Feb.	31.6	Dec.	26.3
Nov.	29.4	July	31.6	Mar.	32.0	Jan. 1948	27.0
Dec.	29.6	Aug.	31.3	Apr.	32.2	Feb.	27.0
Jan. 1937	30.1	Sept.	31.0	May	32.0	Mar.	26.5
Feb.	30.6	Oct.	30.9	June	32.4	Apr.	27.0
Mar.	30.7	Nov.	31.5	July	32.2	May	26.4
Apr.	29.5	Dec.	31.9	Aug.	31.0	June	28.0
May	29.4	Jan. 1941	32.2	Sept.	29.8	July	28.2
June	29.9	Feb.	32.3	Oct.	30.1	Aug.	27.0
July	30.4	Mar.	32.0	Nov.	29.0	Sept.	25.5
Aug.	30.4	Apr.	30.8	Dec.	29.2	Oct.	25.4
Sept.	28.5	May	30.4	Jan. 1945	29.8	Nov.	25.4
Oct.	27.7	June	30.7	Feb.	30.1	Dec.	27.3
Nov.	28.0	July	30.3	Mar.	29.8	Jan. 1949	24.7
Dec.	28.2	Aug.	29.9	Apr.	30.3	Feb.	25.5
Jan. 1938	28.7	Sept.	30.1	May	32.0	Mar.	28.6
Feb.	29.2	Oct.	30.5	June	32.4	Apr.	29.2
Mar.	29.8	Nov.	29.5	July	32.4	May	29.8
Apr.	30.5	Dec.	28.9	Aug.	30.0	June	29.5
May	31.0	Jan. 1942	28.5	Sept.	27.0	July	29.5
June	31.5	Feb.	28.1	Oct.	26.1	Aug.	29.3
July	30.2	Mar.	28.2	Nov.	27.0	Sept.	27.3
Aug.	29.0	Apr.	27.2	Dec.	27.9	Oct.	25.5
Sept.	29.0	May	27.2	Jan. 1946	28.5	Nov.	25.0
Oct.	29.1	June	27.9	Feb.	28.7	Dec.	26.4
Nov.	28.7	July	28.0	Mar.	28.6	Jan. 18, 1950	28.5
Dec.	28.8	Aug.	27.5	Apr.	28.3	Feb. 6	28.5
Jan. 1939	29.5	Sept.	27.3	July	29.1	Mar. 3	29.0
Feb.	30.0	Oct.	27.4	Aug.	28.6	Apr. 6	29.5
Mar.	30.7	Nov.	28.2	Sept.	28.2	June 8	30.98
Apr.	31.2	Dec.	28.9	Oct.	25.6	Oct. 20	24.03
May	31.6	Jan. 1943	29.7	Nov.	26.0	Nov. 3	24.46
June	32.0	Feb.	30.2	Jan. 1947	28.2	Nov. 29	24.59
July	31.3	Mar.	30.9				

Martin County

125. Florida Park Service. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 46 S., R. 42 E., Jupiter State Park. U.S. Army supply well, diameter 12 inches, depth 90 feet. Records available: 1949-50. Land-surface datum is 17.60 feet above msl, 1929 adjustment. Recording gage installed July 27, 1949.

Daily highest water level, from recorder graph, 1949

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.01	14.29	13.74	13.38	13.96
2	15.01	14.25	13.59	13.41	13.98
3	15.01	14.22	13.53	13.44	14.00
4	15.02	14.19	13.46	13.47	14.02
5	15.03	14.17	13.42	13.50	14.06

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Daily highest water level, from recorder graph, 1949

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	15.04	14.16	13.38	13.52	14.08
7	15.05	14.15	13.34	13.55	14.10
8	15.06	14.15	13.33	13.57	14.13
9	15.11	14.15	13.31	13.57	14.16
10	15.13	14.14	13.29	13.57	14.19
11	15.14	14.14	13.19	13.57	14.21
12	15.14	14.14	13.14	13.59	14.23
13	15.16	14.14	13.12	13.61	14.25
14	15.17	14.14	13.09	13.62	14.28
15	15.19	14.14	13.07	13.63	14.30
16	15.21	14.14	13.06	13.65	14.33
17	15.22	14.17	13.06	13.67	14.36
18	15.23	14.18	13.06	13.71	14.38
19	15.25	14.19	13.06	13.72	14.40
20	15.27	14.22	13.07	13.73	14.42
21	15.29	14.24	13.08	13.75	14.44
22	15.29	14.26	13.10	13.78	14.46
23	15.29	14.29	13.13	13.80	14.48
24	15.30	14.30	13.14	13.82	14.49
25	15.31	14.33	13.17	13.84	14.51
26	15.24	14.33	13.20	13.87	14.52
27	14.99	14.79	14.30	13.22	13.88	14.52
28	14.99	14.61	14.24	13.25	13.90	14.56
29	14.99	14.49	14.15	13.29	13.91	14.16
30	14.99	14.40	13.89	13.31	13.93	14.06
31	15.00	14.34		13.34		13.98

Daily highest water level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.93	14.41	14.82	15.25	15.52	15.45	15.86	15.87	15.25	14.85	13.39	14.18
2	13.87	14.42	14.83	15.28	15.52	15.44	15.87	15.88	15.24	14.85	13.41	14.19
3	13.83	14.46	14.85	15.29	15.53	15.44	15.88	15.89	15.21	14.85	13.44	14.22
4	13.81	14.47	14.86	15.30	15.54	15.46	15.89	15.91	15.19	14.85	13.50	14.24
5	13.79	14.49	14.88	15.31	15.55	15.47	15.90	15.92	15.15	14.86	13.55	14.26
6	13.79	14.51	14.90	15.32	15.56	15.49	15.91	15.93	15.13	14.86	13.59	14.29
7	13.78	14.52	14.91	15.34	15.57	15.50	15.93	15.94	15.09	14.86	13.62	14.33
8	13.79	14.54	14.94	15.33	15.58	15.52	15.93	15.94	15.04	14.86	13.64	14.35
9	13.80	14.54	14.95	15.33	15.60	15.53	15.94	15.88	15.03	14.88	13.67	14.38
10	13.81	14.56	14.97	15.33	15.61	15.55	15.91	15.75	15.01	14.88	13.70	14.39
11	13.84	14.57	14.98	15.33	15.61	15.56	15.79	15.64	15.00	14.88	13.74	14.42
12	13.89	14.58	14.98	15.33	15.63	15.58	15.74	15.57	14.96	14.88	13.76	14.43
13	13.92	14.60	15.00	15.34	15.63	15.61	15.70	15.33	14.95	14.88	13.79	14.44
14	13.95	14.61	15.01	15.34	15.64	15.63	15.67	15.49	14.94	14.89	13.81	14.47
15	13.99	14.62	15.02	15.36	15.66	15.64	15.65	15.46	14.93	14.85	13.84	14.48
16	14.03	14.63	15.04	15.37	15.67	15.66	15.65	15.43	14.92	14.83	13.85	14.50
17	14.07	14.65	15.05	15.37	15.69	15.67	15.64	15.41	14.91	14.81	13.87	14.51
18	14.10	14.66	15.07	15.37	15.70	15.70	15.64	15.40	14.90	14.15	13.89	14.54
19	14.14	14.67	15.10	15.38	15.70	15.71	15.64	15.39	14.89	13.87	13.91	14.56
20	14.17	14.69	15.11	15.39	15.71	15.72	15.66	15.38	14.87	13.68	13.93	14.57
21	14.18	14.70	15.11	15.40	15.71	15.73	15.67	15.37	14.87	13.53	13.95	14.60
22	14.21	14.70	15.12	15.41	15.72	15.74	15.70	15.36	14.86	13.43	13.97	14.62
23	14.23	14.73	15.13	15.41	15.70	15.74	15.71	15.35	14.86	13.36	13.99	14.64
24	14.24	14.73	15.16	15.42	15.65	15.76	15.73	15.34	14.86	13.30	14.01	14.65
25	14.27	14.76	15.17	15.43	15.60	15.77	15.74	15.34	14.85	13.27	14.04	14.66
26	14.29	14.78	15.18	15.45	15.55	15.78	15.77	15.34	14.85	13.26	14.05	14.68
27	14.31	14.80	15.19	15.46	15.52	15.81	15.80	15.34	14.85	13.25	14.09	14.70
28	14.33	14.81	15.20	15.47	15.49	15.81	15.81	15.33	14.85	13.25	14.11	14.72
29	14.34		15.22	15.49	15.46	15.84	15.84	15.31	14.85	13.28	14.14	14.74
30	14.38		15.23	15.50	15.46	15.84	15.85	15.29	14.85	13.30	14.15	14.76
31	14.39		15.24		15.45		15.87	15.26		13.34		14.78

Nassau County

2. G. G. Gerbing. In Amelia City, in southeast corner of pump house. Records available: 1939-40, 1944-50. Apr. 18, +33.2; June 7, +34.3; Aug. 3, +33.5; Sept. 19, +33.7; Nov. 1, +33.5; Dec. 19, +34.0.

8. Charles Pelot. Near SE corner of NE $\frac{1}{4}$ sec. 1, T. 1 N., R. 28 E. Records available: 1939-40, 1944-50. Jan. 17, +34.8; Mar. 8, +37.3; Apr. 18, +34.2; June 7, +33.5; Aug. 3, +32.6; Sept. 19, +32.6; Dec. 19, +32.4.

12. J. W. Sheffield. 1,600 feet east of NW corner sec. 4, T. 2 N., R. 28 E., about 400 feet east of U. S. Highway 13, on north side of dirt street. Records available: 1939, 1944-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	13.8	Apr. 18	11.6	Aug. 3	9.4	Nov. 1	10.9
Mar. 8	13.0	June 7	12.1	Sept. 19	9.4	Dec. 19	12.0

22. Jack Woodward. Northeast of Fernandina and about 1,000 feet east of road to Fort Clinch. Records available: 1939-41, 1944-50.

Jan. 17	3.14	May 24	8.7	Aug. 3	5.80	Nov. 1	9.97
31	6.00	June 7	6.90	Sept. 19	7.07	Dec. 19	3.82
Apr. 18	6.36						

23. Florida Forest and Park Service. About 1,000 feet northwest from end of south jetty to St. Mary's Entrance. Records available: 1939-42, 1944, 1946-50.

Water level above land-surface datum

Jan. 17	25.1	Apr. 18	22.8	Aug. 3	21.1	Nov. 1	21.0
Mar. 8	27.0	June 7	22.8	Sept. 19	21.2	Dec. 19	22.6

27. Judge Fishler and others. In Fernandina, 200 feet north of Atlantic Boulevard, on east side of North 18th St. Records available: 1939-41, 1944-50. Jan. 17, +2.05; Aug. 3, 3.57; Sept. 19, 6.59; Nov. 1, 4.75; Dec. 19, 2.13.

34. W. L. Hardee. At Hardee Dock, about 150 feet east of Amelia River. Records available: 1939-41, 1944-50.

Jan. 17	+9.0	Apr. 18	2.78	Aug. 3	12.97	Nov. 1	14.92
31	.5	June 7	2.18	Sept. 19	12.03	Dec. 19	10.90
Mar. 9	+7.4						

44. Seaboard Air Line Railway Co. At Yulee, at Seaboard Air Line Railway Station, south of pump house near elevated tank. Records available: 1934, 1938, 1940, 1944-50. Mar. 9, +15.5; June 7, +14.7; Aug. +14.2; Sept. 19, +14.5; Nov. 1, +15.1; Dec. 19, +14.8.

50. C. J. McKendree. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, T. 2 N., R. 26 E., 0.6 mile east of Italia. Records available: 1940-41, 1944-50.

Water level above land-surface datum

Jan. 17	33.0	Apr. 18	32.1	Aug. 3	31.3	Nov. 1	31.1
Mar. 8	32.6	June 7	31.7	Sept. 19	29.7	Dec. 19	30.9

51. Harold D. Blosser. In Callahan, near SW corner NW $\frac{1}{4}$ sec. 29, T. 2 N., R. 25 E. Records available: 1940-42, 1944-50.

Water level above land-surface datum

Jan. 17	38.4	Apr. 18	37.2	Aug. 3	35.4	Nov. 1	36.2
Mar. 8	37.3	June 7	36.5	Sept. 19	35.6	Dec. 19	35.8

52. Charles Norris. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 3 N., R. 24 E. Records available: 1938, 1940-42, 1944-50.

Jan. 17	1.62	Apr. 18	2.66	Aug. 3	3.87	Nov. 1	3.67
Mar. 8	2.29	June 7	3.25	Sept. 19	4.96	Dec. 19	3.68

55. L. R. Church. In O'Neil, about 500 feet southeast of NE corner sec. 27, T. 2 N., R. 28 E., between Seaboard Air Line Railway tracks and State Highway 13. Records available: 1940, 1944-50. Jan. 17, +28.1; Apr. 18, +25.9; June 7, +24.3; Aug. 3, +22.0; Sept. 19, +22.3; Nov. 1, +23.5; Dec. 19, +24.0.

64. Mrs. D. C. Henderson. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 3 N., R. 24 E. In Hilliard on south side of dirt street, about 500 feet west of brick schoolhouse. Records available: 1944-47. Measurements withheld for adjustment.

Okealoosa County

3. Okealoosa County. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 2 S., R. 24 W., in Fort Walton, behind schoolhouse, 20 feet east of pump house. Records available: 1946-50. Mar. 21, +18.7; May 3, +20.1; June 22, +14.0; Aug. 16, +13.3; Oct. 4, +12.5; Nov. 15, +11.8.

23. U. S. Army. At Eglin Auxiliary Field 2, in pump house. Records available: 1947-50. Mar. 22, 95.2; May 4, 95.3; June 22, 100.6; Oct. 4, 96.5; Nov. 15, 97.0.

25. U. S. Army. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 2 N., R. 23 W., at Eglin Auxiliary Field 3, in building 3204. Records available: 1947-50. Mar. 21, 108.6; May 3, 109.9; June 22, 109.1; Aug. 16, 109.1; Oct. 4, 109.9; Nov. 15, 108.9.

26. U. S. Army. At Eglin Auxiliary Field 4, in building 4102, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 1 S., R. 23 W. Records available: 1947-50. Mar. 21, 25.7; May 3, 20.4; June 22, 30.2; Aug. 16, 27.0; Oct. 4, 21.4; Nov. 15, 28.2.

27. U. S. Army. At Eglin Auxiliary Field 4, in building 4204, in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 1 S., R. 23 W. Records available: 1948-50. Mar. 21, 26.6; May 3, 32.7; June 22, 27.8; Aug. 16, 27.8; Oct. 4, 32.9; Nov. 15, 27.9.

28. U. S. Army. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 1 N., R. 24 W., at Eglin Auxiliary Field 5, in building 5102. Records available: 1948-50. Mar. 21, 100.2; May 3, 101.2. Measurement discontinued.

29. U. S. Army. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 1 N., R. 24 W., at Eglin Auxiliary Field 5, in building 5204. Records available: 1947-50. Mar. 21, 101.7; May 3, 103.2; June 22, 103.1; Aug. 16, 102.9; Oct. 4, 102.6; Nov. 15, 103.5.

31. U. S. Army. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 2 N., R. 25 W., at Eglin Auxiliary Field 6, in building 6204. Records available: 1948-50. Mar. 21, 48.0; May 3, 47.8; June 22, 48.3; Aug. 16, 48.2; Oct. 4, 48.2; Nov. 15, 49.1.

32. U. S. Army. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 2 S., R. 25 W., at Eglin Auxiliary Field 9, in building 9052. Records available: 1947-50. May 3, +32.2; June 22, +27.9; Aug. 16, +27.6; Oct. 4, +27.4; Nov. 15, +30.5.

34. U. S. Army. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 1 S., R. 22 W., at Eglin main field at Postle Point, near recreation center on Weekly Bayou. Records available: 1947-50. Mar. 22, +28.2; May 4, +26.6; June 20, +23.4; Aug. 16, +22.3; Oct. 4, +24.2; Nov. 16, +24.9.

Okeechobee County

2. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, T. 35 S., R. 33 E., State Highway 66, 1 mile west of Bassinger. Records available: 1949-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.06	....	5.77	6.49	7.19	7.79	7.74	6.45	5.84	5.12	3.85	4.80
2	4.09	....	5.75	6.51	7.21	7.80	7.74	6.50	5.75	5.12	3.91	4.82
3	4.10	....	5.77	6.54	7.22	7.82	7.73	6.55	5.85	5.12	3.95	4.83
4	5.80	6.55	7.25	7.84	7.69	6.58	5.47	5.13	3.97	4.85
5	5.82	6.56	7.26	7.86	7.62	6.65	5.25	5.16	4.00	4.88
6	5.85	6.60	7.28	7.88	7.54	6.68	5.08	5.18	4.03	4.90
7	5.86	6.62	7.31	7.54	7.32	6.70	5.03	5.23	4.03	4.91
8	5.89	6.63	7.33	7.31	6.43	6.71	4.96	5.26	4.05	4.93
9	5.92	6.66	7.34	7.25	6.10	6.73	5.02	5.30	4.10	4.95
10	5.94	6.69	7.37	7.06	5.96	6.72	5.06	5.34	4.13	4.96
11	5.95	6.71	7.39	7.01	5.80	6.52	5.11	5.36	4.16	4.99
12	5.96	6.73	7.41	6.98	5.67	6.00	5.16	5.42	4.22	5.00
13	5.46	6.00	6.75	7.44	6.97	5.62	5.76	5.27	5.47	4.25	5.03
14	5.49	6.04	6.80	7.46	6.96	5.57	5.66	5.30	5.50	4.26	5.05
15	5.51	6.06	6.83	7.48	6.98	5.57	5.62	5.06	5.52	4.28	5.07
16	5.54	6.08	6.85	7.49	7.02	5.61	5.60	4.90	5.44	4.29	5.08
17	5.57	6.11	6.87	7.51	7.07	5.63	5.63	4.87	4.97	4.32	5.10
18	5.59	6.13	6.90	7.53	7.12	5.68	5.67	4.85	3.30	4.36	5.11
19	5.62	6.15	6.92	7.54	7.17	5.73	5.73	4.90	3.22	4.40	5.14
20	5.65	6.16	6.95	7.57	7.23	5.77	5.77	4.94	3.25	4.44	5.16
21	5.67	6.18	6.97	7.59	7.29	5.80	5.85	4.94	3.30	4.47	5.20
22	5.69	6.20	7.01	7.60	7.33	5.86	5.87	4.95	3.35	4.50	5.21
23	5.71	6.25	7.03	7.62	7.39	5.92	5.90	4.96	3.42	4.54	5.24
24	5.73	6.27	7.05	7.63	7.45	5.96	5.93	4.96	3.49	4.55	5.25
25	5.74	6.29	7.08	7.65	7.51	6.03	5.97	5.05	3.53	4.60	5.28

2--Continued.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	5.78	6.32	7.10	7.67	7.56	6.10	6.00	5.08	3.58	4.63	5.30
27	5.81	6.34	7.11	7.69	7.63	6.16	6.03	5.09	3.64	4.67	5.31
28	5.84	6.35	7.14	7.71	7.67	6.25	6.03	5.09	3.69	4.71	....
29		6.39	7.15	7.72	7.70	6.30	6.00	5.10	3.74	4.74	....
30		6.45	7.16	7.74	7.73	6.35	5.96	5.10	3.80	4.78	....
31		6.47		7.76		6.42	5.88		3.80		....

3. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 34 S., R. 35 E., State Highway 15, 2 miles south of Fort Drum. Records available: 1948-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.79	3.66	4.20	4.48	4.87	4.48	3.69	3.50	1.78	2.72	1.72	2.65
2	2.80	3.68	4.22	4.50	4.90	4.51	3.56	2.37	2.32	2.78	1.84	2.65
3	2.80	3.71	4.23	4.55	4.92	4.51	3.54	2.60	1.39	2.78	1.88	2.65
4	2.87	3.73	4.25	4.56	4.94	4.53	3.50	2.72	1.74	2.85	1.35	2.51
5	2.90	3.75	4.27	4.32	4.96	4.49	3.56	2.82	1.85	2.90	1.88	2.65
6	2.95	3.54	4.23	4.43	4.98	4.55	3.51	2.84	1.51	2.95	1.96	2.68
7	3.00	3.53	4.28	4.48	5.02	4.48	3.20	2.80	2.00	3.00	2.02	2.37
8	3.08	3.65	4.28	4.53	5.05	4.56	3.04	2.84	2.15	3.05	2.06	2.48
9	3.15	3.70	4.33	4.56	4.97	4.58	3.00	2.89	2.25	2.63	2.09	2.52
10	3.18	3.75	4.35	4.58	5.08	4.63	2.40	2.55	2.35	2.10	2.05	2.57
11	3.21	3.78	4.35	4.60	5.10	4.68	2.36	2.30	2.42	2.22	2.17	2.64
12	3.22	3.80	4.39	4.63	5.12	4.73	2.56	2.00	2.49	2.28	2.20	2.69
13	3.25	3.80	4.40	4.66	5.15	4.64	2.66	1.63	2.40	2.35	2.23	2.66
14	3.26	3.86	4.42	4.67	5.16	4.66	2.50	2.15	2.50	2.00	1.98	2.72
15	3.29	3.86	4.37	4.70	5.18	4.69	2.55	2.27	2.58	1.93	1.82	2.74
16	3.33	3.90	4.45	4.73	5.14	4.75	2.63	2.27	2.65	.95	1.95	2.74
17	3.36	3.93	4.46	4.73	5.21	4.76	2.72	2.42	2.70	.72	2.10	2.63
18	3.37	3.95	4.40	4.76	5.13	4.82	2.79	2.50	2.75	.25	2.24	2.71
19	3.39	3.98	4.45	4.78	5.23	4.73	2.87	2.58	2.78	.50	2.30	2.76
20	3.42	4.00	4.47	4.78	5.25	4.85	2.81	2.61	2.83	.64	2.33	2.80
21	3.43	4.03	4.30	4.80	5.09	4.90	2.78	2.64	2.87	.77	2.38	2.81
22	3.44	4.05	4.05	4.83	5.08	4.71	2.82	1.95	2.92	.88	2.40	2.81
23	3.47	4.07	4.07	4.85	4.91	4.76	2.91	1.55	2.97	1.05	2.44	2.84
24	3.50	4.08	4.10	4.87	4.90	4.75	2.99	2.06	3.02	1.16	2.40	2.85
25	3.51	4.08	4.16	4.60	4.87	4.74	3.04	2.23	3.07	1.28	2.51	2.87
26	3.55	4.12	4.22	4.74	4.85	4.80	3.10	2.30	2.81	1.40	2.53	2.89
27	3.57	4.15	4.27	4.78	4.76	4.86	3.18	2.37	2.33	1.50	2.55	2.90
28	3.52	4.17	4.32	4.69	4.77	4.90	3.26	2.20	2.41	1.60	2.59	....
29	3.58		4.36	4.78	4.61	4.43	3.35	2.26	2.54	1.66	2.61	....
30	3.62		4.43	4.83	4.64	3.95	3.37	2.32	2.63	1.70	2.64	....
31	3.64		4.47		4.58		3.42	2.40		1.76		....

4. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 37 S., R. 34 E., State Highway 70, 8.4 miles west of Okeechobee. Records available: 1949-50.

Daily highest water level, from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.47	5.64	6.03	4.98	5.09	6.22	5.98	5.65	3.80	4.68	3.56	4.50
2	4.51	5.55	6.05	5.04	5.16	6.23	5.93	5.73	3.87	4.69	3.62	4.50
3	4.55	5.58	6.07	5.10	5.23	6.24	5.91	5.75	3.25	4.68	3.65	4.46
4	4.59	5.60	6.08	5.14	5.31	6.25	5.89	5.79	3.06	4.71	3.56	4.43
5	4.64	5.50	6.10	5.14	5.40	6.27	5.88	5.83	3.38	4.74	3.78	4.50
6	4.68	5.55	6.07	5.22	5.50	6.29	5.88	5.85	2.94	4.76	3.82	4.52
7	4.74	5.68	6.10	5.25	5.53	6.29	5.32	5.86	3.43	4.80	3.85	4.12
8	4.81	5.61	6.10	5.29	5.65	6.31	4.68	5.87	3.60	4.83	3.88	4.17
9	4.88	5.64	6.14	5.33	5.70	6.33	4.56	5.90	3.72	4.85	3.92	4.23
10	4.93	5.65	6.16	5.37	5.76	6.35	4.42	5.93	3.82	4.84	3.95	4.30
11	4.98	5.67	6.17	5.41	5.82	6.37	4.36	5.94	3.93	4.81	4.00	4.35
12	5.01	5.69	6.18	5.45	5.86	6.40	4.52	5.28	4.01	4.89	4.03	4.39
13	5.06	5.71	6.20	5.50	5.90	6.42	4.61	5.08	4.10	4.94	4.05	4.42
14	5.09	5.73	6.22	5.53	5.93	6.45	4.68	5.10	4.17	4.97	4.07	4.46
15	5.12	5.75	5.66	5.57	5.96	6.48	4.75	5.16	4.25	5.00	3.90	4.50
16	5.16	5.76	5.28	5.61	5.98	6.52	4.85	5.22	4.32	3.92	3.90	4.52
17	5.18	5.80	5.27	5.65	6.00	6.54	4.94	5.28	4.39	2.99	4.00	4.53

4--Continued.

Daily highest water level, from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
18	5.21	5.82	5.27	5.67	6.02	6.54	5.02	5.36	4.44	1.70	4.10	4.54
19	5.25	5.84	5.30	5.70	6.05	6.55	5.07	5.45	4.48	2.55	4.15	4.57
20	5.27	5.86	5.33	5.72	6.08	6.57	5.12	5.52	4.50	2.71	4.18	4.60
21	5.29	5.89	4.83	4.76	6.11	6.59	5.16	4.90	4.15	2.93	4.22	4.63
22	5.30	5.90	4.50	5.79	6.13	6.50	5.20	4.55	4.20	1.95	4.25	4.64
23	5.32	5.92	4.55	5.82	6.05	6.55	5.26	4.58	4.27	2.61	4.28	4.66
24	5.35	5.93	4.60	5.58	5.03	6.60	5.31	4.65	4.40	2.93	4.30	4.68
25	5.38	5.94	4.67	5.43	6.07	6.27	5.35	4.72	4.43	3.10	4.35	4.71
26	5.40	5.95	4.72	5.11	6.12	6.08	5.44	4.54	4.47	3.24	4.38	4.74
27	5.42	5.98	4.77	5.09	6.15	6.04	5.49	4.35	4.56	3.33	4.40	4.76
28	5.45	6.00	4.83	5.07	6.16	6.02	5.55	4.25	4.59	3.39	4.44	....
29	5.47	....	4.80	5.03	6.19	5.98	5.61	3.80	4.62	3.47	4.46	....
30	5.50	....	4.85	5.03	6.17	5.96	5.67	3.64	4.65	3.51	4.48	....
31	5.52	....	4.93	....	6.20	....	5.72	3.70	....	3.55	....	....

* Water levels are in error. To correct subtract 1.00 foot from all readings.

Orange County

47. Orange County. Near SE. corner NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 22 S., R. 28 E., at edge of sink, on west side of State Highway 413, about 1 mile northwest of Orlo Vista. Records available: 1930-33, 1943-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Nov.	Dec.
1	3.77	4.89	5.57	5.83	6.00	6.50	6.97	6.99	7.23	....	2.66
2	3.79	4.91	5.63	5.80	6.05	6.55	6.96	7.00	7.20	....	2.74
3	3.80	4.99	5.66	....	6.09	6.56	6.89	7.01	7.17	....	2.55
4	....	4.99	5.59	5.81	6.11	6.57	6.88	7.03	6.97	0.60	1.82
5	3.85	4.96	5.59	5.60	6.18	6.57	6.87	7.05	6.65	.88	1.98
6	3.89	4.98	5.59	5.27	6.21	6.62	6.80	7.07	....	1.05	2.13
7	3.91	4.97	5.57	5.41	6.25	6.74	6.75	7.10	....	1.18	2.11
8	3.95	4.97	5.60	5.52	6.31	6.77	6.73	7.15	....	1.24	2.08
9	3.98	5.01	5.63	5.60	6.40	6.81	6.71	7.17	....	1.31	2.14
10	4.00	5.02	5.62	5.69	6.45	6.80	6.74	7.16	....	1.37	2.18
11	4.03	5.09	5.61	5.71	6.46	6.73	6.76	7.17	....	1.43	2.30
12	....	5.09	5.70	5.70	6.52	6.81	6.77	7.15	....	1.54	2.36
13	....	5.10	5.78	5.71	6.59	6.86	6.78	7.14	....	1.64	2.46
14	4.19	5.15	5.77	5.77	6.50	6.92	6.80	7.15	....	1.74	2.54
15	4.22	5.22	5.71	5.80	6.52	6.98	6.83	7.19	....	1.81	2.56
16	4.27	5.30	5.81	5.86	6.40	7.04	6.88	7.20	....	1.85	2.58
17	4.27	5.38	5.79	5.89	6.33	7.01	6.88	7.21	....	1.87	2.30
18	4.28	....	5.72	5.89	6.31	6.99	6.80	7.22	....	1.95	1.31
19	4.35	5.28	5.75	5.90	6.31	7.08	6.77	7.24	....	2.03	1.60
20	4.41	5.32	5.76	5.91	6.31	7.12	6.78	7.26	....	2.08	1.86
21	4.41	5.34	5.70	5.99	6.32	7.14	6.79	7.29	....	2.17	2.04
22	4.41	5.30	5.74	6.04	6.29	7.15	6.78	7.33	....	2.22	2.14
23	4.43	5.40	5.75	6.01	6.29	7.15	6.79	7.35	....	2.28	2.23
24	4.52	5.49	5.74	6.01	6.25	6.99	6.82	7.42	....	2.29	....
25	4.59	5.41	5.71	6.03	6.28	6.91	6.87	7.43	....	2.37	....
26	4.62	5.39	5.71	6.02	6.31	7.02	6.88	7.45	....	2.40	....
27	4.63	5.55	5.74	5.97	6.33	7.05	6.89	7.44	....	2.39	....
28	4.63	5.56	5.78	5.92	6.37	7.10	6.87	7.41	....	2.45	....
29	4.70	....	5.86	5.95	6.40	7.07	6.87	7.37	....	2.51	....
30	4.80	....	5.92	5.97	6.42	7.03	6.90	7.30	....	2.56	....
31	4.83	....	5.90	....	6.44	....	6.96	7.30	....	....	....

47B. U. S. Geol. Survey. Near SE. corner NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 22 S., R. 28 E., at edge of sink, on west side of State Highway 413, about 1 mile northwest of Orlo Vista, 10 feet south of well 47. Records available: 1948-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.32	2.95	3.61	....	....	4.59	5.10	5.38	5.58	2.90	+0.84	+0.03
2	2.34	2.97	3.64	....	....	4.62	5.12	5.39	5.62	2.88	+ .85	+ .01
3	2.36	2.99	3.66	....	....	4.65	5.11	5.41	5.58	2.87	+ .88	+ .02
4	....	....	3.68	4.21	....	4.66	5.17	5.42	5.42	2.87	+ .90	+ .16
5	2.44	....	3.71	4.05	....	4.67	5.15	5.44	5.22	2.86	+ .89	+ .13

47B--Continued.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	2.46	....	3.72	3.91	....	4.69	5.13	5.44	4.71	2.87	+0.86	+0.09
7	2.47	....	3.73	3.91	....	4.71	5.16	5.46	4.09	2.88	+ .83	+ .07
8	2.49	....	3.74	3.92	....	4.72	5.17	5.48	3.88	2.90	+ .81	+ .05
9	2.51	....	3.76	3.95	....	4.76	5.17	5.46	3.76	2.91	+ .80	+ .02
10	2.53	....	3.79	4.00	....	4.78	5.19	5.46	3.67	2.92	+ .78	.00
11	2.54	....	3.82	4.04	....	4.80	5.17	5.49	3.59	2.93	+ .74	.04
12	2.56	....	3.84	4.07	....	4.81	5.17	5.47	3.53	2.95	+ .70	.07
13	2.57	....	3.86	4.11	....	4.84	5.20	5.46	3.48	2.98	+ .68	.10
14	2.58	....	3.89	4.15	....	4.86	5.21	5.51	3.45	3.00	+ .62	.13
15	2.61	....	3.91	4.18	....	4.88	5.23	5.53	3.46	3.01	+ .59	.16
16	2.63	....	3.90	4.22	....	4.91	5.24	5.52	3.38	2.96	+ .55	.20
17	2.65	....	3.93	4.24	4.48	4.94	5.23	5.54	3.35	2.57	+ .52	.15
18	2.66	....	3.95	....	4.51	4.96	5.20	5.56	3.33	1.70	+ .49	.10
19	2.68	3.36	3.96	....	4.53	4.99	5.24	5.58	3.32	1.14	+ .46	.10
20	2.70	3.38	3.98	....	4.54	5.01	5.27	5.59	3.30	.82	+ .41	.11
21	2.72	3.40	4.00	....	4.48	5.03	5.29	5.60	3.30	.55	+ .37	.12
22	2.74	3.43	4.01	....	4.33	....	5.29	5.61	3.30	.33	+ .33	.13
23	2.75	3.44	....	....	4.33	....	5.29	5.64	3.29	.13	+ .30	.17
24	2.77	3.46	....	....	4.34	....	5.30	5.66	3.29	+ .03	+ .29	....
25	2.80	3.49	....	....	4.36	....	5.30	5.68	3.30	+ .18	+ .24	....
26	2.82	3.52	....	....	4.40	....	5.31	5.70	3.31	+ .33	+ .20	....
27	2.85	3.54	....	....	4.43	....	5.30	5.69	3.32	+ .45	+ .18	....
28	2.87	3.58	....	....	4.48	....	5.30	5.71	3.29	+ .57	+ .13	....
29	2.88	....	....	....	4.52	....	5.33	5.67	3.16	+ .66	+ .10	....
30	2.90	....	....	....	4.54	....	5.34	5.57	2.97	+ .74	+ .07	....
31	2.93	....	....	....	4.57	....	5.36	5.57	....	+ .82	....	....

47C. U. S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 22 S., R. 28 E., about 50 feet north of State Highway 50 and 10 feet west of State Highway 413, in the edge of an orange grove, 1 mile northwest of Orlo Vista. Records available: 1948-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	July	Sept.	Oct.	Nov.	Dec.
1	36.93	37.23	37.54	37.90	38.23	38.77	....	38.26	35.70	34.47
2	36.94	37.24	37.55	37.91	38.24	38.81	39.22	38.24	35.57	34.46
3	36.95	37.25	37.56	37.92	38.25	38.82	39.24	38.22	35.46	34.46
4	....	37.26	37.57	37.93	38.26	38.83	39.25	38.19	35.27	34.44
5	36.98	37.27	37.58	37.94	38.27	38.84	39.25	38.16	35.19	34.45
6	36.98	37.28	37.59	37.95	38.28	38.85	39.25	38.14	35.12	34.45
7	36.99	37.29	37.60	37.96	38.29	38.86	39.25	38.11	35.05	34.44
8	37.00	37.30	37.61	37.97	38.30	38.86	39.25	38.09	34.99	34.44
9	37.01	37.30	37.62	37.99	38.31	38.87	39.24	38.07	34.95	34.43
10	37.02	37.31	37.63	38.00	38.32	38.88	39.18	38.04	34.91	34.42
11	37.03	37.32	37.63	38.01	38.33	38.88	39.12	38.02	34.87	34.41
12	37.04	37.34	37.64	38.02	38.35	38.89	39.08	38.00	34.83	34.41
13	37.05	37.35	37.66	38.03	38.36	38.90	39.06	37.98	34.79	34.41
14	37.06	37.36	37.68	38.04	38.37	38.90	39.04	37.96	34.77	34.42
15	37.07	37.37	37.69	38.05	38.38	38.91	39.02	37.93	34.73	34.42
16	37.08	37.38	37.70	38.06	38.40	38.91	38.98	37.91	34.71	34.41
17	37.08	37.40	37.71	38.07	38.41	....	38.94	37.89	34.67	34.41
18	37.09	37.41	37.72	38.09	38.42	....	38.86	37.87	34.64	34.41
19	37.10	37.42	37.73	38.10	38.43	....	38.78	37.84	34.63	34.42
20	37.11	37.43	37.74	38.11	38.44	....	38.72	37.81	34.61	34.43
21	37.12	37.44	37.76	38.12	38.45	....	38.65	37.69	34.59	34.43
22	37.13	37.45	37.78	38.13	38.46	....	38.59	37.57	34.57	34.41
23	37.14	37.46	37.79	38.14	38.47	....	38.53	37.44	34.55	34.40
24	37.15	37.48	37.80	38.15	38.48	....	38.49	37.28	34.54	34.40
25	37.16	37.49	37.81	38.16	38.49	....	38.45	37.07	34.52	34.39
26	37.16	37.50	37.82	38.17	38.50	....	38.42	36.84	34.51	34.39
27	37.17	37.51	37.84	38.18	38.51	....	38.38	36.61	34.49	34.38
28	37.19	37.53	37.85	38.19	38.52	....	38.34	36.38	34.49	34.38
29	37.20	....	37.85	38.21	38.53	....	38.31	36.18	34.48	34.38
30	37.21	....	37.87	38.22	38.54	....	38.28	35.95	34.48	34.38
31	37.22	....	37.88	....	....	....	....	35.84	....	34.39

Osceola County

179. U. S. Geol. Survey. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 27 S., R. 34 E., U. S. Highway 192, near Deer Park. Records available: 1949-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.78	4.16	4.83	4.28	5.19	4.11	5.43	4.65	4.30	....	2.37	3.00
2	2.91	4.18	4.86	4.30	5.21	4.15	5.45	4.65	4.26	....	2.39	3.01
3	2.98	4.21	4.89	4.36	5.24	4.18	5.47	4.68	3.85	....	2.35	2.55
4	3.07	4.24	4.92	4.40	5.27	4.21	5.37	4.73	2.72	....	2.30	2.42
5	3.11	4.27	4.93	4.31	5.29	4.33	4.37	4.76	2.35	....	2.43	2.48
6	3.17	4.27	4.95	4.33	5.33	4.38	5.38	4.80	2.28	....	2.48	2.56
7	3.21	4.29	4.81	4.34	5.35	4.46	5.40	4.82	2.42	....	2.51	2.52
8	3.28	4.32	4.91	4.36	5.37	4.51	4.95	4.85	2.52	....	2.55	2.60
9	3.33	4.34	4.97	4.40	5.40	4.56	4.42	4.86	2.67	....	2.57	2.69
10	3.38	4.34	4.99	4.44	5.42	4.62	3.96	4.80	2.85	....	2.60	2.77
11	3.43	4.39	5.00	4.48	5.45	4.67	3.44	4.85	2.96	....	2.63	2.84
12	3.47	4.42	5.03	4.53	5.47	4.73	3.32	4.88	3.08	....	2.65	2.89
13	3.51	4.44	5.05	4.58	5.50	4.78	3.52	4.90	3.15	....	2.68	2.95
14	3.55	4.47	5.07	4.63	5.52	4.83	3.67	4.85	3.23	....	2.70	2.99
15	3.58	4.49	5.10	4.64	5.54	4.88	3.76	4.84	3.31	....	2.31	3.02
16	3.63	4.51	5.11	4.71	5.56	4.93	3.86	4.82	3.40	....	2.30	3.05
17	3.67	4.54	5.14	4.75	5.57	4.97	3.94	4.80	3.46	....	3.40	2.95
18	3.70	4.56	5.15	4.78	5.59	5.02	4.02	4.80	3.53	....	2.47	3.00
19	3.75	4.59	5.16	4.83	5.62	5.06	4.09	4.82	3.60	....	2.59	3.05
20	3.78	4.61	5.17	4.87	5.65	5.10	4.14	4.85	3.65	....	2.64	3.08
21	3.81	4.65	4.93	4.92	5.67	5.14	4.20	4.86	3.70	....	2.72	3.10
22	3.83	4.66	4.50	4.94	5.23	5.17	4.26	4.86	3.75	....	2.75	3.12
23	3.86	4.69	4.40	4.98	4.65	5.19	4.32	4.87	3.82	....	2.78	3.15
24	3.91	4.71	4.38	5.01	3.82	5.23	4.37	4.91	3.87	....	2.79	3.16
25	3.95	4.73	4.38	5.04	3.96	5.26	4.30	4.94	3.93	....	2.84	3.19
26	3.99	4.75	4.43	4.98	4.04	5.28	4.42	4.95	3.97	....	2.86	3.20
27	4.03	4.78	4.47	5.05	4.09	5.32	4.46	4.96	3.65	....	2.90	3.22
28	4.05	4.81	4.52	5.09	4.16	5.35	4.52	4.99	....	....	2.93	3.23
29	4.09	....	4.34	5.11	4.20	5.38	4.55	4.95	....	....	2.95	3.26
30	4.11	....	4.30	5.15	4.26	5.42	4.58	4.80	....	....	2.98	3.25
31	4.14	....	4.29	....	4.08	....	4.63	4.48	....	2.35	....	3.29

180. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 27 S., R. 32 E., U. S. Highway 192, 0.3 mile east of Florida Highway 15 at Holopaw. Records available: 1949-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.45	2.68	3.46	2.75	3.83	4.51	4.17	2.90	2.29	2.18	1.95	2.75
2	1.52	2.73	3.53	2.87	3.86	4.54	4.21	1.65	2.32	2.28	1.98	2.76
3	1.31	2.77	3.55	2.91	3.89	4.54	4.23	1.95	1.05	2.30	2.00	1.05
4	1.60	2.79	3.57	3.00	3.90	4.57	4.21	2.17	.67	2.39	1.93	.97
5	1.35	2.83	3.60	2.18	3.94	4.58	2.20	2.35	.67	2.49	2.15	1.37
6	1.64	2.67	3.60	2.33	3.98	4.58	2.23	2.50	.78	2.59	2.18	1.48
7	1.70	2.66	3.44	2.48	4.01	4.60	2.32	2.60	1.02	2.66	2.20	1.07
8	1.80	2.71	3.33	2.59	4.03	4.62	1.57	2.70	1.30	1.52	2.22	1.48
9	1.86	2.83	3.31	2.70	4.07	4.65	1.56	2.77	1.52	1.47	2.26	1.55
10	1.89	2.86	3.35	2.80	4.10	4.67	1.07	2.80	1.60	1.76	2.30	1.68
11	1.92	2.91	3.42	2.89	4.13	4.68	.96	2.87	1.75	1.90	2.34	1.80
12	1.95	2.97	3.50	2.98	4.17	4.72	1.43	2.80	1.80	2.06	2.36	1.81
13	2.00	2.99	3.57	3.08	4.20	4.75	1.71	2.87	1.94	2.20	2.40	1.89
14	2.03	3.04	3.61	3.25	4.23	4.78	1.91	2.37	1.98	2.31	2.41	1.91
15	2.07	3.00	3.57	3.22	4.24	4.80	2.05	2.39	2.02	1.95	1.83	1.92
16	2.10	3.08	3.55	3.29	4.26	4.82	2.13	2.55	2.15	.63	1.90	1.94
17	2.14	3.13	3.61	3.35	4.28	4.86	2.00	2.14	2.20	.64	2.02	1.11
18	2.16	3.17	3.63	3.40	4.30	4.88	2.27	2.90	2.32	.65	2.17	1.52
19	2.21	3.19	3.64	3.43	4.32	4.92	2.38	3.01	2.38	.72	2.29	1.68
20	2.26	3.22	3.67	3.50	4.35	4.95	2.48	3.11	2.46	.78	2.35	1.80
21	2.27	3.27	3.35	3.57	4.37	4.50	2.57	2.94	2.54	.95	2.29	1.86
22	2.29	3.31	3.88	3.62	4.37	4.06	2.63	1.20	2.58	1.03	2.45	1.90
23	2.32	3.29	3.86	3.65	4.37	3.95	2.75	1.38	2.70	1.22	2.50	1.97
24	2.36	3.31	2.94	3.69	4.38	3.93	2.79	1.69	2.75	1.45	2.45	1.99
25	2.40	3.34	3.05	3.71	4.41	3.92	1.86	1.88	2.80	1.35	2.56	2.04
26	2.45	3.37	3.15	3.65	4.44	3.91	2.04	2.01	2.53	1.60	2.60	2.05
27	2.48	3.40	3.22	3.70	4.46	3.95	2.26	2.15	2.16	1.69	2.64	2.06
28	2.50	3.42	3.30	3.74	4.46	4.00	2.45	2.25	1.77	1.74	2.69	2.06
29	2.56	....	2.47	3.77	4.48	4.07	2.60	2.03	1.85	1.80	2.71	2.09
30	2.61	....	2.55	3.81	4.48	4.12	2.71	1.92	2.03	1.85	2.74	1.01
31	2.65	....	2.66	....	4.49	....	2.82	2.05	....	1.90	....	.97

181. U. S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 26 S., R. 31 E., U. S. Highway 192, 9.3 miles southeast of St. Cloud. Records available: 1948-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.83	2.90	3.61	3.38	4.32	5.18	4.96	4.30	5.04	3.69	2.06	2.96
2	1.83	2.93	3.69	3.44	4.34	5.10	5.00	4.34	5.11	3.75	2.10	2.98
3	1.83	2.96	3.72	3.50	4.37	5.12	4.93	4.40	5.05	3.81	2.04	2.41
4	1.96	2.99	3.75	3.56	4.37	5.15	4.94	4.48	4.60	3.89	1.90	2.33
5	2.00	3.02	3.76	3.53	4.40	5.18	4.92	4.54	3.85	3.96	2.17	2.38
6	2.05	3.03	3.80	3.54	4.44	5.20	4.85	4.61	3.25	4.02	2.21	2.44
7	2.06	3.05	3.81	3.59	4.48	5.22	4.83	4.60	3.23	4.07	2.25	2.41
8	2.13	3.08	3.81	3.64	4.51	5.24	4.80	4.64	3.38	4.12	2.28	2.50
9	2.17	3.11	3.84	3.69	4.54	5.27	4.76	4.67	3.50	3.09	2.31	2.55
10	2.20	3.14	3.86	3.74	4.58	5.30	4.75	4.70	3.61	3.17	2.35	2.60
11	2.24	3.17	3.90	3.79	4.62	5.32	4.73	4.73	3.71	3.26	2.39	2.67
12	2.27	3.19	3.93	3.83	4.66	5.18	4.77	4.74	3.80	3.36	2.42	2.72
13	2.30	3.23	3.95	3.88	4.70	5.20	4.81	4.76	3.90	3.45	2.45	2.77
14	2.33	3.25	3.97	3.91	4.75	5.25	4.87	4.80	3.98	3.53	2.45	2.81
15	2.36	3.27	3.87	3.96	4.76	5.31	4.93	4.83	4.04	3.55	2.40	2.85
16	2.40	3.30	3.67	3.99	4.80	5.34	4.97	4.85	4.12	2.65	2.45	2.88
17	2.43	3.33	3.65	4.02	4.83	5.36	4.98	4.90	4.18	1.60	2.50	2.83
18	2.46	3.36	3.64	4.05	4.86	5.40	5.03	4.94	4.25	.12	2.55	2.87
19	2.50	3.38	3.68	4.08	4.90	5.42	5.09	4.98	4.30	.99	2.58	2.92
20	2.53	3.42	3.73	4.10	4.93	4.63	5.14	5.03	4.35	1.20	2.61	2.95
21	2.55	3.44	3.70	4.14	4.96	4.46	5.18	5.05	4.40	1.07	2.65	2.98
22	2.57	3.47	3.41	4.17	4.98	4.42	4.17	5.07	4.44	1.43	2.67	3.00
23	2.60	3.47	3.35	4.21	4.99	4.44	4.05	5.10	4.49	1.52	2.71	3.03
24	2.64	3.49	3.33	4.23	5.02	4.52	4.03	5.15	4.54	1.60	2.73	3.05
25	2.67	3.50	3.42	4.26	5.06	4.57	4.10	5.19	4.59	1.68	2.77	3.08
26	2.71	3.53	3.48	4.20	5.09	4.64	4.00	5.22	4.62	1.75	2.80	3.10
27	2.74	3.55	3.54	4.24	5.11	4.72	4.03	5.26	4.58	1.80	2.83	3.12
28	2.77	3.58	3.60	4.27	5.04	4.78	4.07	5.29	3.80	1.81	2.86	3.13
29	2.80		3.40	4.28	5.10	4.84	4.12	5.31	3.56	1.93	2.91	3.14
30	2.84		3.33	4.30	5.13	4.91	4.17	5.06	3.61	1.98	2.93	3.01
31	2.87		3.32		5.15		4.25	5.05		2.01		2.98

182. U. S. Geol. Survey. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 31 S., R. 32 E., Florida Highway 60, 4.3 miles east of Kissimmee River bridge. Records available: 1949-50. Sept. 28, 4.97; Sept. 29, 4.81; Sept. 30, 4.73.

Daily highest water level, from recorder graph

Day	Jan.	Mar.	Apr.	May	June	July	Aug.	Oct.	Nov.	Dec.
1	3.73	....	5.24	4.72	5.36	5.89	5.92	4.72	2.18	2.60
2	2.77	4.91	5.25	4.72	5.37	5.90	5.95	4.71	2.22	2.61
3	3.82	4.92	5.28	4.74	5.41	5.91	5.97	4.70	2.24	2.30
4	3.87	4.93	5.29	4.77	5.44	5.91	6.00	4.68	2.29	1.97
5	3.91	4.94	5.29	4.81	5.47	5.91	6.02	4.68	2.40	2.13
6	3.96	4.95	5.29	4.85	5.51	5.92	6.03	4.68	2.43	2.24
7	3.99	4.96	5.29	4.90	5.52	5.93	6.02	4.68	2.44	2.00
8	4.03	4.98	5.30	4.94	5.53	5.92	6.02	4.55	2.45	2.12
9	4.06	4.98	5.31	4.98	5.55	5.92	6.02	4.02	2.49	2.21
10	4.07	4.98	5.33	5.02	5.58	5.92	6.05	3.82	2.52	2.30
11	4.09	4.99	5.34	5.06	5.60	5.91	6.04	3.80	2.53	2.42
12	4.11	5.00	5.36	5.10	5.62	5.90	6.05	3.80	2.56	2.48
13	4.12	5.02	5.37	5.15	5.64	5.82	6.06	3.84	2.60	2.54
14	4.14	5.03	5.38	5.19	5.66	5.73	6.06	3.85	2.62	2.60
15	4.15	5.05	5.40	5.23	5.67	5.67	6.06	3.85	1.30	2.63
16	4.17	5.06	5.42	5.23	5.69	5.69	6.05	3.90	1.22	2.65
17	4.20	5.07	5.43	5.26	5.71	5.62	6.00	3.86	1.50	2.56
18	4.21	5.08	5.44	5.21	5.73	5.62	5.96	3.45	1.80	2.53
19	4.22	5.08	5.45	5.17	5.75	5.62	5.94	3.63	1.97	2.67
20	4.25	5.08	5.47	5.14	5.75	5.63	5.92	3.75	2.06	2.73
21	4.26	5.09	5.48	5.12	5.78	5.65	5.91	3.72	2.18	2.75
22	4.27	5.10	5.50	5.08	5.77	5.63	5.90	1.02	2.25	2.76
23	4.32	5.10	5.51	5.08	5.77	5.65	5.90	1.25	2.29	2.79
24	4.40	5.13	5.53	5.08	5.78	5.68	5.90	1.44	2.30	2.80
25	4.41	5.14	5.55	5.09	5.80	5.70	5.92	1.63	2.12	2.82
26	4.43	5.15	5.11	5.12	5.83	5.73	5.94	1.78	2.38	2.85
27	4.45	5.16	4.88	5.15	5.84	5.77	5.95	1.85	2.43	2.86
28	4.47	5.18	4.77	5.18	5.86	5.80	5.96	1.83	2.50	2.87
29	....	5.20	4.73	5.22	5.87	5.83	....	1.98	2.53	2.88
30	....	5.21	4.71	5.25	5.88	5.86	....	2.08	2.57	2.88
31	....	5.23		5.29		5.90	....	2.15		2.78

183. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 31 S., R. 33 E., 5.4 miles south of Kenansville, 5.3 miles north of State Highway 60 at intersection with "Old Pea Vine Trail." Records available: 1948-50. Oct. 30, 1.30; Oct. 31, 1.38.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Nov.	Dec.
1	1.99	3.11	3.51	3.93	4.31	3.52	4.47	3.95	3.36	1.46	1.56
2	2.03	3.13	3.55	3.95	4.31	3.56	4.42	3.97	3.40	1.48	1.57
3	2.04	3.15	3.55	3.97	4.33	3.62	4.36	4.00	3.35	1.52	.76
4	2.06	3.17	3.57	3.97	4.34	3.67	4.20	4.03	2.40	1.37	1.08
5	2.10	3.20	3.58	3.97	4.35	3.71	3.54	4.07	1.66	1.63	1.23
6	2.13	3.08	3.60	3.99	4.37	3.77	3.28	4.10	1.54	1.67	1.35
7	2.27	2.99	3.61	3.99	4.38	3.80	3.20	4.10	1.72	1.70	.87
8	2.35	3.01	3.62	4.00	4.40	3.85	2.88	4.06	1.82	1.74	1.22
9	2.42	3.02	3.64	4.02	4.41	3.88	2.82	4.00	2.01	1.76	1.33
10	2.46	3.13	3.65	4.02	4.42	3.93	2.79	3.62	2.15	1.80	1.47
11	2.50	3.18	3.66	4.04	4.44	3.95	2.83	3.09	2.26	1.83	1.60
12	2.53	3.21	3.68	4.05	4.45	4.00	2.92	3.00	2.38	1.86	1.62
13	2.67	3.23	3.70	4.05	4.47	4.03	2.98	3.00	2.47	1.87	1.68
14	2.60	3.25	3.70	4.06	4.50	4.07	3.07	3.05	2.55	1.90	1.70
15	2.65	3.27	3.72	4.08	4.51	4.10	3.14	3.10	2.63	.23	1.70
16	2.68	3.29	3.73	4.15	4.52	4.14	3.22	3.16	2.70	.61	1.70
17	2.72	3.31	3.75	4.18	4.53	4.18	3.28	3.24	2.78	.80	1.38
18	2.75	3.34	3.76	4.19	4.52	4.22	3.35	3.30	2.83	1.03	1.62
19	2.78	3.36	3.77	4.20	4.52	4.25	3.42	3.37	2.88	1.16	1.75
20	2.82	3.38	3.79	4.22	4.53	4.27	3.47	3.45	2.94	1.25	1.80
21	2.85	3.40	3.80	4.23	4.45	4.29	3.52	3.50	2.99	1.40	1.83
22	2.88	3.42	3.80	4.24	3.28	4.32	3.57	3.51	3.03	1.45	1.83
23	2.90	3.43	3.82	....	3.17	4.35	3.63	3.53	3.08	1.51	1.86
24	2.92	3.44	3.83	....	3.14	4.38	3.68	3.52	....	.40	1.87
25	2.95	3.45	3.85	....	3.15	4.40	3.72	3.50	....	.94	1.91
26	2.97	3.46	3.86	....	3.21	4.41	3.76	3.52	....	1.10	1.92
27	3.00	3.47	3.87	....	3.25	4.43	3.80	3.57	....	1.25	1.94
28	3.02	3.50	3.88	....	3.31	4.47	3.83	3.57	....	1.39	1.93
29	3.05	....	3.89	....	3.35	4.49	3.87	3.45	....	1.49	1.95
30	3.07	....	3.90	....	3.40	4.48	3.90	3.39	....	1.54	1.90
31	3.09	....	3.92	....	3.46	....	3.94	3.33	....	....	1.78

Palm Beach County

88. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, T. 44 S., R. 43 E. Records available: 1944-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.95	6.10	6.87	7.79	8.17	8.58	9.03	8.29	6.34	5.44	4.38	5.44
2	4.94	6.14	6.91	7.81	8.20	8.59	9.04	8.29	6.33	5.49	4.42	5.48
3	4.94	6.20	6.95	7.84	8.22	8.61	9.05	8.32	6.32	5.19	4.47	5.49
4	4.97	6.23	6.99	7.87	8.25	8.63	7.94	8.34	5.59	5.31	4.51	5.54
5	5.03	6.27	7.03	7.59	8.28	8.64	8.46	8.38	5.89	4.91	4.55	5.59
6	5.08	6.29	7.06	7.25	8.30	8.64	8.50	7.73	5.84	5.09	4.60	5.61
7	5.13	6.32	7.09	7.39	8.34	8.65	8.37	7.92	5.86	5.10	4.64	5.65
8	5.04	6.35	7.13	7.38	8.36	8.67	8.49	7.39	5.88	5.09	4.69	5.67
9	5.20	5.91	7.17	7.39	8.39	8.68	7.96	7.55	5.90	5.08	4.72	5.69
10	5.26	6.17	7.21	7.44	8.41	8.69	8.17	6.61	5.94	5.09	4.76	5.72
11	5.31	6.24	7.24	7.48	8.44	8.71	7.29	6.74	5.99	5.10	4.79	5.76
12	5.36	6.25	7.27	7.52	8.47	8.72	7.42	6.77	6.04	5.16	4.81	5.79
13	5.42	6.36	7.30	7.58	8.50	8.74	7.47	6.82	6.06	5.22	4.84	5.84
14	5.47	6.39	7.33	7.63	8.51	8.76	7.52	6.87	6.10	5.26	4.86	5.88
15	5.52	6.41	7.37	7.69	8.53	8.78	7.57	6.92	6.14	4.85	4.89	5.91
16	5.57	6.45	7.40	7.75	8.56	8.79	7.61	6.95	6.12	4.94	4.97	5.94
17	5.62	6.49	7.44	7.80	8.58	8.81	7.65	7.02	6.12	4.49	5.02	5.98
18	5.65	6.52	7.46	7.84	8.04	8.83	7.69	6.99	6.15	3.12	5.06	6.03
19	5.69	6.55	7.48	7.88	8.37	8.84	7.74	7.10	6.19	3.68	5.09	6.06
20	5.73	6.59	7.52	7.90	8.43	8.87	7.78	7.15	6.21	3.76	5.12	6.10
21	5.75	6.63	7.55	7.93	8.49	8.89	7.82	7.21	6.19	3.81	5.01	6.14
22	5.80	6.66	7.56	7.95	8.51	8.91	7.87	7.24	5.14	3.87	5.17	6.17
23	5.83	6.68	7.60	7.98	8.40	8.93	7.92	7.20	5.55	3.92	5.21	6.19
24	5.87	6.71	7.62	8.01	8.40	8.94	7.96	7.29	5.59	3.98	5.22	6.24
25	5.91	6.75	7.66	8.03	8.42	8.97	8.00	6.91	5.64	4.04	5.02	6.27

88--Continued.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	5.94	6.79	7.68	8.04	8.47	8.99	8.05	7.11	5.69	4.09	5.26	6.30
27	5.97	6.82	7.69	8.07	8.50	8.85	8.09	6.46	5.74	4.15	5.29	6.34
28	5.99	6.87	7.35	8.09	8.53	8.98	8.11	6.39	4.79	4.21	5.34	6.37
29	6.02		7.66	8.11	8.55	8.98	8.17	6.37	5.37	4.27	5.37	6.40
30	6.06		7.73	8.14	8.57	9.00	8.21	6.35	5.41	4.31	5.40	6.43
31	6.09		7.76		8.58		8.25	6.34		4.34		6.45

99. U. S. Geol. Survey. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 44 S., R. 43 E., northeast corner of Garden Ave. and Bradley St., West Palm Beach. Records available: 1948-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.36	6.47	7.28	7.95	8.22	8.35	8.68	7.73	5.98	5.36	3.93	5.17
2	5.35	6.51	7.30	7.97	8.24	8.36	8.69	7.75	6.03	5.43	3.98	5.21
3	5.34	6.54	7.33	7.99	8.25	8.37	8.70	7.78	5.98	5.38	4.01	5.23
4	5.38	6.56	7.36	8.00	8.26	8.38	8.25	7.80	5.50	5.43	4.05	5.28
5	5.43	6.59	7.38	7.95	8.28	8.40	8.23	7.82	5.46	5.13	4.07	5.33
6	5.48	6.60	7.40	7.83	8.29	8.41	8.05	7.78	5.48	4.95	4.16	5.39
7	5.53	6.63	7.43	7.84	8.32	8.40	7.99	7.68	5.55	4.93	4.19	5.43
8	5.58	6.67	7.46	7.88	8.34	8.43	7.91	6.88	5.61	4.95	4.23	5.45
9	5.65	6.70	7.48	7.90	8.35	8.43	7.68	6.38	5.68	4.99	4.25	5.48
10	5.68	6.73	7.50	7.94	8.38	8.45	7.40	6.06	5.75	5.05	4.29	5.51
11	5.73	6.76	7.53	7.97	8.40	8.43	7.17	6.07	5.81	5.09	4.33	5.56
12	5.76	6.80	7.56	7.99	8.41	8.43	7.07	6.10	5.86	5.18	4.37	5.59
13	5.81	6.83	7.58	8.01	8.41	8.45	7.04	6.17	5.81	5.23	4.41	5.64
14	5.86	6.86	7.60	8.03	8.43	8.46	7.04	6.23	5.88	5.28	4.46	5.68
15	5.91	6.90	7.63	8.04	8.43	8.48	7.05	6.28	5.93	4.93	4.50	5.73
16	5.96	6.93	7.68	8.06	8.43	8.50	7.08	6.33	5.43	4.85	4.55	5.76
17	5.99	6.96	7.68	8.07	8.44	8.53	7.12	6.38	5.35	4.68	4.59	5.79
18	6.03	6.99	7.70	8.08	8.45	8.53	7.17	6.43	5.39	3.78	4.63	5.83
19	6.07	7.03	7.71	8.10	8.47	8.56	7.21	6.48	5.46	3.79	4.68	5.87
20	6.12	7.05	7.73	8.12	8.48	8.56	7.26	6.53	5.53	3.83	4.73	5.92
21	6.15	7.09	7.76	8.14	8.50	8.56	7.28	6.58	5.63	3.88	4.77	5.96
22	6.18	7.11	7.76	8.16	8.50	8.58	7.31	6.63	5.65	3.53	4.82	5.98
23	6.22	7.09	7.78	8.17	8.41	8.59	7.37	6.65	5.70	3.45	4.84	6.02
24	6.26	7.13	7.80	8.19	8.37	8.60	7.43	6.67	5.78	3.48	4.87	6.04
25	6.28	7.16	7.83	8.10	8.38	8.63	7.46	6.69	5.87	3.55	4.91	6.09
26	6.31	7.19	7.85	8.08	8.41	8.63	7.50	6.68	5.88	3.61	4.95	6.14
27	6.33	7.23	7.87	8.09	8.45	8.64	7.55	6.61	5.92	3.68	4.98	6.18
28	6.35	7.25	7.88	8.14	8.35	8.67	7.58	6.13	5.37	3.71	5.03	6.21
29	6.38		7.89	8.19	8.35	8.66	7.61	5.95	5.26	3.78	5.08	6.27
30	6.42		7.91	8.20	8.35	8.66	7.65	5.91	5.29	3.83	5.13	6.29
31	6.45		7.93		8.35		7.69	5.93		3.88		6.33

300. U. S. Geol. Survey. Sec. 32, T. 43 S., R. 41 E. Previously reported as G300. Records available: 1941-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	4.36	Apr. 8	4.36	July 22	3.28	Oct. 14	3.40
14	4.32	15	3.56	29	4.12	21	1.84
21	4.50	22	3.56	Aug. 5	4.38	28	2.72
28	4.02	29	3.42	12	4.96	Nov. 4	3.28
Feb. 4	4.56	May 6	4.32	19	4.68	11	4.12
11	4.32	13	4.32	26	4.60	18	3.68
18	4.46	20	4.68	Sept. 2	4.68	25	4.06
25	5.42	27	5.40	9	4.82	Dec. 2	4.62
Mar. 4	5.24	June 3	4.68	16	4.36	9	3.68
11	4.68	10	5.26	23	3.96	16	4.20
18	4.80	July 8	3.38	30	3.84	23	4.42
25	4.84	15	4.02	Oct. 7	4.60	30	4.30
Apr. 1	4.80						

Pinellas County

13. U. S. Geol. Survey. Near SE corner $SE\frac{1}{4}NE\frac{1}{4}$ sec. 13, T. 27 S., R. 15 E., 0.6 mile southeast of Tarpon Springs, on south edge of city dump. Records available: 1947-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.54	9.61	9.56	9.65	9.70	9.67	9.73	8.56	8.64	....	9.09	9.50
2	9.54	9.60	9.84	9.60	9.68	9.66	9.75	8.57	8.65	....	9.07	9.45
3	9.45	9.63	9.77	9.55	9.65	9.65	9.75	8.56	8.72	....	9.02	9.33
4	9.53	9.67	9.71	9.43	9.65	9.56	9.73	8.56	8.65	....	8.94	9.40
5	9.65	9.67	9.70	9.37	9.67	9.55	9.70	8.58	7.92	....	9.17	9.37
6	....	9.63	9.68	9.75	9.55	9.68	9.65	8.60	....	....	9.19	9.33
7	9.57	9.55	9.53	9.76	9.63	9.70	9.56	8.62	....	....	9.42	9.39
8	9.63	9.59	9.50	9.70	9.68	9.67	9.42	8.65	....	....	9.52	9.48
9	9.48	9.57	9.72	9.65	9.73	9.70	9.25	8.67	....	....	9.59	9.43
10	9.44	9.55	9.67	9.57	9.75	9.65	9.18	8.67	....	....	9.65	9.38
11	9.49	9.58	9.55	9.57	9.67	9.65	9.12	8.67	....	....	9.65	9.35
12	9.45	9.60	9.52	9.55	9.70	9.67	9.07	8.63	....	....	9.68	9.35
13	9.49	9.45	9.48	9.54	9.70	9.72	9.00	8.62	....	....	9.70	9.37
14	9.52	9.42	9.61	9.64	9.60	9.70	8.95	8.63	....	....	9.67	9.33
15	9.50	9.57	9.55	9.65	9.50	9.65	8.88	8.62	....	....	9.58	9.31
16	9.55	9.70	9.50	9.70	9.60	9.66	8.82	8.62	....	....	9.45	9.33
17	9.68	9.70	9.60	9.62	9.65	9.63	8.78	8.60	....	....	9.38	9.34
18	9.55	9.68	9.58	9.60	9.65	9.65	8.72	8.60	....	....	9.02	9.42
19	9.53	9.65	9.60	9.60	9.62	9.73	8.68	8.61	....	....	8.87	9.38
20	9.67	9.67	9.59	9.63	9.58	9.70	8.65	8.62	....	....	8.80	9.36
21	9.65	9.63	9.57	9.70	9.60	9.70	8.65	8.67	....	....	8.77	9.45
22	9.64	9.31	9.50	9.70	9.55	9.76	8.62	8.67	....	....	8.81	9.40
23	9.56	9.54	9.63	9.62	9.62	9.75	8.63	8.70	....	....	8.82	9.44
24	9.55	9.62	9.57	9.54	9.65	9.72	8.64	8.72	....	....	8.85	9.37
25	9.55	9.70	9.55	9.57	9.64	9.75	8.62	8.75	....	....	8.88	9.55
26	9.60	9.65	9.55	9.62	9.65	9.75	8.65	8.75	....	....	8.92	9.52
27	9.55	9.77	9.46	9.67	9.70	9.70	8.63	8.72	....	....	8.94	9.50
28	9.58	9.70	9.38	9.65	9.70	9.72	8.60	8.65	....	....	8.97	9.52
29	9.56	....	9.54	9.68	9.67	9.60	8.57	8.68	....	....	9.01	9.55
30	9.63	....	9.68	9.75	9.65	9.63	8.55	8.62	....	....	9.05	9.51
31	9.60	....	9.72	....	9.58	....	8.56	8.59	....	....	9.08	9.47

77. F. Duguid. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 28 S., R. 15 E., about 0.8 mile southeast of Palm Harbor, 0.52 mile east of county road 1, 0.2 mile north of State Highway 584. Records available: 1947-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	65.33	66.10	66.00	65.95	65.90	65.90	65.65	64.87	64.09	64.43	64.80	65.24
2	65.80	66.20	66.35	65.55	66.10	66.00	65.44	64.90	64.16	64.41	64.72	65.17
3	65.57	66.20	66.30	65.40	66.40	65.90	65.37	64.86	64.33	64.39	64.60	64.88
4	65.81	66.35	65.85	....	66.50	65.57	65.38	64.82	64.43	64.30	64.47	64.85
5	65.75	65.83	65.85	65.18	66.60	65.72	65.39	64.81	63.32	64.32	64.83	65.04
6	....	66.70	65.80	65.60	66.40	65.88	65.35	64.82	63.07	64.49	65.03	65.00
7	66.05	66.45	65.55	65.89	65.80	66.02	65.32	64.97	63.35	64.48	65.07	64.90
8	65.70	66.40	65.60	65.80	66.25	66.15	65.27	65.01	63.41	64.38	65.07	65.20
9	66.00	66.30	65.90	65.65	66.00	66.18	65.14	65.01	63.39	64.25	65.05	65.21
10	65.98	66.25	65.87	65.50	66.20	65.95	65.09	64.92	63.38	64.29	65.04	65.05
11	66.08	65.90	65.60	65.42	66.20	65.53	65.12	64.90	63.41	64.34	65.05	65.04
12	66.45	65.65	65.50	65.36	66.30	65.70	65.11	64.88	63.49	64.37	65.03	64.99
13	66.05	66.00	65.40	65.30	66.40	65.73	65.07	64.85	63.64	64.41	65.13	65.07
14	65.90	66.20	65.69	65.40	65.60	65.85	65.03	64.85	63.74	64.58	65.12	65.06
15	65.44	66.00	65.50	65.56	65.58	65.82	65.02	64.83	63.80	64.68	65.11	64.98
16	65.55	....	65.30	65.75	65.45	65.85	65.00	64.82	63.88	64.90	65.00	64.98
17	65.90	66.45	65.52	65.60	65.64	65.72	65.00	64.79	64.02	64.90	64.90	65.00
18	65.92	66.05	65.55	65.45	65.71	65.55	65.01	64.78	64.19	64.63	65.01	65.19
19	65.93	65.80	65.59	65.33	65.63	66.10	64.96	64.73	64.30	64.40	64.96	65.30
20	66.50	66.25	65.48	65.41	65.65	66.10	64.93	64.72	64.35	64.27	64.89	65.31
21	66.50	66.45	65.46	65.70	65.48	65.95	64.89	64.85	64.34	64.09	65.06	65.34
22	65.82	66.20	65.45	65.80	65.80	65.90	64.83	64.85	64.35	64.24	65.00	65.30
23	65.95	66.00	65.54	65.70	65.90	65.92	64.81	64.91	64.33	64.35	65.00	65.28
24	65.90	66.10	65.64	65.50	65.89	65.85	64.85	65.10	64.35	64.45	64.95	65.20
25	66.00	65.92	65.55	65.50	65.83	65.79	64.86	65.13	64.54	64.54	65.06	65.17

77--Continued.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	66.08	65.77	65.50	65.52	65.86	65.73	64.81	64.98	64.75	64.64	65.30	65.12
27	66.02	66.60	65.30	65.68	65.88	65.70	64.79	64.65	64.79	64.68	65.15	65.09
28	66.10	66.50	65.10	65.90	65.81	65.90	64.72	64.39	64.79	64.69	65.22	65.11
29	65.62		65.05	65.80	65.90	65.87	64.64	64.23	64.61	64.75	65.32	65.05
30	66.15		65.21	65.60	65.92	65.80	64.64	64.09	64.48	64.83	65.30	64.96
31	66.20		65.70		65.85		64.73	64.00		64.88		65.15

166. Juice Industries, Inc. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 28 S., R. 15 E., in Dunedin, 1 block north of Main Street, east side of Atlantic Coast Line Railroad, at south platform of south plant of Juice Industries, Inc. Records available: 1948-50. June 29, high, 12.80, low, 13.95; June 30, high 12.57, low, 14.20; Oct. 31, high, 8.91, low, 11.31.

Daily high and low water levels, from recorder graph

Day	January		February		March		April		May	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	11.63	13.39	12.26	14.58	12.78	15.00	12.36	14.48	12.91	15.86
2	11.70	14.09	12.34	14.73	12.83	14.86	12.25	14.53	13.36	15.98
3	11.86	14.09	12.42	14.65	12.68	15.12	12.12	14.54	13.46	16.20
4	11.86	14.22	12.55	14.65	12.85	15.53	.....	.....	13.60	16.15
5	12.06	14.44	12.20	14.19	12.97	14.91	12.21	13.46	13.69	16.08
6	.....	.....	12.10	14.46	12.34	14.60	12.24	13.58	13.70	15.98
7	11.10	13.55	12.17	14.48	12.28	13.86	12.35	13.95	13.83	15.76
8	11.18	12.99	12.66	14.65	12.23	13.76	12.35	14.10	13.45	15.66
9	10.93	13.23	12.55	14.61	12.34	13.87	12.05	14.43	13.45	14.70
10	11.10	13.35	12.94	14.67	12.35	13.85	11.96	14.12	13.55	15.64
11	11.26	13.58	12.65	14.65	12.46	14.02	12.41	14.33	13.73	15.83
12	11.39	13.58	12.35	14.29	12.20	13.89	12.35	14.48	13.79	16.13
13	11.51	13.58	12.30	14.31	12.12	13.94	12.35	14.58	13.74	16.20
14	11.75	13.65	12.49	14.59	12.23	14.04	12.49	14.39	13.30	15.18
15	11.12	12.97	12.37	14.11	12.27	14.25	12.31	14.57	12.95	14.81
16	11.12	13.49	12.43	14.50	12.06	14.01	12.50	14.57	13.00	14.23
17	11.31	13.81	12.46	14.65	12.66	14.29	12.45	14.82	12.76	14.45
18	11.36	13.80	12.72	14.71	12.15	14.08	12.48	14.76	13.14	14.93
19	11.44	13.79	12.48	14.63	12.06	14.62	12.53	14.84	13.08	15.35
20	11.41	13.83	12.34	14.64	11.80	13.54	12.65	14.98	13.19	15.64
21	11.53	13.78	12.43	14.86	11.98	14.41	12.79	14.99	13.25	15.10
22	11.53	13.29	12.44	14.67	12.28	13.45	12.85	15.25	12.77	15.36
23	11.29	13.45	12.49	13.95	12.19	13.54	13.25	14.79	.....	.....
24	11.40	13.76	12.53	14.18	12.17	14.05	13.11	14.95	.....	.....
25	11.63	13.90	12.57	14.35	12.19	14.08	12.59	14.71	.....	.....
26	11.86	14.36	12.57	14.35	12.18	13.28	12.85	14.67	.....	.....
27	12.35	14.13	12.53	14.45	12.01	13.87	12.95	15.18	.....	.....
28	12.35	14.13	12.72	15.02	12.32	14.19	13.28	15.41	.....	.....
29	11.83	13.72			12.20	13.46	13.26	15.56	.....	.....
30	11.83	14.09			12.25	14.24	13.09	15.33	.....	.....
31	12.26	14.30			12.38	14.51			.....	.....

Daily high and low water levels, from recorder graph

Day	July		August		September		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	12.70	14.43	9.77	11.42	9.25	10.50	8.96	11.33	10.25	12.78
2	12.29	13.45	9.73	11.23	9.24	10.63	8.93	11.20	10.53	12.87
3	11.92	13.31	9.86	11.46	9.13	10.32	8.90	11.34	10.30	11.87
4	11.95	13.09	9.98	11.88	8.57	10.08	8.83	10.27	10.16	11.74
5	11.90	13.22	9.79	11.31	.....	.....	9.04	10.32	10.39	12.19
6	11.73	13.04	9.92	11.62	.....	.....	9.12	10.86	10.22	11.66
7	11.60	12.90	10.03	12.28	.....	.....	9.23	10.79	10.23	11.62
8	11.37	12.71	10.10	12.43	.....	.....	9.26	10.85	10.24	12.00
9	11.07	12.38	10.03	12.56	.....	.....	9.25	10.86	10.22	11.89
10	11.08	12.55	10.00	11.37	.....	.....	9.25	10.87	10.01	11.78
11	10.95	12.25	9.99	11.48	.....	.....	9.19	10.90	9.91	11.85
12	10.79	12.15	9.98	11.58	.....	.....	9.17	10.83	10.15	11.90
13	10.64	12.08	9.93	11.57	.....	.....	9.19	11.70	10.16	11.93
14	10.37	11.84	10.17	12.58	.....	.....	9.30	11.84	10.30	11.93
15	10.29	11.73	10.27	12.89	.....	.....	9.33	11.81	10.40	11.96
16	10.33	11.45	10.08	12.20	.....	.....	9.33	11.90	10.58	11.92
17	10.33	11.58	9.98	11.57	.....	.....	9.40	11.63	.....	.....
18	10.26	11.60	9.98	11.63	.....	.....	9.56	11.06	.....	.....

166--Continued.

Daily high and low water levels, from recorder graph

Day	July		August		September		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low
19	10.16	11.53	9.94	11.58	.....	.....	9.46	10.88	.....	.....
20	10.16	11.54	10.00	11.55	.....	.....	9.56	11.83	.....	.....
21	10.08	11.54	10.09	12.59	.....	.....	9.68	11.21	.....	.....
22	9.92	11.10	10.39	13.04	.....	.....	9.69	11.24	.....	.....
23	9.78	11.15	10.47	12.82	.....	.....	9.71	11.20	.....	.....
24	9.81	11.18	10.40	11.93	.....	.....	9.61	11.86	.....	.....
25	9.79	11.19	10.36	12.05	.....	.....	9.61	11.34	.....	.....
26	9.76	11.23	10.22	12.70	.....	.....	10.07	11.60	.....	.....
27	9.68	11.12	9.81	11.04	.....	.....	9.83	11.40	.....	.....
28	9.65	11.22	9.67	10.99	.....	.....	9.88	11.75	.....	.....
29	9.61	11.06	9.33	10.89	.....	.....	10.15	11.80	.....	.....
30	9.61	11.05	9.45	10.71	.....	.....	10.18	12.60	.....	.....
31	9.84	11.45	9.21	10.50	.....	.....	.....	.....	.....	.....

246. City of Clearwater. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 29 S., R. 15 E., on east side of Garden Ave., 200 feet south of Marshall St. Records available: 1946-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	26.64	26.63	26.43	26.50	26.63	26.32	25.77	24.80	25.27	25.61	26.04
2	.....	26.66	26.82	26.24	26.60	26.78	26.28	25.78	24.90	25.27	25.52	25.96
3	.....	26.71	26.85	26.09	26.70	26.73	26.17	25.73	25.05	25.28	25.35	25.62
4	.....	26.78	26.77	.....	26.80	26.53	26.13	25.76	24.88	25.19	25.23	25.53
5	.....	26.71	26.64	25.95	26.85	26.44	26.11	25.76	24.00	25.23	25.70	25.73
6	.....	26.71	26.47	26.35	26.85	26.70	26.07	25.73	24.17	25.42	25.88	25.65
7	26.12	26.63	26.26	26.60	26.80	26.85	25.96	25.88	24.55	25.43	25.85	25.64
8	26.35	26.72	26.15	26.50	26.80	26.70	25.88	25.95	24.73	25.28	25.80	25.96
9	26.22	26.75	26.49	26.30	26.83	26.62	25.75	25.94	24.75	25.08	25.75	25.87
10	26.14	26.70	26.53	26.13	26.80	26.54	25.68	25.87	24.75	25.11	25.78	25.74
11	26.17	26.68	26.40	26.11	26.87	26.35	25.73	25.88	24.80	25.17	25.73	25.77
12	26.33	26.50	26.20	26.04	26.90	26.30	25.73	25.86	24.87	25.23	25.72	25.64
13	26.38	26.30	26.07	25.98	26.87	26.33	25.73	25.85	25.00	25.34	25.77	25.76
14	26.36	26.31	26.22	26.09	26.65	26.38	25.76	25.85	25.07	25.52	25.85	25.72
15	26.25	26.50	26.25	26.25	26.50	26.43	25.77	25.89	25.10	25.62	25.85	25.60
16	26.21	26.66	26.06	26.40	26.35	26.49	25.75	25.87	25.12	25.88	25.72	25.60
17	26.37	26.85	26.19	26.30	26.28	26.54	25.76	25.77	25.23	25.71	25.65	25.61
18	26.40	26.92	26.22	26.20	26.33	26.52	25.75	25.79	25.39	25.35	25.77	25.89
19	26.41	26.73	26.24	26.10	26.43	26.54	25.72	25.77	25.54	25.18	25.67	26.01
20	26.58	26.70	26.14	26.20	26.47	26.68	25.70	25.68	25.51	24.94	25.62	26.03
21	26.66	26.76	26.17	26.50	26.24	26.70	25.67	25.78	25.48	24.78	25.84	26.05
22	26.54	26.53	26.10	26.60	26.45	26.62	25.64	25.95	25.43	24.97	25.81	25.98
23	26.45	26.47	26.27	26.45	26.58	26.60	25.60	26.04	25.35	25.13	25.80	25.95
24	26.48	26.56	26.25	26.30	26.54	26.52	25.61	25.92	25.35	25.28	25.72	25.87
25	26.64	26.66	26.20	26.26	26.50	26.46	25.65	25.78	25.54	25.41	26.03	25.81
26	26.73	26.58	26.14	26.30	26.60	26.45	25.63	25.73	25.72	25.50	26.12	25.75
27	26.70	26.82	25.83	26.35	26.66	26.50	25.62	25.44	25.74	25.53	25.94	25.75
28	26.64	26.85	25.75	26.50	26.62	26.32	25.52	25.14	25.63	25.55	26.04	25.80
29	26.47	.....	25.92	26.53	26.57	26.21	25.46	25.00	25.44	25.59	26.15	25.70
30	26.45	.....	26.37	26.50	26.60	26.20	25.49	24.80	25.31	25.70	26.09	25.62
31	26.60	.....	26.65	.....	26.55	.....	25.62	24.70	.....	25.68	.....	25.85

269. City of Clearwater. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 29 S., R. 15 E., in Clearwater, 200 feet north of Cleveland St., between Lady Mary Drive and Evergreen Ave., 10 feet east of Stevenson Creek. Records available: 1930, 1947-50.

Daily high and low water levels, from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	8.33	10.63	9.39	12.40	9.52	12.54	7.90	11.27	8.32	12.78	9.64	12.99
2	7.91	11.13	9.24	12.45	9.42	12.29	8.00	10.79	8.75	12.82	9.48	13.30
3	8.04	10.97	9.46	12.42	9.36	12.54	7.90	11.42	8.84	12.78	9.20	12.20
4	7.80	11.02	9.42	12.46	9.35	12.76	.....	.....	9.00	12.96	8.92	11.59
5	8.03	11.13	9.44	11.80	8.92	11.90	7.25	10.04	9.00	13.04	8.33	12.83
6	.....	.....	9.19	12.43	9.17	12.28	6.99	9.84	9.12	12.80	8.98	13.35
7	8.20	11.09	9.50	12.55	8.50	10.40	7.43	10.84	9.10	12.08	9.53	13.18
8	8.30	9.96	9.59	12.75	8.15	9.96	7.63	11.03	8.80	12.83	9.13	11.46
9	8.26	11.42	9.70	12.81	8.18	9.91	7.59	10.71	8.71	11.38	9.24	12.00
10	8.82	11.52	9.43	12.77	7.89	10.50	7.34	11.45	8.41	12.50	8.84	11.46

269--Continued.

Daily high and low water levels, from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
11	8.90	11.19	9.64	12.41	8.50	10.90	8.60	11.48	9.00	13.02	8.80	10.50
12	9.15	11.60	9.37	11.83	8.30	10.67	8.16	11.14	9.05	13.16	8.72	10.98
13	9.48	11.60	9.04	12.32	8.37	11.08	7.93	11.18	9.19	13.05	8.40	10.38
14	9.61	11.62	8.96	12.32	8.40	10.63	8.20	11.00	9.10	11.95	8.33	11.15
15	8.89	11.18	....	....	8.40	11.26	7.63	10.90	8.34	11.52	8.71	11.67
16	8.54	11.89	9.27	12.20	8.38	10.61	7.85	11.15	8.36	9.67	8.51	12.38
17	8.60	11.77	9.56	12.30	8.12	10.80	7.86	11.88	8.03	9.60	9.08	12.28
18	8.53	11.97	9.93	12.57	8.30	10.38	8.68	11.46	7.58	11.20	9.12	11.73
19	9.71	12.09	9.55	12.06	8.14	9.62	8.16	10.71	8.13	11.67	8.71	12.71
20	8.80	12.01	9.28	12.55	7.90	9.90	8.28	11.51	8.12	12.00	9.15	12.65
21	9.03	11.78	8.95	12.74	8.04	10.62	8.53	11.78	8.36	11.50	9.03	11.79
22	8.89	11.45	9.32	11.86	7.86	9.22	8.61	12.12	8.16	12.58	8.52	11.38
23	8.92	11.78	8.90	10.95	7.55	9.77	9.01	11.53	8.68	12.30	9.04	11.50
24	9.12	11.98	9.03	11.18	8.09	10.68	8.60	12.14	8.47	10.12	8.51	10.14
25	9.69	12.18	9.00	11.57	8.35	11.11	8.34	11.70	8.41	10.40	8.24	11.18
26	9.48	12.21	8.99	11.40	8.40	10.20	9.16	10.98	8.74	12.14	8.52	12.26
27	9.73	12.02	9.05	12.37	7.76	10.56	8.08	11.90	8.50	12.30	8.90	11.07
28	9.84	12.18	9.19	12.80	8.24	10.60	8.37	12.30	8.98	11.93	8.75	10.04
29	9.28	11.31	....	....	7.75	9.25	8.47	12.30	9.02	12.50	8.20	9.58
30	9.12	12.12	....	....	7.49	9.81	8.64	11.62	8.90	12.59	8.21	10.88
31	8.80	12.23	....	....	7.74	11.08	....	....	8.80	12.38	....	....

Daily high and low water levels, from recorder graph

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	8.47	11.16	7.70	10.45	6.28	7.50	....	....	7.19	10.81	7.57	10.96
2	8.30	9.78	7.62	10.15	6.32	7.50	....	....	7.21	10.84	7.91	11.02
3	7.69	9.32	7.33	10.49	6.19	7.29	....	....	7.32	10.55	7.05	9.78
4	7.50	9.26	7.76	11.27	4.35	7.49	....	....	6.78	8.00	6.57	8.54
5	7.27	9.42	7.97	10.20	....	....	....	....	6.55	7.73	6.72	8.75
6	7.57	8.32	7.50	10.46	....	....	....	....	6.90	8.94	6.91	9.00
7	7.70	8.90	8.02	11.00	....	....	....	....	6.96	10.14	6.61	7.76
8	7.42	9.32	7.76	10.79	....	....	....	....	6.92	10.65	6.55	8.32
9	7.32	7.93	7.87	10.87	....	....	....	....	7.24	10.75	6.61	7.84
10	7.02	7.78	8.44	11.00	....	....	....	....	7.40	10.89	6.58	9.39
11	7.02	8.11	8.43	11.09	....	....	....	....	7.26	10.80	6.55	9.04
12	7.14	8.83	8.43	11.07	....	....	....	....	7.10	10.34	6.58	8.56
13	7.21	9.24	8.46	10.89	....	....	....	....	7.03	10.66	6.41	9.49
14	7.29	9.03	8.27	11.43	....	....	....	....	7.33	11.04	6.60	9.58
15	7.30	9.36	8.34	11.76	....	....	....	....	7.65	10.89	6.92	8.01
16	7.00	8.13	8.47	11.21	....	....	....	....	7.16	10.79	6.91	7.98
17	6.78	8.51	8.20	11.13	....	....	....	....	7.30	10.90	6.70	7.90
18	6.79	9.10	8.23	11.50	....	....	....	....	7.19	8.86	6.39	8.16
19	6.90	9.54	8.59	10.73	....	....	....	....	7.21	10.00	6.68	8.68
20	7.04	9.76	8.23	10.76	....	....	....	....	6.92	10.75	6.71	9.15
21	7.10	10.09	8.56	11.85	....	....	5.73	7.60	7.12	9.60	6.80	9.49
22	7.08	9.32	8.80	12.07	....	....	5.88	8.60	7.07	10.79	6.79	9.94
23	6.61	8.55	9.00	11.96	....	....	6.01	9.58	7.30	10.41	6.97	9.76
24	6.85	8.59	8.38	10.41	....	....	6.35	9.93	7.06	10.68	7.06	9.64
25	6.90	8.73	8.18	10.30	....	....	6.61	10.30	7.04	8.78	6.84	8.96
26	6.88	8.99	8.20	10.76	....	....	6.73	10.30	7.41	8.29	6.55	10.04
27	7.31	8.97	6.99	8.40	....	....	6.84	10.49	6.96	10.29	7.23	10.36
28	6.83	8.55	6.72	8.45	....	....	6.95	10.28	7.11	10.19	7.01	9.13
29	7.20	8.83	6.63	7.77	....	....	6.90	9.67	7.29	10.64	6.79	10.01
30	7.50	9.41	....	....	....	....	7.46	10.70	7.32	10.89	6.74	8.36
31	7.33	10.38	5.86	7.28	....	....	7.60	10.76	....	....	6.45	8.62

337. Coachman Packing Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 29 S., R. 16 E., about 0.28 mile northeast of Coachman, about 600 feet northwest of State Highway 590. Records available: 1947-50. Measurement discontinued.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	Day	Jan.	Feb.	Mar.	Apr.
1	44.08	45.01	45.15	44.42	6	....	45.03	44.88	44.22
2	43.95	45.10	45.15	44.30	7	43.93	45.07	44.65	44.44
3	43.92	45.13	45.20	44.19	8	44.17	45.13	44.48	44.46
4	43.90	45.06	45.13	44.14	9	44.19	45.18	44.55	44.38
5	43.02	44.97	44.94	44.06	10	44.16	45.20	44.60	44.28

337--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	Day	Jan.	Feb.	Mar.	Apr.
11	44.17	45.15	44.54	44.20	22	44.65	45.13	44.14	44.62
12	44.25	44.88	44.37	44.16	23	44.67	45.07	44.23	44.52
13	44.34	44.93	44.24	44.13	24	44.78	45.17	44.27	44.44
14	44.35	44.95	44.25	44.15	25	44.95	45.10	44.24	44.44
15	44.29	45.05	44.26	44.23	26	45.05	44.89	44.17	44.49
16	44.28	.....	44.13	44.36	27	45.07	45.12	44.00	44.58
17	44.43	45.20	44.20	44.39	28	45.04	45.25	43.89	.....
18	44.48	45.26	44.22	44.33	29	44.80		43.95	.....
19	44.58	45.10	44.25	44.26	30	44.87		44.20	.....
20	44.70	45.20	44.20	44.31	31	45.05		44.45	
21	44.74	45.26	44.17	44.49					

561. City of St. Petersburg. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 30 S., R. 16 E., about 2.6 miles northeast of Pinellas Park, about 1 mile northeast of intersection of 74th Ave. N. with State Highway 600, about 700 feet south of State Highway 600. Records available: 1947-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.64	2.95	2.98	2.88	2.77	2.74	2.50	2.08	1.18	1.95	2.15	2.62
2	2.44	2.98	3.10	2.58	2.79	2.88	2.53	2.12	1.29	1.93	2.04	2.55
3	2.34	3.03	3.25	2.40	2.83	2.90	2.46	2.09	1.38	1.92	1.88	2.22
4	2.22	3.14	3.17	2.25	2.94	2.73	2.44	2.06	1.22	1.80	1.75	2.07
5	2.31	3.17	3.04	2.15	3.01	2.63	2.37	2.04	.27	1.82	2.22	2.31
6	....	3.10	2.87	2.63	3.03	2.80	2.33	2.03	.47	1.99	2.50	2.20
7	2.51	3.00	2.70	2.95	3.03	2.89	2.21	2.13	1.08	2.01	2.44	2.08
8	2.89	3.03	2.66	2.79	3.04	2.88	2.13	2.22	1.32	1.85	2.35	2.43
9	2.84	3.07	2.97	2.63	3.17	2.80	2.03	2.20	1.40	1.66	2.26	2.37
10	2.66	3.00	3.10	2.44	3.23	2.77	1.93	2.13	1.42	1.67	2.27	2.16
11	2.63	2.96	2.90	2.35	3.23	2.62	2.04	2.10	1.47	1.72	2.24	2.12
12	2.73	2.89	2.62	2.25	3.16	2.57	2.11	2.09	1.52	1.72	2.23	2.03
13	2.76	2.67	2.45	2.18	3.08	2.58	2.12	2.05	1.62	1.76	2.28	2.07
14	2.77	2.58	2.53	2.25	2.97	2.65	2.12	2.03	1.67	1.97	2.34	2.12
15	2.71	2.75	2.62	2.46	2.78	2.64	2.12	2.03	1.67	2.09	2.38	2.01
16	2.62	3.03	2.39	2.78	2.75	2.63	2.12	1.96	1.68	2.28	2.30	2.00
17	2.67	3.23	2.55	2.66	2.68	2.65	2.13	1.93	1.84	2.30	2.17	2.00
18	2.73	3.34	2.64	2.44	2.72	2.65	2.13	1.93	2.00	1.90	2.29	2.25
19	2.75	3.32	2.69	2.33	2.72	2.70	2.11	1.87	2.13	1.60	2.30	2.42
20	2.93	3.15	2.59	2.44	2.67	2.77	2.07	1.85	2.13	1.53	2.14	2.42
21	3.07	3.18	2.56	2.72	2.65	2.79	2.01	1.85	2.05	1.25	2.25	2.43
22	3.05	2.90	2.54	2.86	2.70	2.79	1.98	1.92	1.98	1.46	2.29	2.36
23	2.97	2.78	2.66	2.74	2.73	2.81	1.97	1.98	1.90	1.58	2.28	2.26
24	2.88	3.03	2.69	2.56	2.77	2.78	2.00	1.98	1.89	1.69	2.24	2.18
25	2.95	3.15	2.58	2.52	2.80	2.75	2.03	1.94	2.08	1.80	2.43	2.11
26	3.03	3.08	2.48	2.57	2.81	2.70	2.00	1.93	2.28	1.93	2.67	2.07
27	3.05	3.23	2.24	2.65	2.79	2.67	1.98	1.79	2.30	1.98	2.53	1.99
28	3.00	3.27	2.09	2.74	2.81	2.57	1.89	1.55	2.22	2.02	2.54	2.04
29	2.95		2.25	2.77	2.75	2.45	1.85	1.42	2.04	2.12	2.70	1.99
30	2.87		2.78	2.77	2.72	2.44	1.87	1.27	1.98	2.22	2.67	1.91
31	2.95		3.10		2.67		1.97	1.08		2.23		2.14

Polk County

44. P. E. Williams. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, T. 26 S., R. 27 E. 2.5 miles northwest of Davenport and 1.5 miles west of U. S. Highway 17. Records available: 1946-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.28	2.06	2.47	2.15	2.21	2.86	2.79	2.71	2.97	1.62	0.99	....
2	1.30	2.07	2.53	2.17	2.30	2.88	2.72	2.68	3.00	1.66	.99	1.66
3	1.33	2.08	2.52	2.19	2.37	2.90	2.65	2.66	2.98	1.66	1.02	1.88
4	....	2.09	2.54	2.20	2.40	2.90	2.65	2.70	2.65	1.63	1.05	1.32
5	1.40	2.07	2.53	1.86	2.44	2.91	2.66	2.73	2.27	1.68	1.14	1.37
6	1.43	2.05	2.54	1.84	2.49	2.93	2.65	2.77	1.83	1.72	1.17	1.38
7	1.44	2.05	2.54	1.89	2.50	2.96	2.52	2.82	1.69	1.76	1.17	1.48
8	1.49	2.12	2.51	1.91	2.52	2.95	2.35	2.85	1.64	1.76	1.17	1.40
9	1.51	2.14	2.48	1.93	2.57	2.97	2.36	2.86	1.62	1.73	1.20	1.40
10	1.57	2.17	2.47	1.96	2.60	2.98	2.37	2.88	1.64	1.77	1.23	1.41

44--Continued.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	1.64	2.18	2.47	1.99	2.63	2.99	2.37	2.88	1.67	1.80	1.27	1.47
12	1.61	2.17	2.48	2.04	2.63	3.03	2.39	2.84	1.69	1.84	1.28	1.49
13	1.62	2.20	2.50	2.09	2.66	3.07	2.43	2.75	1.71	1.88	1.31	1.55
14	1.64	2.25	2.56	2.14	2.66	3.10	2.48	2.60	1.48	1.91	1.34	1.57
15	1.64	2.27	2.57	2.18	2.69	3.13	2.53	2.59	1.47	1.92	1.35	1.58
16	1.67	2.29	2.56	2.21	2.70	3.15	2.56	2.61	1.52	1.75	1.34	1.59
17	1.69	2.33	2.57	2.22	2.72	3.17	2.54	2.68	1.57	1.27	1.35	1.48
18	1.70	2.34	2.56	2.25	2.75	2.98	2.55	2.66	1.59	....	1.40	1.36
19	1.74	2.29	2.56	2.27	2.77	2.76	2.60	2.69	1.58	....	1.42	1.38
20	1.77	2.33	2.54	2.28	2.80	2.73	2.64	2.72	1.59	....	1.43	1.40
21	1.78	2.36	2.58	2.36	2.82	2.74	2.66	2.76	1.62	....	1.48	1.43
22	1.77	2.37	2.56	2.39	2.81	2.75	2.67	2.79	1.63	....	....	1.43
23	1.78	2.40	2.58	2.38	2.87	2.74	2.66	2.84	1.66	.68	....	1.46
24	1.82	2.43	2.60	2.40	2.86	2.79	2.62	2.87	1.71	.72	....	1.46
25	1.86	2.43	2.63	2.42	2.60	2.82	2.66	2.90	1.77	.75	....	1.50
26	1.87	2.40	2.64	2.20	2.65	2.84	2.62	2.93	1.80	.79	....	1.52
27	1.89	2.46	2.64	2.18	2.68	2.88	2.57	2.96	1.79	.83	....	1.53
28	1.90	2.49	2.70	2.14	2.70	2.91	2.58	2.96	1.74	.86	....	1.53
29	1.92	....	2.32	2.16	2.77	2.82	2.62	2.94	1.59	.89	....	1.54
30	1.95	....	2.15	2.18	2.74	2.77	2.67	2.92	1.58	.92	....	1.55
31	1.98	....	2.15	....	2.80	....	2.69	2.95	....	.97	....	....

45. Claude Hardin. At Sand Gulley, 3.6 miles south of Lakeland. Records available: 1948-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63.15	65.60	68.66	68.73	70.20	70.62	69.32	67.80	....	67.07	66.10	66.82
2	63.19	65.81	68.90	68.68	70.50	70.56	69.22	67.76	67.47	67.07	66.15	66.89
3	63.24	66.00	69.07	68.61	71.00	70.43	69.08	67.73	67.45	67.03	66.12	66.70
4	....	66.18	69.03	....	71.22	70.24	68.96	67.77	67.26	66.99	66.02	66.49
5	63.46	66.21	68.82	68.61	71.47	70.04	68.82	67.79	66.94	67.02	66.17	66.47
6	63.56	66.27	68.62	68.61	71.40	70.00	68.67	....	66.67	67.15	66.23	66.41
7	63.62	66.39	68.68	68.63	71.25	70.02	68.53	....	66.75	67.27	66.27	66.40
8	63.72	66.58	68.68	68.61	71.30	70.00	68.45	....	66.77	67.26	66.28	66.55
9	63.72	66.65	68.71	68.55	71.43	69.97	68.41	....	66.74	67.09	66.35	66.55
10	63.75	66.70	68.67	68.50	71.50	69.92	68.37	....	66.70	67.00	66.46	66.76
11	63.81	66.79	68.61	68.48	71.50	69.81	68.34	....	66.66	66.97	66.55	66.80
12	63.88	66.75	68.57	68.50	71.68	69.67	68.33	....	66.62	67.01	66.60	66.84
13	63.94	66.81	68.44	68.50	71.74	69.61	68.32	....	66.66	67.16	66.59	66.71
14	64.00	66.97	68.48	68.57	71.60	69.61	68.32	....	66.68	67.27	66.59	66.88
15	63.98	67.17	68.52	68.59	71.72	69.59	68.31	....	66.68	67.24	66.60	66.60
16	64.02	67.45	68.52	68.63	71.67	69.60	68.23	....	66.72	67.07	66.58	....
17	64.08	67.62	68.63	68.59	71.59	69.72	68.08	....	66.81	66.86	66.57	....
18	64.08	67.74	68.64	68.58	71.44	69.73	67.95	....	66.87	66.48	66.61	....
19	64.15	67.63	68.60	68.69	71.25	69.64	67.93	....	66.89	66.44	66.65	....
20	64.28	67.71	68.52	68.87	71.15	69.78	67.92	....	66.91	66.25	66.62	....
21	64.38	67.91	68.54	69.10	71.10	69.79	67.91	....	66.99	66.13	66.66	....
22	64.36	67.97	68.08	69.35	71.05	69.70	67.90	....	67.02	....	66.67	....
23	64.38	68.20	68.65	69.47	70.98	69.61	67.88	....	67.02	66.05	66.70	....
24	64.58	68.35	68.67	69.53	70.89	69.59	67.80	....	67.07	66.05	66.55	....
25	64.79	68.38	68.69	69.69	70.86	69.54	67.77	....	67.13	66.09	66.44	....
26	64.97	68.22	68.64	69.82	70.80	69.38	67.73	....	67.23	66.13	66.32	....
27	65.05	68.30	68.51	69.91	70.84	69.32	67.72	....	67.26	66.13	66.28	....
28	65.08	68.53	68.50	70.05	70.80	69.38	67.70	....	67.21	66.05	66.35	....
29	65.16	....	68.61	70.15	70.70	69.46	67.70	....	67.18	65.98	66.60	....
30	65.17	....	68.73	70.14	70.60	69.34	67.75	....	67.08	65.96	66.73	....
31	65.32	....	68.77	....	70.57	....	67.79	....	....	66.01	....	....

45A. Claude Hardin. At Sand Gulley, 3.6 miles south of Lakeland. Records available: 1948-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.00	2.60	2.95	2.94	3.15	3.21	3.25	2.79	....	....	....	2.52
2	2.02	2.61	2.96	2.94	3.15	3.12	3.24	2.68	2.72	....	....	2.54
3	2.03	2.63	2.98	2.94	3.16	3.08	3.18	2.64	2.72	....	....	2.45
4	....	2.65	2.98	....	3.16	3.07	3.11	2.67	2.56	....	....	2.18
5	2.11	2.67	2.98	2.88	3.16	3.08	3.02	2.71	2.07	....	....	2.17

45A--Continued.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	2.13	2.68	2.98	2.82	3.16	3.10	2.98	2.73	1.67	....	....	2.19
7	2.14	2.68	2.93	2.83	3.16	3.12	2.91	2.78	1.62	....	....	2.09
8	2.15	2.68	2.91	2.85	3.24	2.97	2.80	2.81	1.63	....	2.12	2.05
9	2.17	2.70	2.92	2.88	3.28	2.95	2.80	2.83	1.64	....	2.13	2.05
10	2.21	2.70	2.94	2.90	3.28	2.95	2.82	2.85	1.65	....	2.16	2.05
11	2.23	2.71	2.94	2.90	....	2.96	2.77	2.85	....	....	2.18	2.08
12	2.25	2.71	2.94	2.91	3.35	2.98	2.78	2.83	....	....	2.20	2.11
13	2.27	2.72	2.94	2.93	3.33	3.03	2.82	2.69	....	....	2.22	2.16
14	2.28	2.74	2.95	2.95	3.32	3.05	2.82	2.66	....	....	2.24	2.19
15	2.30	2.77	2.97	2.97	3.28	3.07	2.82	2.68	....	....	2.27	2.20
16	2.31	2.78	2.97	3.00	....	3.09	2.65	2.67	....	....	2.28	2.22
17	2.33	2.79	2.97	3.02	3.19	3.12	2.59	2.43	....	....	2.28	2.13
18	2.34	2.85	2.97	3.03	3.17	3.15	2.51	2.40	....	....	2.29	2.01
19	2.37	2.89	2.97	3.03	3.18	3.17	2.51	2.40	....	....	2.32	2.03
20	2.41	2.88	2.99	3.03	3.18	3.19	2.55	2.43	....	....	2.33	2.07
21	2.44	2.88	3.01	3.06	3.21	3.21	2.61	2.47	....	....	2.35	2.10
22	2.44	2.87	3.01	3.09	3.24	3.22	2.60	2.53	....	....	2.36	2.11
23	2.44	2.86	3.03	3.10	3.25	3.20	2.60	2.53	....	....	2.37	2.12
24	2.46	2.89	3.04	3.10	3.26	3.20	2.63	2.54	....	....	2.39	2.13
25	2.50	2.91	3.05	3.10	3.27	3.21	2.67	2.59	....	....	2.40	2.14
26	2.53	2.92	3.05	3.10	3.29	3.21	2.70	2.63	....	....	2.42	2.16
27	2.53	2.93	3.05	3.11	3.32	3.20	2.71	2.66	....	....	2.42	2.16
28	2.54	2.95	3.05	3.13	3.33	3.23	2.69	2.67	....	....	2.44	2.17
29	2.54		2.96	3.14	3.31	3.26	2.71	2.67	....	....	2.48	2.18
30	2.56		2.93	3.15	3.31	3.25	2.73	2.67	....	....	2.49	2.18
31	2.59		2.94		3.20		2.78	2.67	....	....		2.17

47. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 26 S., R. 27 E. Records available: 1948-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.69	....	47.25	47.65	47.21	47.40	47.59	47.25	47.37	....	43.48	44.80
2	46.66	....	47.26	47.63	47.19	47.40	47.60	47.25	47.39	....	43.40	44.85
3	46.65	....	47.29	47.61	47.18	47.41	47.60	47.24	47.40	....	43.34	44.88
4	46.65	....	47.30	47.57	47.17	47.41	47.60	47.23	47.41	....	43.31	44.95
5	46.63	....	47.32	47.56	47.15	47.43	47.60	47.23	47.41	....	43.36	45.02
6	46.63	....	47.33	47.56	47.14	47.44	47.59	47.22	47.40	....	43.40	45.06
7	46.62	....	47.35	47.55	47.13	47.46	47.57	47.22	47.38	....	43.43	45.11
8	46.63	....	47.37	47.53	47.13	47.47	47.57	47.22	47.33	44.54	43.42	45.16
9	46.62	....	47.38	47.50	47.12	47.48	47.56	47.23	47.36	44.55	43.55	45.20
10	46.62	....	47.40	47.48	47.12	47.49	47.55	47.24	47.20	44.57	43.61	45.23
11	46.63	....	47.42	47.45	47.12	47.50	47.52	47.25	47.15	44.61	43.68	45.28
12	....	....	47.43	47.43	47.12	47.52	47.50	47.25	47.06	44.65	43.73	45.32
13	....	....	47.45	47.40	47.12	47.52	47.48	47.20	46.96	44.70	43.79	45.36
14	....	....	47.46	47.39	47.13	47.53	47.45	47.27	46.84	44.75	43.84	45.40
15	....	....	47.47	47.37	47.15	47.55	47.43	47.27	46.66	44.80	43.90	45.44
16	....	....	47.48	47.36	47.16	47.56	47.42	47.27	46.48	44.85	43.93	45.48
17	....	....	47.50	47.34	47.18	47.57	47.40	47.26	46.30	44.87	43.98	45.50
18	....	47.09	47.51	47.33	47.20	47.58	47.38	47.25	46.07	44.90	44.05	45.55
19	....	47.10	47.52	47.32	47.22	47.60	47.36	47.23	45.85	44.93	44.10	45.59
20	....	47.11	47.54	47.30	47.23	47.62	47.36	47.24	45.63	45.00	44.15	45.63
21	....	47.12	47.56	47.30	47.25	47.62	47.35	47.23	45.43	44.88	44.20	45.65
22	....	47.13	47.56	47.30	47.26	47.61	47.34	47.23	45.24	44.82	44.25	45.68
23	....	47.15	46.58	47.29	47.28	47.59	47.34	47.23	45.09	44.73	44.32	45.71
24	....	47.17	47.59	47.28	47.29	47.57	47.33	47.24	44.96	44.63	44.35	45.73
25	....	47.18	47.60	47.25	47.30	47.56	47.32	47.25	44.86	44.52	44.43	45.76
26	....	47.20	47.61	47.25	47.30	47.55	47.32	47.26	44.80	44.40	44.50	45.78
27	....	47.22	47.62	47.25	47.30	47.55	47.30	47.28	....	44.28	44.56	45.80
28	....	47.23	47.63	47.24	47.32	47.56	47.29	47.30	....	44.14	44.64	45.83
29	....	....	47.65	47.24	47.34	47.57	47.28	47.32	....	44.00	44.69	45.85
30	....	....	47.67	47.23	47.36	47.58	47.25	47.34	....	43.86	44.75	45.87
31	....	....	47.66		47.38		47.25	47.36		43.73		45.91

48. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, T. 32 S., R. 28 E., Florida Highway 17, 2.7 miles south of Frostproof. Records available: 1949-50.

48--Continued.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43.91	44.23	44.53	44.93	45.34	45.74	45.94	46.31	46.52	46.45	44.70	45.07
2	43.92	44.24	44.54	44.94	45.36	45.74	45.94	46.32	46.53	46.43	44.68	45.08
3	43.93	44.25	44.56	44.96	45.37	45.74	45.97	46.32	46.52	46.40	44.67	45.10
4	43.96	44.28	44.57	44.97	45.37	45.74	45.98	46.33	46.52	46.37	44.66	45.11
5	43.97	44.30	44.57	44.98	45.38	45.75	46.00	46.33	46.52	46.35	44.66	45.12
6	43.98	44.31	44.58	45.01	45.40	45.76	46.01	46.33	46.52	46.33	44.66	45.13
7	43.99	44.31	44.58	45.03	45.41	45.77	46.02	46.34	.....	46.33	44.66	45.15
8	44.00	44.32	44.59	45.05	45.42	45.78	46.02	46.34	.....	46.32	44.66	45.16
9	44.02	44.32	44.61	45.06	45.43	45.82	46.02	46.34	.....	46.30	44.67	45.17
10	44.03	44.32	44.62	45.08	45.46	45.83	46.02	46.35	.....	46.29	44.68	45.18
11	44.05	44.32	44.62	45.09	45.47	45.84	46.03	46.35	.....	46.27	44.69	45.20
12	44.07	44.33	44.63	45.11	45.48	45.85	46.04	46.35	.....	46.26	44.70	45.20
13	44.08	44.33	44.64	45.13	45.50	45.86	46.05	46.35	.....	46.25	44.72	45.23
14	44.10	44.35	44.67	45.15	45.51	45.86	46.08	46.35	.....	46.24	44.74	45.24
15	44.11	44.37	44.67	45.16	45.52	45.86	46.09	46.35	.....	46.24	44.76	45.25
16	44.12	44.38	44.67	45.18	45.53	45.86	46.10	46.36	.....	46.23	44.77	45.27
17	44.13	44.38	44.71	45.19	45.54	45.87	46.11	46.36	.....	46.15	44.77	45.28
18	44.15	44.41	44.72	45.20	45.55	45.88	46.13	46.37	.....	46.04	44.79	45.30
19	44.16	44.43	44.75	45.21	45.56	45.88	46.13	46.38	.....	45.86	.....	45.33
20	44.18	44.45	44.77	45.22	45.57	45.88	46.13	46.40	.....	45.77	44.83	45.34
21	44.18	44.46	44.80	45.23	45.58	45.88	46.14	46.41	.....	45.50	44.85	45.35
22	44.18	44.47	44.80	45.24	45.60	45.88	46.15	46.43	.....	45.35	44.88	45.36
23	44.18	44.48	44.82	45.24	45.61	45.88	46.16	46.45	.....	45.22	44.90	45.37
24	44.18	44.50	44.84	45.25	45.62	45.88	46.19	46.46	.....	45.13	44.93	45.38
25	44.18	44.51	44.85	45.26	45.63	45.88	46.19	46.46	.....	45.05	44.96	45.40
26	44.18	44.52	44.86	45.27	45.64	45.89	46.21	46.46	.....	44.94	44.98	45.41
27	44.19	44.53	44.86	45.28	45.65	45.89	46.27	46.50	.....	44.88	45.01	45.43
28	44.20	44.53	44.88	45.29	45.67	45.89	46.29	46.51	46.57	44.83	45.04	45.45
29	44.20	.....	44.90	45.30	45.68	45.90	46.30	46.51	46.53	44.77	45.04	45.46
30	44.21	.....	44.91	45.31	45.70	45.92	46.30	46.51	46.48	44.75	45.05	45.47
31	44.21	.....	44.92	.....	45.73	.....	46.31	46.52	.....	44.71	.....	45.49

49. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 31 S., R. 20 E., Florida Highway 630, 0.2 miles southwest of intersection of Florida Highway 60. Records available: 1949-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.67	3.55	.....	4.76	4.34	4.10	4.87	4.63	5.35	4.28	1.73	2.10
2	2.72	3.57	4.20	4.79	4.37	4.15	4.67	4.65	5.37	4.28	1.78	2.12
3	2.77	3.59	4.22	4.82	4.24	4.17	4.59	4.68	5.37	4.30	1.68	1.13
4	2.82	3.61	4.24	4.83	4.18	4.21	4.57	4.70	5.09	4.32	1.81	1.38
5	2.88	3.62	4.26	4.84	4.17	4.25	4.55	4.72	4.77	4.35	1.90	1.45
6	2.92	3.63	4.28	4.85	4.19	4.30	4.44	4.76	4.53	4.39	1.95	1.49
7	4.96	3.64	4.29	4.85	4.24	4.33	4.37	4.80	4.37	4.43	1.97	1.13
8	3.00	3.66	4.31	4.85	4.29	4.37	4.35	4.83	4.31	4.47	2.00	1.47
9	3.03	3.70	4.32	4.86	4.33	4.42	3.13	4.83	4.31	4.30	2.02	1.50
10	3.05	3.71	4.33	4.87	4.38	4.45	3.74	4.86	4.32	4.22	2.05	1.56
11	3.08	3.75	4.35	4.90	4.43	4.48	3.71	4.88	4.36	4.18	2.10	1.69
12	3.10	3.77	4.37	4.92	4.49	4.52	3.70	4.90	4.43	4.18	2.15	1.75
13	3.13	3.79	4.40	4.94	4.54	4.56	3.78	4.92	4.49	4.23	2.13	1.81
14	3.15	3.81	4.42	4.95	4.59	4.61	3.87	4.49	4.55	4.29	2.20	1.85
15	3.17	3.82	4.43	4.96	4.63	4.64	3.94	4.96	4.59	4.31	1.20	1.90
16	3.20	3.84	4.46	4.99	4.35	4.68	4.03	4.98	4.64	2.30	.....	1.91
17	3.22	3.87	4.48	5.00	4.25	4.71	4.09	5.01	4.69	.70	1.93	1.55
18	3.24	3.89	4.50	5.03	4.17	4.75	4.16	5.03	4.72	.27	1.46	1.63
19	3.27	3.90	4.51	5.04	4.01	4.78	4.22	5.05	4.75	1.02	1.52	1.78
20	3.29	3.93	4.53	5.05	4.00	4.81	4.27	5.08	4.80	1.15	1.55	1.92
21	3.30	3.95	4.55	5.09	3.99	4.84	4.29	5.12	4.85	.59	1.65	1.97
22	3.32	3.97	4.57	4.10	3.93	4.59	4.32	5.14	4.88	1.21	1.70	1.99
23	3.35	3.99	4.58	5.12	3.73	4.54	4.35	5.16	4.91	1.30	1.73	2.02
24	3.37	4.00	4.60	5.15	3.61	4.54	4.39	5.19	4.95	1.35	1.68	2.07
25	3.40	.....	4.62	5.17	3.59	4.57	4.42	5.22	4.98	1.40	1.85	2.11
26	3.42	.....	4.64	4.69	3.65	4.64	4.46	5.24	4.92	1.43	1.92	2.15
27	3.46	.....	4.65	4.51	3.75	4.69	4.48	5.26	4.91	1.20	1.96	2.18
28	3.45	.....	4.68	4.38	3.82	4.72	4.50	5.29	4.54	1.47	2.01	2.19
29	3.47	.....	4.70	4.33	3.88	4.83	4.53	5.32	4.34	1.55	2.06	2.21
30	3.50	.....	4.72	4.33	3.94	4.85	4.57	4.32	4.28	1.65	2.08	2.07
31	3.52	.....	4.73	.....	4.02	.....	4.60	5.33	.....	1.69	.....	1.95

50. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 31 S., R. 31 E., Florida Highway 60, 2.8 miles west of Kissimmee River bridge. Records available: 1948-50.

Daily highest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.14	3.75	4.08	4.17	2.37	2.33	2.74	2.83	3.43	2.05	1.12	1.75
2	3.15	3.75	4.11	4.17	2.39	2.36	2.77	2.87	3.46	2.10	1.19	1.79
3	3.17	3.77	4.12	4.18	2.40	2.07	2.79	2.90	2.40	2.13	1.25	1.65
4	3.20	3.78	4.13	4.18	2.42	2.08	2.48	2.93	2.97	2.12	1.31	1.17
5	3.22	3.79	4.13	4.18	2.44	2.12	2.48	2.97	2.55	2.13	1.40	1.18
6	3.25	3.79	4.14	3.92	2.47	2.15	2.48	3.00	2.40	2.17	1.58	1.20
7	3.28	3.80	4.15	3.79	2.50	1.74	2.50	3.03	2.39	2.21	1.67	1.02
8	3.32	3.81	4.16	3.75	2.54	1.77	2.51	3.06	2.41	2.10	1.72	1.03
9	3.35	3.82	4.17	3.74	2.56	1.82	2.17	3.09	2.45	1.63	1.76	1.05
10	3.37	3.83	4.17	3.74	2.59	1.90	2.16	3.10	2.50	1.63	1.80	1.07
11	3.40	3.85	4.18	3.74	2.63	1.97	2.17	3.10	2.54	1.65	1.85	1.10
12	3.43	3.85	4.19	3.74	2.67	2.03	2.20	3.11	2.59	1.68	1.88	1.13
13	3.45	3.87	4.20	3.74	2.70	2.05	2.25	3.12	2.62	1.73	1.92	1.15
14	3.47	3.88	4.21	3.74	2.72	2.10	2.29	3.13	2.65	1.76	1.95	1.18
15	3.49	3.89	4.22	3.75	2.74	2.15	2.36	3.15	2.70	1.70	1.10	1.20
16	3.50	3.91	4.22	3.76	2.56	2.19	2.42	3.15	2.73	.65	.71	1.22
17	3.53	3.93	4.23	3.76	2.56	2.25	2.45	3.17	2.75	+.04	.71	1.25
18	3.54	3.95	4.24	3.77	2.56	2.30	2.48	3.19	2.80	+.16	.80	1.25
19	3.56	3.95	4.24	3.78	2.57	2.33	2.52	3.20	2.83	.02	1.01	1.27
20	3.58	3.97	4.25	3.79	2.58	2.37	2.55	3.22	2.88	.07	1.16	1.30
21	3.59	3.98	4.27	3.80	2.60	2.42	2.57	3.25	2.92	.07	1.25	1.32
22	3.60	3.99	4.25	3.81	2.25	2.46	2.57	3.27	2.95	.09	1.34	1.35
23	3.62	4.00	4.20	3.82	1.90	2.49	2.59	3.29	2.99	.15	1.39	1.36
24	3.63	4.01	4.18	3.82	1.83	2.53	2.60	3.30	3.02	.20	1.42	1.38
25	3.64	4.02	4.17	3.52	1.86	2.56	2.62	3.33	3.05	.56	1.47	1.40
26	3.65	4.04	4.16	2.47	1.93	2.61	2.65	3.35	2.90	.83	1.51	1.42
27	3.67	4.05	4.15	2.40	2.03	2.62	2.70	3.37	2.75	.90	1.55	1.45
28	3.69	4.06	4.15	2.30	2.11	2.65	2.72	3.39	2.17	.58	1.60	1.48
29	3.71		4.15	2.32	2.17	2.68	2.74	3.40	2.04	.81	1.67	1.50
30	3.72		4.15	2.33	2.22	2.72	2.77	3.40	2.03	.95	1.71	1.52
31	3.73		4.16		2.27		2.80	3.41		1.03		1.54

51. Mrs. William Falls. Frostproof, in a pump house in rear of a residence at 48 First St. Drilled unused industrial well, depth 490 feet, diameter 6 inches. Recording gage installed September 24, 1949. Records available: 1949-50.

Daily high and low water levels, from recorder graph, 1949

Day	November		December		Day	November		December	
	High	Low	High	Low		High	Low	High	Low
1	4.82	5.60	17	....	....	5.20	6.85
2	4.78	5.78	18	4.20	4.99	5.18	5.64
3	4.80	5.72	19	4.30	4.58	5.07	7.45
4	4.57	4.87	20	4.18	4.36	5.52	7.33
5	4.52	6.30	21	4.18	4.85	5.70	7.72
6	4.80	6.55	22	4.38	5.30	5.78	7.86
7	5.11	6.29	23	4.49	5.21	6.06	7.85
8	4.86	6.05	24	4.32	4.83	5.35	6.20
9	4.93	6.15	25	4.24	5.35	5.05	5.35
10	4.86	5.62	26	4.40	4.70	5.00	5.25
11	4.71	4.90	27	4.34	4.41	5.00	5.45
12	4.72	6.26	28	4.36	5.41	5.08	5.50
13	4.95	6.12	29	4.50	5.46	5.10	7.32
14	4.91	5.48	30	4.57	5.65	5.66	7.40
15	4.74	5.03	31			5.37	5.92
16	4.79	6.60					

Daily mean water level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.20	....	....	9.30	8.68	7.89	7.43	7.59	7.04	6.70	5.95	....
2	5.20	....	....	9.10	8.80	7.88	7.42	7.95	7.07	6.71	6.12	7.06
3	5.80	9.35	....	8.87	8.82	7.81	7.40	8.12	6.99	6.67	....	6.18
4	6.50	8.85	....	....	8.80	7.70	7.36	8.42	6.85	6.51	....	6.70
5	....	....	....	8.81	8.75	7.65	7.34	8.40	6.78	6.54	....	7.30
6	6.80	....	....	8.54	8.60	7.70	7.31	8.20	6.70	6.61	....	7.14
7	6.30	....	9.70	8.55	8.39	7.75	7.23	8.37	6.82	6.65	....	7.10
8	6.22	....	9.45	8.25	8.29	7.77	7.20	8.19	6.86	6.63	....	7.38

51--Continued.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
9	7.03	....	9.30	7.97	8.55	7.75	7.18	7.78	6.85	6.59	....	7.12
10	....	....	9.30	8.05	8.88	7.70	7.20	7.53	6.81	6.59	....	7.34
11	....	....	9.15	8.20	8.96	7.57	7.20	7.42	6.85	6.59	....	7.43
12	....	....	8.72	8.17	9.05	7.52	7.20	7.33	6.88	6.59	....	7.15
13	....	....	8.75	8.25	9.00	7.53	7.18	7.24	6.88	6.63	....	7.48
14	....	....	9.10	8.40	9.05	7.52	7.21	7.18	6.89	6.66	....	7.63
15	....	....	9.21	8.60	9.00	7.55	7.27	7.12	6.88	6.51	....	7.69
16	....	....	9.29	8.75	8.76	7.62	7.29	7.07	6.87	6.50	....	7.19
17	....	....	9.35	9.00	8.60	7.87	7.27	7.02	6.90	6.32	....	6.40
18	....	8.34	9.20	9.30	8.53	7.74	7.24	6.96	6.94	6.31	....	6.85
19	....	7.91	9.15	9.55	8.50	7.69	7.22	6.96	6.92	6.13	....	7.30
20	....	8.30	9.27	9.90	8.49	7.75	7.22	6.96	6.89	6.00	....	7.40
21	9.05	9.00	9.34	10.10	8.29	7.70	7.20	6.97	6.86	5.96	....	7.51
22	....	9.30	9.33	10.40	8.25	7.60	7.19	7.02	6.82	5.96	....	7.60
23	....	9.58	9.47	10.10	8.18	7.50	7.19	7.08	6.77	5.91	....	7.33
24	9.95	....	9.98	10.40	8.04	7.46	7.23	7.12	6.78	5.87	....	6.48
25	10.18	....	9.63	10.80	7.99	7.40	7.44	7.13	6.87	5.84	....	6.29
26	....	....	9.10	....	7.96	7.32	7.50	7.10	6.96	5.86	....	6.20
27	....	....	9.01	....	7.91	7.29	7.56	7.09	6.89	5.86	....	6.85
28	9.60	....	9.11	....	7.89	7.35	7.55	7.05	6.80	5.85	....	7.20
29	....	....	9.08	....	7.90	7.38	7.41	7.01	6.73	5.81	....	7.28
30	....	....	9.04	8.95	7.84	7.41	7.31	6.99	6.70	5.79	....	7.20
31	9.28	....	9.20	....	7.83	....	7.50	7.04	....	5.98	....	6.57

Putnam County

28. R. O. Puckett. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 12 S., R. 26 E., in town of Fruitland. Drilled domestic well, diameter 6 inches, depth 145 feet. Measurement prior to May 1950 supplied by U. S. Engineering Dept. Records available: 1936-50.

Water level below land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 14, 1936	6.5	May 19, 1939	8.0	July 1942	5.6	Aug. 1945	5.4
May 20	6.9	June 15	8.0	Aug.	5.6	Sept.	5.3
June 18	6.5	July 27	7.3	Sept.	5.6	Oct.	5.0
July 15	6.9	Sept. 21	6.6	Oct.	5.8	Nov.	5.7
Aug. 18	6.8	Oct. 12	6.4	Nov.	6.4	Dec.	5.5
Sept. 15	7.3	Nov. 23	6.9	Dec.	6.5	Jan. 1946	5.5
Oct. 15	6.6	Dec. 21	7.3	Jan. 1943	6.6	Feb.	6.2
Nov. 12	6.9	Jan. 18, 1940	7.2	Feb.	7.1	Mar.	6.0
Dec. 10	7.1	Feb. 22	7.0	Mar.	6.8	June	6.7
Jan. 12, 1937	7.2	Mar.	7.2	Apr.	7.1	July	6.5
Feb. 11	7.3	Apr.	7.2	May	7.3	Aug.	6.0
Mar. 12	7.1	May	7.7	June	7.6	Sept.	5.7
Apr. 13	6.7	June	7.3	July	6.6	Oct.	5.6
May 14	6.6	July	6.9	Aug.	5.9	Jan. 1947	6.7
June 11	7.0	Aug.	6.8	Sept.	4.9	Feb.	6.5
July 22	7.3	Sept.	6.6	Oct.	5.2	Mar.	6.1
Aug. 12	6.9	Oct.	6.8	Nov.	5.7	Apr.	5.9
Sept. 22	6.3	Nov.	7.3	Dec.	5.9	May	6.4
Oct. 13	5.7	Dec.	7.6	Jan. 1944	5.6	June	6.3
Nov. 23	6.1	Jan. 1941	6.5	Feb.	6.2	July	6.7
Dec. 9	5.8	Feb.	6.6	Mar.	6.1	Aug.	6.0
Jan. 6, 1938	5.9	Mar.	6.5	Apr.	5.9	Sept.	5.0
Feb. 11	6.3	Apr.	6.6	May	6.2	Oct.	5.1
Mar. 15	6.7	May	7.1	June	6.6	Nov.	5.1
Apr. 14	7.4	June	7.3	July	5.9	Dec.	5.1
May 12	7.7	July	5.3	Aug.	5.8	Jan. 1948	5.5
June 9	7.3	Aug.	5.7	Sept.	5.7	Feb.	5.5
July 22	6.9	Sept.	5.3	Oct.	5.3	Mar.	5.3
Aug. 22	6.7	Oct.	5.1	Nov.	5.5	Apr.	5.9
Sept. 15	6.9	Nov.	5.0	Dec.	5.9	May	6.3
Oct. 21	6.5	Dec.	5.3	Jan. 1945	5.9	June	6.8
Nov. 18	6.7	Jan. 1942	5.5	Feb.	6.3	July	6.6
Dec. 15	7.0	Feb.	5.8	Mar.	6.9	Aug.	6.2
Jan. 19, 1939	7.5	Mar.	5.4	Apr.	7.0	Sept.	5.7
Feb. 16	7.8	Apr.	5.7	May	7.4	Oct.	5.4
Mar. 22	7.8	May	6.4	June	7.5	Nov.	5.7
Apr. 20	8.1	June	6.1	July	5.9	Dec.	5.9

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Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1949	6.3	June 1949	6.3	Nov. 1949	5.9	Apr. 19, '50	7.5
Feb.	6.3	July	6.8	Dec.	5.3	Aug. 7	7.89
Mar.	6.5	Aug.	5.7	Jan. 24, '50	6.8	Oct. 18	5.65
Apr.	6.6	Sept.	5.9	Feb. 14	7.0	Nov. 29	6.37
May	7.2	Oct.	5.7	Mar. 14	7.1		

29. C. L. Conway. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 10 S., R. 26 E., in Palatka, one block east and 0.2 mile north of railroad crossing on east side of U. S. Highway 17. Drilled public-supply well, diameter 8 inches, depth 300 feet. Measurements prior to May 1950 supplied by the U. S. Engineering Dept. Records available: 1936-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 1936	+10.8	Nov. 1939	+8.8	May 1943	+9.6	Mar. 1947	+11.1
June	10.8	Dec.	8.3	June	8.4	Apr.	11.1
July	10.7	Jan. 1940	8.5	July	9.7	May	10.8
Aug.	10.5	Feb.	8.4	Aug.	10.0	June	10.7
Sept.	10.4	Mar.	9.4	Sept.	10.8	July	10.7
Oct.	10.9	Apr.	9.3	Oct.	10.9	Aug.	10.7
Nov.	10.6	May	8.9	Nov.	9.8	Sept.	10.8
Dec.	10.8	June	9.1	Dec.	9.3	Oct.	11.5
Jan. 1937	10.6	July	9.1	Jan. 1944	9.3	Nov.	11.7
Feb.	10.5	Aug.	9.3	Feb.	9.1	Dec.	11.6
Mar.	10.5	Sept.	9.1	Mar.	9.3	Jan. 1948	12.0
Apr.	10.7	Oct.	9.5	Apr.	9.3	Feb.	11.7
May	10.7	Nov.	8.3	May	9.2	Mar.	11.6
June	10.3	Dec.	8.6	June	8.9	Apr.	11.0
July	10.2	Jan. 1941	9.4	July	9.1	May	10.1
Aug.	10.5	Feb.	9.9	Aug.	9.3	June	8.7
Sept.	10.8	Mar.	9.4	Sept.	7.6	July	9.8
Oct.	11.3	Apr.	9.1	Oct.	10.9	Aug.	10.5
Nov.	11.6	May	8.9	Nov.	11.0	Sept.	11.4
Dec.	11.4	June	8.6	Dec.	10.5	Oct.	11.9
Jan. 1938	11.6	July	9.4	Jan. 1945	11.1	Nov.	11.3
Feb.	11.0	Aug.	9.4	Feb.	10.4	Dec.	11.5
Mar.	10.6	Sept.	10.0	Mar.	9.6	Jan. 1949	11.1
Apr.	9.7	Oct.	10.4	Apr.	9.1	Feb.	11.0
May	8.1	Nov.	10.6	May	9.0	Mar.	10.1
June	8.1	Dec.	10.7	June	8.4	Apr.	10.3
July	8.5	Jan. 1942	10.2	July	9.2	May	10.3
Aug.	8.9	Feb.	9.1	Aug.	9.5	June	10.0
Sept.	8.9	Mar.	9.3	Oct.	11.2	July	10.3
Oct.	9.3	Apr.	8.9	Nov.	11.0	Aug.	10.8
Nov.	9.4	May	10.3	Dec.	10.8	Sept.	11.7
Dec.	9.4	June	10.7	Jan. 1946	10.9	Oct.	12.0
Jan. 1939	8.4	July	10.6	Feb.	11.3	Nov.	11.9
Feb.	8.4	Aug.	10.7	Mar.	11.3	Dec.	11.1
Mar.	8.2	Sept.	10.9	June	10.5	Jan. 25, 1950	10.7
Apr.	7.7	Oct.	10.9	July	10.7	Feb. 15	10.0
May	8.1	Nov.	9.5	Aug.	11.1	Mar. 14	10.6
June	8.7	Jan. 1943	10.4	Sept.	11.9	Apr. 19	10.2
July	9.1	Feb.	9.8	Oct.	11.9	Oct. 18	11.4
Aug.	9.2	Mar.	9.7	Jan. 1947	10.8	Nov. 29	10.8
Sept.	9.7	Apr.	9.6	Feb.	10.8	Dec. 21	10.9
Oct.	9.7						

St. Johns County

(All water-level measurements are above land-surface datum.)

2. P. J. Manucy. Sec. 8, T. 7 S., R. 30 E., at Vilano Beach, on east side of North River, about 150 feet north of Vilano bridge, 1.9 miles northeast of St. Augustine. Records available: 1934, 1940-42, 1944-50.

Water level above land-surface datum

Jan. 18	26.9	Apr. 19	26.5	Aug. 4	25.8	Oct. 31	27.0
Mar. 7	25.9	June 6	26.4	Sept. 20	25.7	Dec. 20	27.6

3. Francis Usina. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 7 S., R. 30 E., at Usina Beach, on east side of North River, 2.4 miles north of Vilano bridge, 4 miles north of St. Augustine. Records available: 1934, 1940-41, 1944-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	31.4	Apr. 19	30.3	Aug. 4	29.4	Oct. 31	32.3
Mar. 7	31.2	June 6	30.1	Sept. 20	28.6	Dec. 20	31.1

4. Mill Creek School. SW $\frac{1}{4}$ sec. 6, T. 6 S., R. 28 E., on northwest side of Nine Mile Road, about 700 feet northeast of intersection with State Highway 48, 8.3 miles southeast of Shands bridge. Records available: 1934, 1940, 1944-46, 1949-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	18.3	Apr. 19	19.7	Aug. 4	17.7	Nov. 2	18.5
Mar. 7	15.6	June 6	17.8	Sept. 20	17.3	Dec. 20	18.5

5. G. L. Oesterricker. On east side of Inland Waterways Canal, on north side of State Highway 306, 3.2 miles south of Palm Valley. Records available: 1934, 1940, 1944-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	45.4	Apr. 19	44.0	Aug. 4	42.7	Oct. 31	43.4
Mar. 9	44.2	June 8	43.9	Sept. 21	43.3	Dec. 20	44.2

8. Parish Bros. Near SW. corner NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 5 S., R. 28 E., 0.5 mile southwest of Florida East Coast Railway, 2.5 miles southeast of Bayard. Records available: 1934, 1940-42, 1944, 1946-50. Mar. 9, +32.8; Apr. 20, +33.7; June 8, +32.5; Aug. 1, +32.1; Sept. 21, +32.6; Oct. 31, +32.9; Dec. 20, +33.3.

9. Ponce de Leon Hotel. Sec. 9, T. 4 S., R. 29 E., in St. Augustine. Records available: 1930, 1940, 1946-50. Jan. 18, +29.5; Apr. 20, +29.8; June 8, +28.0; Aug. 1, +29.0; Sept. 21, +27.5; Nov. 2, +29.1; Dec. 20, +29.2.

Santa Rosa County

8. P. L. Coleman. Near NE. corner SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 2 S., R. 26 W., on north side of East River. Records available: 1947-50. May 3, +58.5; June 22, +58.5; Aug. 16, +59.2; Oct. 4, +55.3; Nov. 15, +58.0.

10. U. S. Army. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 1 S., R. 26 W., at Eglin Auxiliary Field 7, in building 7204. Records available: 1947-50. Mar. 21, 84.4; May 3, 85.3; June 22, 86.5; Aug. 16, 86.1; Oct. 4, 84.8; Nov. 15, 84.3.

11. U. S. Army. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 1 S., R. 26 W., at Eglin Auxiliary Field 7, in building 7102. Records available: 1948-50. Mar. 21, 102.7; May 3, 103.6; June 22, 106.7; Aug. 16, 107.2; Oct. 4, 106.7; Nov. 15, 104.7.

Sarasota County

5. R. M. Canty. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 36 S., R. 20 E., about 300 feet south of State Highway 18. Records available: 1941-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.22	7.23	7.88	7.73	7.95	8.90	8.01	....	5.67	6.00	5.78	6.96
2	6.20	7.25	7.94	7.67	7.98	8.88	....	....	5.60	6.03	5.79	6.98
3	6.17	7.30	7.97	7.66	8.00	8.84	....	....	5.54	5.99	5.77	6.88
4	6.19	7.35	7.98	7.66	8.01	8.97	....	....	5.33	5.89	5.78	6.88
5	....	7.39	7.98	7.62	....	8.73	....	....	5.23	5.86	5.98	6.97
6	6.27	7.41	7.93	7.66	....	8.74	....	....	5.18	5.88	6.08	6.97
7	6.29	7.38	7.93	7.71	....	8.71	....	....	5.32	5.92	6.07	6.97
8	6.36	7.41	7.98	7.69	....	8.63	....	....	5.40	5.92	6.02	7.01
9	6.40	7.44	8.03	7.68	....	8.60	....	....	5.39	5.88	6.03	6.91
10	6.41	7.45	....	7.66	....	8.52	....	....	5.37	5.87	6.07	6.82
11	6.44	7.47	....	7.62	....	8.45	....	....	5.41	5.87	6.12	6.79
12	6.47	7.50	....	7.57	....	8.39	....	....	5.43	5.87	6.19	6.76
13	6.50	7.50	....	7.54	....	8.37	....	....	5.46	5.88	6.27	6.78
14	6.53	7.56	....	7.54	....	8.35	....	....	5.45	5.90	6.34	6.78
15	6.56	7.60	....	7.55	....	8.33	....	....	5.33	5.90	6.40	6.74

5--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	6.60	7.62	7.92	7.58	....	8.30	....	....	5.46	5.85	6.42	6.70
17	6.62	7.67	7.95	7.58	....	8.29	....	5.95	5.52	5.78	6.39	6.62
18	6.61	7.73	7.92	7.56	....	8.28	....	5.88	5.57	5.62	6.44	6.65
19	6.66	7.71	7.93	7.58	8.97	8.26	....	5.86	5.60	5.68	6.50	6.67
20	6.74	7.72	7.91	7.59	8.96	8.26	....	5.85	5.53	5.64	6.53	6.64
21	6.80	7.71	7.88	7.64	8.97	8.24	....	5.84	5.65	5.62	6.58	6.65
22	6.79	7.64	7.84	7.72	9.01	8.20	....	5.84	5.64	5.66	6.59	6.58
23	6.77	7.65	7.85	7.73	9.02	8.14	....	5.89	5.63	5.68	6.63	6.55
24	6.83	7.75	7.85	7.69	8.97	8.11	....	5.90	5.68	5.67	6.62	6.51
25	6.94	7.80	7.83	7.69	8.94	8.07	....	5.89	5.77	5.65	6.71	6.49
26	7.01	7.81	7.78	7.74	8.96	8.02	....	5.87	5.89	5.66	6.75	6.46
27	7.04	7.86	7.69	7.80	8.94	7.98	....	5.84	5.92	5.69	6.72	6.42
28	7.05	7.92	7.67	7.86	8.92	7.98	....	5.84	5.95	5.72	6.78	6.39
29	7.08	....	7.72	7.94	8.92	7.97	....	5.79	6.02	5.74	6.86	6.36
30	7.14	....	7.80	7.93	8.88	7.99	....	5.72	6.00	5.75	6.91	6.33
31	7.20	....	7.80	....	8.87	....	....	5.71	....	5.77	....	6.41

9. Palmer Corp. Near SE corner SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 36 S., R. 19 E., at Palmer Farms. Records available: 1930-37, 1941-50.

Daily mean water level from recorder graph

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	3.12	2.64	1.68	1.13	0.10	1.27	2.37	3.39
2	3.96	....	3.10	2.63	1.65	.92	.06	1.19	2.40	3.13
3	4.14	....	3.20	2.56	1.77	.83	.03	1.20	2.45	2.93
4	3.98	....	3.13	2.50	1.84	.87	+.15	.78	2.18	2.64
5	4.09	....	3.07	2.40	1.88	1.08	+.20	.72	1.95	2.51
6	4.05	....	3.18	2.26	1.61	.78	+.22	.99	2.16	2.46
7	3.82	....	3.18	2.18	1.60	.73	+.13	.94	2.22	2.40
8	3.62	2.67	3.13	2.12	1.50	.68	+.02	1.10	2.30	2.35
9	....	2.66	3.16	2.05	1.23	.58	+.08	1.09	2.60	2.16
10	....	2.64	3.24	1.97	1.06	.52	+.08	1.02	2.46	2.04
11	....	2.71	3.26	1.87	1.06	....	+.06	1.22	2.53	2.06
12	....	2.57	3.31	1.81	1.14	....	+.06	1.30	2.52	2.14
13	....	2.59	3.11	1.77	1.33	....	+.12	1.83	2.49	2.10
14	....	2.58	3.00	1.75	1.05	....	.15	1.98	2.80	2.17
15	....	2.63	2.94	1.73	1.11	....	.35	2.00	3.27	2.14
16	....	2.64	2.89	1.71	1.25	....	.51	1.68	3.12	2.00
17	....	2.76	2.72	1.70	1.15	.28	.87	1.12	3.07	1.79
18	....	2.82	2.74	1.68	1.02	.43	1.24	.46	3.11	1.82
19	....	2.91	2.76	1.65	1.12	.31	1.52	.36	3.06	1.97
20	....	3.01	2.74	1.66	1.25	.28	1.70	.37	3.07	2.07
21	....	2.98	2.78	1.68	1.05	.23	1.65	.33	2.81	2.08
22	....	2.99	2.79	1.68	.97	.38	1.63	.30	2.87	2.03
23	....	3.13	2.87	1.66	.94	.54	1.67	.65	2.98	2.09
24	....	3.03	2.88	1.63	.93	.45	1.80	1.08	2.88	2.19
25	....	2.97	2.86	1.59	.95	.51	1.95	1.29	2.86	1.99
26	....	2.99	2.86	1.54	1.07	.56	2.03	1.38	3.10	2.07
27	....	3.10	2.85	1.48	1.09	.36	2.20	1.87	3.14	2.17
28	....	3.14	2.89	1.48	1.03	.32	2.44	2.05	3.17	2.17
29	....	3.07	2.84	1.50	1.10	.22	2.25	1.98	3.20	2.14
30	....	3.07	2.70	1.57	1.18	.21	1.50	2.02	3.41	2.10
31	....	....	2.66	....	1.15	.19	....	2.23	....	1.84

Taylor County

35. Brooks-Scanlon Corp. NE $\frac{1}{4}$ sec. 10, T. 5 S., R. 8 E., about 1 mile southeast of Foley. Records available: 1946-50.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.19	3.58	2.89	3.32	3.25	4.22	3.23	3.92	4.45	4.08	4.97
2	4.20	3.66	2.94	3.40	3.33	4.28	3.33	3.96	4.49	4.12	4.98
3	4.24	3.55	2.98	3.38	3.38	4.27	3.41	4.00	4.52	4.13	4.90
4	4.26	3.53	2.97	3.55	3.42	4.18	3.48	3.84	4.56	4.11	4.76
5	4.28	3.48	2.75	3.62	3.45	4.15	3.55	3.68	4.61	4.16	4.77
6	4.30	3.38	2.74	3.69	3.57	4.03	3.62	3.43	4.66	4.20	4.76

35--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
7	....	4.30	3.25	2.79	3.76	3.63	3.83	3.68	3.36	4.69	4.23	4.64
8	....	4.34	3.20	2.84	3.97	3.52	3.44	3.74	3.36	4.71	4.26	4.54
9	....	4.35	3.18	2.89	4.19	3.39	3.13	3.80	3.38	4.48	4.32	4.48
10	....	4.37	3.19	2.95	4.26	3.45	2.73	3.73	3.45	4.36	4.37	4.46
11	....	4.39	3.20	3.00	4.33	3.51	2.53	3.77	3.53	4.38	4.42	4.48
12	....	4.40	3.23	3.02	4.22	3.56	2.47	3.80	3.61	4.44	4.46	4.48
13	....	4.42	3.25	3.08	4.10	3.66	2.53	3.84	3.69	4.54	4.49	4.52
14	....	4.42	3.28	3.16	4.12	3.73	2.61	3.88	3.76	4.61	4.53	4.52
15	....	4.36	3.27	3.22	3.88	3.79	2.68	3.91	3.83	4.67	4.55	4.51
16	....	4.40	3.13	3.27	3.62	3.78	2.74	3.92	3.92	4.72	4.56	4.51
17	3.87	4.46	3.14	3.32	3.63	3.85	2.77	3.82	4.02	4.70	4.59	4.51
18	3.87	4.49	3.15	3.34	3.47	3.93	2.83	3.86	4.09	4.48	4.64	4.54
19	3.92	4.50	3.18	3.37	3.50	3.99	2.91	3.93	4.14	4.18	4.67	4.56
20	3.95	4.66	3.21	3.42	3.58	4.07	2.99	3.78	4.19	4.04	4.70	4.59
21	3.96	4.84	3.20	3.50	3.66	4.14	3.07	3.80	4.25	3.91	4.74	4.61
22	3.96	4.68	2.97	3.55	3.67	4.20	3.12	3.87	4.30	3.87	4.76	4.61
23	3.97	3.82	2.86	3.58	3.67	4.26	3.13	3.95	4.16	3.85	4.80	4.64
24	4.00	3.65	2.88	3.61	3.70	4.33	3.23	3.99	4.22	3.79	4.80	4.66
25	4.04	3.38	2.90	3.60	3.77	4.39	3.31	3.94	4.32	3.79	4.84	4.69
26	4.07	3.36	2.93	3.18	3.84	4.42	3.31	4.00	4.38	3.82	4.83	4.70
27	4.08	3.40	2.95	3.12	3.90	4.48	3.31	4.01	4.42	3.85	4.87	4.74
28	4.09	3.52	2.82	3.15	3.80	4.40	3.25	4.02	4.46	3.88	4.91	4.75
29	4.12		2.74	3.19	3.27	4.31	3.15	3.94	4.45	3.93	4.49	4.75
30	4.14		2.83	3.25	3.25	4.20	3.13	3.88	4.44	3.97	4.95	4.78
31	4.17		2.87		3.22		3.15	3.91		4.03		4.79

36. Brooks-Scanlon Corp. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 5 S., R. 8 E., at Foley. Records available: 1947-50.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.93	11.57	11.37	10.99	10.92	10.28	10.85	10.06	10.97	11.49	11.74	12.26
2	10.96	11.60	11.37	10.98	10.93	10.21	10.87	10.10	10.99	11.52	11.76	12.27
3	10.98	11.62	11.40	10.95	10.92	10.17	10.89	10.14	11.01	11.55	11.79	12.28
4	11.00	11.64	11.41	10.93	10.96	10.14	10.90	10.18	11.03	11.58	11.81	12.29
5	11.01	11.65	11.42	10.89	10.98	10.11	10.90	10.22	11.03	11.62	11.82	12.31
6	11.03	11.67	11.41	10.90	11.00	10.10	10.91	10.26	10.98	11.65	11.84	12.30
7	11.05	11.70	11.40	10.89	11.02	10.10	10.90	10.30	10.93	11.68	11.86	12.28
8	11.08	11.74	11.39	10.87	11.06	10.10	10.85	10.34	10.89	11.70	11.87	12.32
9	11.10	11.76	11.35	10.86	11.09	10.09	10.71	10.39	10.88	11.71	11.88	12.33
10	11.13	11.78	11.33	10.86	11.13	10.08	10.48	10.42	10.87	11.70	11.89	12.34
11	11.10	11.79	11.33	10.86	11.17	10.04	10.20	10.45	10.90	11.71	11.92	12.35
12	11.15	11.80	11.33	10.85	11.21	10.05	9.92	10.47	10.93	11.74	11.93	12.36
13	11.18	11.82	11.38	10.85	11.24	10.07	9.70	10.48	10.98	11.75	11.95	12.37
14	11.19	11.85	11.44	10.85	11.27	10.12	9.57	10.51	11.02	11.77	11.97	12.38
15	11.20	11.87	11.46	10.85	11.27	10.16	9.49	10.54	11.06	11.78	11.99	12.40
16	....	11.89	11.47	10.86	11.29	10.19	9.44	10.57	11.09	11.83	12.01	12.41
17	11.26	11.90	11.46	10.87	11.30	10.21	9.40	10.60	11.11	11.85	12.01	12.42
18	11.28	11.92	11.45	10.88	11.28	10.25	9.37	10.63	11.14	11.86	12.04	12.43
19	11.30	11.93	11.44	10.89	11.25	10.24	9.41	10.66	11.17	11.85	12.04	12.44
20	11.32	11.94	11.41	10.91	11.24	10.35	9.45	10.68	11.21	11.82	12.06	12.45
21	11.34	11.96	11.38	10.93	11.24	10.40	9.49	10.71	11.24	11.79	12.08	12.47
22	11.35	11.96	11.36	10.97	11.25	10.45	9.53	10.74	11.27	11.77	12.10	12.47
23	11.37	11.64	11.32	10.98	11.25	10.50	9.58	10.78	11.30	11.74	12.12	12.49
24	11.35	11.43	11.27	11.03	11.24	10.56	9.66	10.81	11.31	11.73	12.13	12.50
25	11.38	11.35	11.23	11.03	11.23	10.57	9.73	10.83	11.33	11.72	12.15	12.51
26	11.44	11.31	11.20	10.98	11.23	10.67	9.78	10.85	11.36	11.71	12.16	12.52
27	11.47	11.32	11.15	10.96	11.24	10.72	9.83	10.85	11.39	11.70	12.18	12.53
28	11.48	11.35	11.13	10.93	11.13	10.76	9.88	10.90	11.43	11.70	12.21	12.54
29	11.49		11.08	10.93	10.73	10.78	9.92	10.93	11.45	11.70	12.23	12.55
30	11.52		11.05	10.93	10.55	10.82	9.97	10.94	11.47	11.70	12.24	12.57
31	11.53		11.02		10.38		10.03	10.96		11.72		12.57

Volusia County

6. Robert Steinhauer. In Oak Hill, at hotel on east side of U. S. Highway 1. Records available: 1948-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	3.07	Apr. 20	2.18	Aug. 1	0.99	Nov. 3	2.45
Mar. 10	1.94	June 8	1.29	Sept. 22	1.68	Dec. 21	2.34

23. City of Daytona Beach. In Daytona Beach, on west side of Halifax River, east side of Beach Street, on projection of Live Oak Ave. Records available: 1947-50. Jan. 20, +2.21; Mar. 10, +1.88; Apr. 21, +1.32; Sept. 21, +0.80; Nov. 3, +1.89; Dec. 22, +1.62.

24. City of New Smyrna. About 2 miles southwest of New Smyrna, in city well field. Records available: 1948-50.

Daily high and low water levels, from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	7.38	9.56	6.44	9.40	....	....	6.50	11.38	7.04	10.90	9.20	12.63
2	7.08	9.82	6.58	12.44	....	....	6.39	11.50	7.30	12.13	7.59	12.67
3	6.38	12.97	6.39	10.97	....	....	6.53	11.35	7.10	10.82	7.55	12.79
4	6.11	8.95	6.37	11.20	....	....	6.47	11.43	7.02	11.09	7.72	11.14
5	5.97	9.10	6.13	11.10	....	....	6.14	9.95	7.20	11.39	7.47	12.66
6	5.93	8.54	6.09	11.79	....	....	6.54	9.96	7.34	11.04	7.48	12.70
7	5.83	8.45	5.91	10.80	....	....	6.59	10.13	7.60	11.02	8.09	12.70
8	5.76	8.08	6.55	11.38	....	....	6.43	9.97	7.45	12.48	7.49	10.98
9	5.73	8.79	6.34	10.98	....	....	6.26	9.84	7.80	11.30	4.65	11.08
10	5.75	8.55	6.31	11.35	....	....	6.12	9.74	8.20	12.71	7.12	11.10
11	5.65	8.90	6.49	10.92	6.69	11.60	6.80	11.65	7.80	12.67	7.10	10.84
12	5.66	8.26	6.81	11.50	6.66	11.47	6.73	11.56	7.78	11.31	7.01	11.00
13	5.66	8.87	6.76	10.88	6.44	11.58	7.24	11.60	7.76	12.79	7.00	11.21
14	5.71	10.54	6.74	10.15	6.51	11.50	6.59	12.08	7.97	11.21	6.91	12.30
15	6.39	10.84	7.08	11.17	6.56	11.55	6.44	11.68	7.63	11.07	7.70	12.62
16	6.20	10.58	6.53	11.29	6.49	11.21	6.28	11.80	7.48	8.02	8.02	12.94
17	6.24	10.60	6.58	11.21	6.52	11.27	6.75	11.67	7.33	9.04	....	....
18	6.21	10.75	6.65	11.28	6.51	11.20	6.95	11.87	7.33	7.79	....	....
19	....	....	6.91	11.20	6.52	9.83	5.34	11.69	7.22	11.09	....	....
20	6.00	9.19	....	11.35	6.44	11.31	6.98	11.82	7.30	10.95	....	....
21	5.93	9.19	6.92	9.93	6.53	11.21	6.73	12.10	7.49	10.84	....	....
22	5.75	9.02	....	11.49	6.43	9.98	7.17	10.88	7.21	10.92	....	....
23	5.70	11.74	....	11.38	6.46	11.27	7.69	....	7.16	10.49	....	....
24	5.78	10.68	....	....	6.53	9.68	7.61	12.23	7.11	10.34	....	....
25	5.88	9.28	....	....	6.55	11.39	7.30	12.10	7.09	10.34	....	....
26	3.82	12.30	....	....	6.40	11.46	6.94	10.52	7.10	10.63	....	....
27	6.38	10.48	....	....	6.35	11.47	6.86	12.20	7.37	10.64	....	....
28	6.20	9.30	....	....	6.62	11.26	7.39	12.09	7.38	10.70	....	....
29	5.98	9.75	....	....	6.59	11.37	6.93	10.71	7.19	10.59	....	....
30	5.60	10.93	....	....	6.54	11.45	7.19	12.32	7.11	10.89	....	....
31	5.94	11.10	....	....	6.82	11.68	....	....	7.17	10.40	....	....

Daily high and low water levels, from recorder graph

Day	August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	....	....	....	....	6.88	10.25	5.61	8.84	6.03	10.89
2	7.55	12.08	....	....	6.79	10.12	5.53	9.47	6.00	10.04
3	7.49	11.51	....	....	6.80	10.11	5.58	9.29	5.93	10.63
4	7.57	10.93	....	....	6.67	10.05	5.48	8.98	5.68	9.58
5	7.42	10.72	....	....	6.70	9.93	5.57	9.29	5.84	10.40
6	7.29	7.64	....	....	6.60	9.96	5.53	9.13	5.85	10.00
7	7.26	11.53	....	....	6.72	10.16	5.55	8.71	5.80	9.62
8	7.47	10.90	....	....	6.80	10.24	5.60	8.65	5.82	9.27
9	7.43	11.45	....	....	6.72	10.10	5.58	9.36	5.76	9.49
10	7.64	12.39	....	....	6.74	10.29	5.63	9.26	5.60	9.17
11	7.54	11.09	....	....	6.79	10.27	5.53	8.88	5.59	9.13
12	....	....	....	....	6.90	10.26	5.59	8.59	5.60	9.49
13	....	....	....	....	6.99	10.43	5.61	9.40	5.66	9.29
14	....	....	....	....	7.17	10.53	5.61	9.47	5.75	9.59
15	....	....	....	....	7.17	10.51	5.84	10.18	5.98	9.78
16	....	....	....	....	6.70	10.33	5.64	9.60	6.00	9.70

24--Continued.

Daily high and low water levels, from recorder graph

Day	August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low
17	5.18	10.07	5.77	9.54	5.91	8.99
18	5.06	9.25	5.74	9.46	5.86	9.85
19	5.84	6.57	5.63	9.27	5.79	9.50
20	5.91	9.40	5.53	10.69	5.76	9.68
21	5.06	10.55	5.74	8.74	5.91	10.08
22	6.01	10.38	5.55	8.78	5.98	10.70
23	6.84	10.17	5.70	9.58	8.15	10.33	5.95	9.65
24	6.79	10.10	5.57	9.25	5.93	10.80	5.72	9.37
25	6.76	10.48	5.44	9.03	5.32	9.59	5.70	9.37
26	6.87	9.91	5.46	9.40	5.77	9.58	5.70	9.65
27	6.90	10.22	5.67	9.40	5.73	9.72	5.91	10.32
28	6.81	9.86	5.65	9.45	5.06	9.89	5.91	9.63
29	6.89	10.01	5.59	9.49	5.87	10.16	5.91	9.48
30	6.84	10.31	5.79	9.50	5.89	9.86	5.65	9.77
31	5.64	9.66	.....	.....	5.76	9.48

25. City of Daytona Beach. In Daytona Beach, in city park. Records available: 1948-50.

Daily mean water level, above and below land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	+1.77	+1.45	+1.30	+1.05	+1.80	+1.13	0.25	0.70	+0.86	+2.19	+2.18	....
2	+1.83	+1.43	+1.23	+1.60	+1.40	....	+0.60	+0.02	+1.00	+1.47	+2.10	....
3	+2.40	+1.40	+1.02	+0.70	+1.15	....	+0.22	+0.60	+1.32	+1.39	+2.10	....
4	+2.30	+1.52	+1.13	+1.03	+1.05	....	+0.55	+0.47	+1.93	+0.98	+2.19	+2.13
5	+2.25	+1.90	+1.41	+1.63	+1.00	....	+0.25	+0.35	+1.97	+0.85	+2.29	+2.03
6	+2.17	+1.92	+1.50	+1.70	+0.88	....	0.05	+1.03	+2.02	+1.19	+2.05	+2.12
7	+2.20	+1.60	+1.38	+1.67	+1.03	....	0.00	+1.43	+2.00	+1.68	+1.99	+2.11
8	+2.57	+1.50	+1.53	+1.75	+0.90	....	+0.84	+1.20	+2.05	+2.08	+2.20	+1.72
9	+2.55	+1.55	+1.40	+1.95	+0.80	....	+1.47	+1.05	+2.09	+1.80	+2.22	+2.10
10	+2.21	+1.53	+1.25	+1.71	....	0.40	+1.65	+1.10	+2.25	+1.70	+2.48	+2.45
11	+2.05	+1.35	+1.45	+1.60	....	+0.62	+1.47	+0.88	+1.55	+1.77	+2.59	+1.70
12	+1.96	+1.67	+1.50	+1.65	....	0.30	+1.35	+0.68	+0.85	+1.97	+2.58	+1.52
13	+1.95	+1.75	+1.50	+1.45	....	0.36	+1.25	+0.90	+0.43	+1.95	+2.50	+1.50
14	+1.97	+1.48	+1.21	+1.60	+0.75	0.25	+0.60	+0.30	+0.42	+2.00	+2.31	+1.48
15	+2.08	+1.27	+1.27	+1.72	+0.97	0.40	+0.65	0.35	+0.40	+2.19	+2.15	+1.58
16	+2.18	+1.35	+1.38	+1.65	+1.15	0.65	+1.00	0.42	+0.75	+2.41	+1.98	+1.88
17	+1.95	+1.22	+1.63	+1.25	+1.27	0.75	+0.50	0.50	+1.16	+1.80	+1.99	+2.24
18	+1.97	+1.00	+1.68	+1.27	+1.20	+0.08	0.10	0.55	+0.90	+1.95	+2.20	+1.57
19	+1.85	+1.45	+2.00	+1.25	+1.17	0.05	0.55	0.78	+0.42	+0.70	+2.35	+1.05
20	....	+1.40	+1.98	+1.20	+1.30	0.80	0.70	+0.15	+0.65	+0.39	+1.80	+0.95
21	+0.40	+1.20	+1.45	+1.25	+1.68	0.90	0.90	+0.15	+0.65	+1.03	+1.55	+0.85
22	+1.77	+1.15	+1.68	+1.15	+1.83	0.83	1.00	0.15	+0.60	+2.12	+1.19	+1.40
23	+1.75	+1.20	+1.65	+1.40	+1.60	0.55	0.35	0.20	+0.30	+1.90	+1.75	+1.95
24	+1.60	+1.50	+1.55	+1.42	+1.60	0.12	0.50	0.30	+0.40	+1.90	+2.01	+2.05
25	+1.67	+1.42	+1.45	+1.15	+1.25	+0.22	1.05	0.40	+0.55	+1.95	+1.90	+2.29
26	+1.62	+1.62	+1.73	+1.27	+1.30	0.30	1.20	0.42	+0.60	+2.10	+1.60	+2.29
27	+1.65	+1.83	+1.55	+1.47	+1.28	0.85	1.30	+0.55	+0.70	+2.29	+1.70	+2.08
28	+1.65	+1.50	+1.23	+1.55	+0.90	0.53	1.20	+0.60	+0.77	+2.32	+1.54	+2.15
29	+1.88	.....	+1.37	+1.70	+1.23	0.35	1.05	+0.22	+0.75	+2.52	+1.18	+2.17
30	+1.87	.....	+1.52	+1.83	+1.10	0.28	+0.35	+0.22	+1.63	+2.43	.....	+2.20
31	+1.45	.....	+1.16	.....	+1.11	.....	....	+0.42	.....	+2.25	.....	+2.24

27. City of Daytona Beach. On south side of Orange Ave., between South Caroline and Keech Sts. Records available: 1948-50. Aug. 1, high, +0.10; low, 0.97; Oct. 1, high +2.70; low, +1.36; Oct. 2, high +2.81; low, +0.21; Oct. 3, high, +2.54; low, +0.55; Oct. 4, high, +2.59; low, +0.43.

Daily high and low water levels, above and below lsd, from recorder graph

Day	January		February		March		April		May	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	.....	.....	+2.58	+0.87	+2.21	+0.45	.....	.....	+2.70	+0.64
2	.....	.....	+2.40	+0.85	+2.16	+0.30	.....	.....	+2.33	+0.50
3	.....	.....	+2.32	+0.62	+2.19	+0.30	.....	.....	+1.10	+0.35
4	.....	.....	+2.59	+0.61	+1.89	+0.34	.....	.....	+1.02	+0.08
5	+3.24	+1.38	+2.71	+1.04	+2.19	+0.80	.....	.....	+0.80	0.01
6	+3.19	+1.30	+2.87	+0.73	+2.29	+0.49	.....	.....	+0.68	0.05
7	+3.23	+1.32	+2.68	+0.64	+2.53	+0.53	.....	.....	+0.80	+0.17

27--Continued.

Daily high and low water levels, above and below lsd, from recorder graph										
Day	January		February		March		April		May	
	High	Low	High	Low	High	Low	High	Low	High	Low
8	+3.25	+1.28	+2.60	+0.53	+2.33	+0.63	.....	.....	+0.98	0.50
9	+3.37	+1.97	+2.53	+.62	+2.60	+.42	.....	.....	+.44	.20
10	+3.20	+1.39	+2.64	+.52	+2.45	+.50	.....	.....	+.53	.46
11	+3.04	+1.25	+2.53	+.51	+2.44	+.48	.....	.....	+.80	.20
12	+3.02	+1.18	+1.44	+.92	+2.33	+.88	.....	.....	+.52	.53
13	+3.03	+1.12	+2.84	+.68	.....	.....	.....	.....	+.22	.52
14	+3.06	+1.10	+2.56	+.54	.....	.....	.....	.....	+1.58	.10
15	+2.99	+1.13	+2.36	+.49	.....	.....	.....	.....	+.51	.00
16	+3.11	+1.28	+2.39	+.41	.....	.....	.....	.....	+2.00	+.15
17	+2.67	+1.17	+2.56	+.24	.....	.....	.....	.....	+2.18	+.06
18	+3.03	+1.14	+2.27	+.23	.....	.....	.....	.....	+2.05	+.14
19	+2.82	+1.05	+2.25	+.70	.....	.....	.....	.....	+2.13	+.04
20	+2.88	+.71	+2.58	+.32	.....	.....	.....	.....	+2.10	+.20
21	+2.15	+.52	+1.09	+.26	.....	.....	.....	.....	+2.24	+.63
22	+2.75	+1.13	+2.08	+.27	.....	.....	+0.93	+0.44	+2.61	+.48
23	+3.05	+1.02	+2.30	+.49	.....	.....	+1.93	+.21	+2.39	+.41
24	+2.50	+.91	+2.61	+.54	.....	.....	+2.43	+.40	+2.42	+.41
25	+2.75	+.81	+2.19	+.46	.....	.....	+1.34	+.30	+2.40	+.16
26	+2.60	+.83	+2.34	+.94	.....	.....	+1.34	+.50	+2.28	+.20
27	+2.70	+.89	+2.67	+.68	.....	.....	+2.41	+.53	+2.02	+.20
28	+2.67	+.96	+2.30	+.45	.....	.....	+2.40	+.67	+1.95	.01
29	+2.63	+1.33	.....	.....	.....	.....	+1.34	+.67	+2.18	+.12
30	+3.02	+.96	.....	.....	.....	.....	+2.49	+1.04	+2.07	+.18
31	+2.55	+.87	.....	.....	.....	.....	.....	.....	+1.80	+.47

Daily high and low water levels, above and below lsd, from recorder graph										
Day	June		July		September		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	+0.96	+0.08	+1.56	1.12	.....	.....	.....	.....	+2.63	+1.55
2	+1.50	.30	+1.56	+.18	.....	.....	.....	.....	+2.55	+.56
3	+1.20	.05	+1.84	.93	.....	.....	+3.05	+1.05	+1.85	+1.15
4	+1.30	.05	+1.40	.40	.....	.....	+3.10	+1.04	+2.97	+.80
5	+1.80	.56	+1.90	.76	.....	.....	+3.08	+1.40	+2.85	+.85
6	+1.08	.90	+1.49	.84	.....	.....	+3.10	+.92	+2.86	+.82
7	+.60	1.19	+1.52	.52	.....	.....	+3.04	+.89	+2.90	+1.38
8	+.71	1.05	+1.52	.03	.....	.....	+2.98	+.98	+1.50	+.80
9	+1.47	.90	+2.15	+.71	.....	.....	+3.00	+1.29	+1.96	+1.10
10	+1.60	.92	.....	.....	.....	.....	+3.13	+1.53	+1.94	+1.86
11	+1.76	+.30	.....	.....	.....	.....	+3.11	+1.66	+3.17	+.70
12	+1.51	.98	.....	.....	.....	.....	+3.14	+1.46	+1.69	+.75
13	+1.36	.95	.....	.....	.....	.....	+3.14	+1.03	+1.68	+.63
14	+1.66	.90	.....	.....	.....	.....	+3.00	+.95	+1.68	+.80
15	+1.39	1.13	.....	.....	.....	.....	+2.94	+.92	+2.88	+.68
16	+1.36	1.25	.....	.....	.....	.....	+2.85	+.80	+1.44	+.82
17	+1.20	1.20	.....	.....	.....	.....	+2.91	+.91	+2.95	+1.44
18	+1.24	.58	.....	.....	.....	.....	+2.91	+1.20	+1.66	+.43
19	+1.88	.96	.....	.....	.....	.....	+2.92	+1.50	+2.70	+.29
20	+.68	1.29	.....	.....	.....	.....	+1.69	+.67	+1.68	+.27
21	+.93	1.30	.....	.....	.....	.....	+2.84	+.50	+1.68	+.05
22	+1.07	1.28	.....	.....	+2.21	0.22	+1.79	+.19	+1.78	+.50
23	+1.15	1.20	.....	.....	+1.97	.35	+1.88	+.99	+2.71	+.96
24	+.89	.84	.....	.....	+2.19	.32	+2.89	+.81	+2.80	+1.60
25	+.94	.35	.....	.....	+2.17	.31	+2.89	+1.20	+2.88	+1.62
26	+1.65	1.31	.....	.....	+2.19	.10	+2.19	+1.22	+3.04	+2.45
27	+.66	1.24	.....	.....	+2.07	.12	+2.22	+.63	+2.99	+2.87
28	+.60	1.10	.....	.....	+2.38	+1.20	+2.67	+.43	+2.94	+.90
29	+1.45	1.10	.....	.....	+2.25	+1.99	+2.66	+.26	+2.95	+1.61
30	+1.35	.88	.....	.....	+2.42	+2.08	+2.55	+1.56	+2.96	+1.15
31	.....	.....	.....	.....	.....	.....	.....	.....	+3.01	+1.07

29. A. L. McKay. NE $\frac{1}{4}$ sec. 20, T. 15 S., R. 29 E., in Barberville. 0.36 mile west of U. S. Highway 17. Drilled domestic well, diameter 6 inches, depth 143 feet. Measurements supplied by the U. S. Engineering Dept. Records available: 1936-50.

28--Continued.

Water level below land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 18, 1936	15.0	Sept. 21, 1939	15.2	Mar. 1943	15.9	Oct. 1946	14.4
Mar. 20	14.6	Oct. 12	15.0	Apr.	16.2	Jan. 1947	15.4
Apr. 14	15.2	Nov. 23	15.3	May	16.6	Feb.	15.3
May 16	15.8	Dec. 21	15.6	June	16.4	Mar.	14.8
June 18	15.5	Jan. 18, 1940	15.6	July	15.8	Apr.	15.0
July 15	15.2	Feb. 22	15.7	Aug.	15.3	May	15.6
Aug. 18	15.2	Mar.	15.8	Sept.	14.5	June	15.0
Sept. 15	15.7	Apr.	15.8	Oct.	14.6	July	15.0
Oct. 15	15.1	May	16.6	Nov.	15.1	Aug.	14.5
Nov. 12	15.1	June	16.2	Dec.	15.3	Sept.	14.0
Dec. 10	15.3	July	15.6	Jan. 1944	15.0	Oct.	14.4
Jan. 12, 1937	15.4	Aug.	15.4	Feb.	15.5	Nov.	14.0
Feb. 11	15.4	Sept.	15.2	Mar.	15.5	Dec.	14.3
Mar. 12	15.6	Oct.	15.5	Apr.	15.3	Jan. 1948	14.8
Apr. 13	15.7	Nov.	16.0	May	15.6	Feb.	15.3
May 14	15.5	Dec.	16.3	June	16.0	Mar.	15.5
June 11	15.8	Jan. 1941	15.4	July	15.3	Apr.	15.0
July 22	16.3	Feb.	15.5	Aug.	15.0	May	15.6
Aug. 12	15.5	Mar.	15.4	Sept.	14.7	June	17.0
Sept. 21	15.2	Apr.	15.5	Oct.	14.5	July	15.7
Oct. 13	14.7	May	16.0	Nov.	14.6	Aug.	15.8
Nov. 23	15.1	June	16.2	Dec.	15.0	Sept.	14.6
Dec. 9	14.6	July	14.8	Jan. 1945	14.9	Oct.	14.5
Jan. 6, 1938	14.6	Aug.	14.6	Feb.	15.3	Nov.	14.5
Feb. 11	15.1	Sept.	14.2	Mar.	15.8	Dec.	15.3
Mar. 15	15.4	Oct.	14.3	Apr.	16.2	Jan. 1949	15.7
Apr. 14	16.3	Nov.	14.2	May	16.5	Feb.	16.7
May 12	16.5	Dec.	14.4	June	16.9	Mar.	15.1
June 9	16.5	Jan. 1942	14.4	July	15.4	Apr.	15.9
July 22	15.4	Feb.	14.7	Aug.	14.8	May	16.2
Aug. 22	15.6	Mar.	14.4	Sept.	14.2	June	16.6
Sept. 15	15.4	Apr.	14.6	Oct.	13.9	July	16.0
Oct. 17	15.5	May	15.3	Nov.	14.5	Aug.	15.8
Nov. 17	15.3	June	15.0	Dec.	14.6	Sept.	14.6
Dec. 15	15.6	July	14.6	Jan. 1946	14.5	Oct.	14.7
Jan. 19, 1939	16.0	Aug.	14.7	Feb.	15.0	Nov.	14.5
Feb. 16	16.3	Sept.	14.7	Mar.	14.7	Dec.	15.2
Mar. 22	16.6	Oct.	14.9	June	15.3	Jan. 24, 1950	15.7
Apr. 20	17.0	Nov.	15.4	July	15.1	Feb. 14	15.7
May 19	16.7	Dec.	15.7	Aug.	14.7	Mar. 14	16.5
June 15	16.8	Jan. 1943	15.7	Sept.	14.3	Apr. 19	16.5
July 27	15.8	Feb.	16.1				

30. Herbert Cowart. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 14 S., R. 28 E., 1.8 miles south of Seville, west of U. S. Highway 17 and about 140 feet west of railroad track. Drilled unused industrial well, diameter 4 inches, depth 180 feet. Measurements prior to May 1950 supplied by the U. S. Engineering Dept. Records available: 1936-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1936	11.8	Sept. 22, 1937	11.3	Mar. 22, 1938	9.8	Oct. 1940	10.8
Apr. 14	11.1	Oct. 13	11.5	Apr. 20	9.4	Nov.	10.4
May 8	10.6	Nov. 23	11.1	May 19	9.5	Dec.	10.1
June 18	10.9	Dec. 9	12.0	June 15	9.6	Jan. 1941	11.2
July 15	11.1	Jan. 6, 1938	11.9	July 27	10.7	Feb.	11.1
Aug. 18	10.9	Feb. 11	11.5	Sept. 21	11.4	Mar.	11.2
Sept. 15	10.6	Mar. 15	11.0	Oct. 12, 1939	11.5	Apr.	11.1
Oct. 15	11.0	Apr. 14	10.0	Nov. 23	11.0	May	10.3
Nov. 12	11.0	May 12	9.9	Dec. 21	10.7	June	10.1
Dec. 10	10.8	June 9	10.1	Jan. 18, 1940	10.8	July	11.8
Jan. 12, 1937	10.8	July 22	10.9	Feb. 22	10.8	Aug.	11.7
Feb. 11	10.7	Aug. 22	10.9	Mar.	10.7	Sept.	12.0
Mar. 12	11.0	Sept. 15	10.8	Apr.	10.7	Oct.	12.1
Apr. 13	11.2	Oct. 20	10.9	May	10.0	Nov.	12.2
May 14	11.0	Nov. 17	11.0	June	10.5	Dec.	12.3
June 11	10.8	Dec. 15	10.8	July	10.8	Jan. 1942	12.1
July 22	10.1	Jan. 19	10.7	Aug.	11.0	Feb.	11.8
Aug. 12	10.7	Feb. 16	10.5	Sept.	11.2	Mar.	12.1

30--Continued.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 1942	11.8	Apr. 1944	11.4	June 1946	11.0	Aug. 1948	10.4
May	11.1	May	11.0	July	11.5	Sept.	10.4
June	11.5	June	10.5	Aug.	11.6	Oct.	10.8
July	11.6	July	11.2	Sept.	12.1	Nov.	9.4
Aug.	11.5	Aug.	11.6	Oct.	11.7	Dec.	10.3
Sept.	11.7	Sept.	11.7	Jan. 1947	10.6	Jan. 1949	10.0
Oct.	11.5	Oct.	12.0	Feb.	10.9	Feb.	7.4
Nov.	10.9	Nov.	11.6	Mar.	11.5	Mar.	10.9
Dec.	10.9	Dec.	11.2	Apr.	11.6	Apr.	11.1
Jan. 1943	10.9	Jan. 1945	11.5	May	11.1	May	10.4
Feb.	10.4	Feb.	11.2	June	11.1	June	10.2
Mar.	10.6	Mar.	10.7	July	11.1	July	10.3
Apr.	10.5	Apr.	10.4	Aug.	11.5	Aug.	9.6
May	10.2	May	10.0	Sept.	11.9	Sept.	11.6
June	10.5	June	9.4	Oct.	11.5	Oct.	12.2
July	11.0	July	11.1	Nov.	11.6	Nov.	12.0
Aug.	11.5	Aug.	12.2	Dec.	10.9	Dec.	10.9
Sept.	12.2	Sept.	12.1	Jan. 1948	10.3	Jan. 24, '50	10.5
Oct.	12.0	Oct.	12.0	Feb.	9.6	Feb. 14	10.7
Nov.	11.4	Nov.	11.6	Mar.	10.5	Mar. 14	10.6
Dec.	11.2	Dec.	11.4	Apr.	10.1	Apr. 19	10.6
Jan. 1944	11.5	Jan. 1946	11.6	May	6.7	Aug. 8	9.5
Feb.	11.0	Feb.	11.2	June	7.9	Oct. 18	11.5
Mar.	11.2	Mar.	11.6	July	9.7	Nov. 29	11.6

31. Florida State Road Dept. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 18 S., R. 32 E., at Alamana, about 15 feet west of State Highway 415. Drilled unused test well, diameter 6 inches, depth 121 feet. Measurements prior to May 1950 supplied by the U. S. Engineering Dept. Recording gage installed Oct. 19, 1950. Records available: 1936-50.

Water level below land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 13, 1936	6.2	Apr. 19, 1939	7.0	Apr. 1942	4.7	Apr. 1945	7.1
June 10	5.4	May 18	6.7	May	6.0	May	7.9
July 14	5.0	June 14	7.4	June	4.9	June	7.2
Aug. 12	5.1	July 26	5.2	July	4.5	July	4.5
Sept. 11	5.8	Sept. 20	4.9	Aug.	4.8	Aug.	4.5
Oct. 9	5.8	Oct. 11	4.6	Sept.	4.9	Sept.	3.8
Nov. 11	5.2	Nov. 22	5.1	Oct.	5.3	Oct.	4.2
Dec. 9	5.6	Dec. 20	5.6	Nov.	6.0	Nov.	5.1
Jan. 8, 1937	5.8	Jan. 17, 1940	5.3	Jan. 1943	6.5	Dec.	5.1
Feb. 10	6.0	Feb. 21	5.1	Feb.	6.4	Jan. 1946	4.7
Mar. 10	5.2	Mar.	5.7	Mar.	6.4	Feb.	5.2
Apr. 9	4.6	Apr.	5.2	Apr.	6.5	Mar.	5.1
May 12	5.3	May	6.6	May	7.4	June	5.6
June 9	6.3	June	6.9	June	7.5	July	4.3
July 20	6.7	July	4.4	July	5.6	Aug.	4.3
Aug. 11	6.3	Aug.	4.7	Aug.	4.7	Sept.	4.1
Sept. 14	6.0	Sept.	4.3	Sept.	4.0	Oct.	4.9
Oct. 12	4.6	Oct.	5.3	Oct.	4.5	Jan. 1947	5.8
Nov. 10	5.2	Nov.	6.1	Nov.	5.5	Feb.	5.3
Dec. 8	4.5	Dec.	6.5	Dec.	5.8	Mar.	4.5
Jan. 5, 1938	4.5	Jan. 1941	4.5	Jan. 1945	5.6	Apr.	4.4
Feb. 10	5.0	Feb.	4.9	Feb.	6.3	May	5.7
Mar. 10	5.5	Mar.	4.8	Mar.	6.1	June	4.5
Apr. 12	6.3	Apr.	5.3	Apr.	5.6	July	4.4
May 11	7.3	May	5.9	May	6.3	Aug.	4.4
June 8	5.6	June	5.6	June	6.1	Sept.	4.2
July 19	4.4	July	3.9	July	4.5	Oct.	4.5
Aug. 30	5.0	Aug.	4.4	Aug.	4.6	Nov.	4.7
Sept. 14	5.1	Sept.	4.3	Sept.	4.2	Dec.	4.8
Oct. 18	5.0	Oct.	4.2	Oct.	4.2	Jan. 1948	4.9
Nov. 15	4.9	Nov.	4.1	Nov.	5.1	Feb.	4.8
Dec. 14	5.5	Dec.	4.4	Dec.	5.5	Mar.	4.6
Jan. 18, 1939	5.9	Jan. 1942	4.6	Jan. 1945	5.2	Apr.	5.7
Feb. 15	6.2	Feb.	5.1	Feb.	5.7	May	6.5
Mar. 21	6.9	Mar.	4.2	Mar.	6.4	June	7.1

31--Continued.

Water level below land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 1948	6.0	Nov. 1949	5.0	Oct. 29, 1950	4.55	Nov. 14, 1950	5.07
Aug.	4.6	Dec.	5.7	30	4.63	15	5.09
Sept.	4.8	Jan. 24, 1950	5.2	31	4.67	16	5.10
Oct.	4.5	Feb. 13	5.7	Nov. 1	4.71	17	5.09
Nov.	5.2	Mar. 13	5.7	2	4.74	18	5.12
Dec.	5.2	Apr. 18	6.1	3	4.75	19	5.15
Jan. 1949	5.7	Aug. 8	8.07	4	4.76	20	5.17
Feb.	6.3	Oct. 20	4.18	5	4.80	21	5.20
Mar.	6.8	21	4.12	6	4.90	22	5.23
Apr.	6.6	22	4.14	7	4.92	23	5.25
May	7.6	23	4.18	8	4.91	24	5.26
June	8.0	24	4.22	9	4.92	25	5.28
July	5.6	25	4.28	10	4.96	26	5.32
Aug.	5.7	26	4.37	11	4.99	27	5.32
Sept.	4.6	27	4.47	12	5.01	Dec. 22	5.27
Oct.	4.4	28	4.52	13	5.04		

32. Robert Nolan. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 14 S., R. 28 E. Drilled unused test well, diameter 6 inches, depth 138 feet. Measurements prior to May 1950 supplied by U. S. Engineering Dept. Records available: 1936-50.

Water level below land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 18, 1936	0.9	Oct. 12, 1939	1.0	Apr. 1943	2.3	Feb. 1947	1.5
Mar. 20	.8	Nov. 23	1.5	May	2.6	Mar.	1.1
Apr. 14	1.4	Dec. 21	1.9	June	2.4	Apr.	1.1
May 20	2.1	Jan. 18, 1940	1.9	July	1.7	May	1.7
June 16	1.5	Feb. 22	1.7	Aug.	1.2	June	1.3
July 15	1.4	Mar.	1.9	Sept.	.7	July	1.0
Aug. 18	1.6	Apr.	1.8	Oct.	.9	Aug.	1.0
Sept. 15	2.0	May	2.6	Nov.	1.4	Sept.	.4
Oct. 15	1.7	June	2.0	Dec.	1.6	Oct.	.4
Nov. 12	1.5	July	1.6	Jan. 1944	1.2	Nov.	.6
Dec. 10	1.6	Aug.	1.7	Feb.	1.7	Dec.	.6
Jan. 12, 1937	1.5	Sept.	1.4	Mar.	1.5	Jan. 1948	.9
Feb. 11	1.4	Oct.	1.7	Apr.	1.4	Feb.	.9
Mar. 12	1.2	Nov.	2.2	May	1.7	Mar.	.7
Apr. 13	1.1	Dec.	2.5	June	2.2	Apr.	1.5
May 14	1.2	Jan. 1941	1.4	July	1.2	May	2.2
June 11	1.6	Feb.	1.4	Aug.	1.0	June	2.5
July 22	2.3	Mar.	1.4	Sept.	.9	July	2.0
Aug. 12	1.8	Apr.	1.6	Oct.	.8	Aug.	1.5
Sept. 22	1.1	May	2.1	Nov.	1.1	Sept.	1.3
Oct. 13	.7	June	2.5	Dec.	1.4	Oct.	.7
Nov. 23	.9	July	1.0	Jan. 1945	1.2	Nov.	1.3
Dec. 9	.9	Aug.	1.1	Feb.	1.4	Dec.	1.1
Jan. 6, 1938	.7	Sept.	.7	Mar.	2.0	Jan. 1949	1.5
Feb. 11	.9	Oct.	.8	Apr.	2.3	Feb.	1.5
Mar. 15	1.2	Nov.	.6	May	2.7	Mar.	1.9
Apr. 14	1.7	Dec.	.7	June	3.2	Apr.	2.1
May 12	1.2	Jan. 1942	.7	July	1.6	May	2.6
June 9	2.5	Feb.	1.0	Aug.	1.0	June	2.8
July 22	1.7	Mar.	.7	Sept.	.6	July	1.9
Aug. 22	1.5	Apr.	1.0	Oct.	.6	Aug.	1.8
Sept. 15	1.6	May	1.7	Nov.	1.1	Sept.	1.2
Oct. 20	1.6	June	1.4	Dec.	1.1	Oct.	1.0
Nov. 17	1.3	July	1.1	Jan. 1946	.9	Nov.	.9
Dec. 15	1.5	Aug.	1.4	Feb.	1.4	Dec.	1.4
Jan. 19, 1939	2.0	Sept.	1.1	Mar.	1.1	Jan. 24, 1950	1.8
Feb. 10	2.3	Oct.	.5	June	1.5	Feb. 14	2.1
Mar. 22	2.7	Nov.	2.0	July	1.2	Mar. 14	2.3
Apr. 20	3.1	Dec.	2.0	Aug.	.9	Apr. 19	2.3
May 19	2.8	Jan. 1943	2.1	Sept.	.6	Aug. 8	2.52
June 15	2.5	Feb.	2.3	Oct.	.9	Oct. 20	1.03
July 27	1.5	Mar.	2.1	Jan. 1947	1.8	Nov. 29	1.57
Sept. 21, 1939	1.2						

Wakulla County

2. O. P. Shields. In St. Marks, about 75 feet north of Shields' Restaurant. Records available: 1946-50.

Daily mean water level, from recorder graph

Day	Jan.	Mar.	Apr.	May	June	July	Aug.	Oct.	Nov.	Dec.
1	2.25	....	1.96	1.78	2.23	2.65	2.47	....	....	2.94
2	2.05	....	1.79	1.70	2.43	2.65	2.60	....	....	2.84
3	1.95	....	1.60	1.70	2.35	2.64	2.67	2.52	....	2.48
4	1.60	....	1.37	1.83	2.38	2.65	2.67	2.56	....	2.41
5	1.80	....	1.47	1.91	2.28	2.66	2.71	2.75	....	2.47
6	1.85	....	2.17	1.97	2.46	2.62	2.79	2.72	....	2.12
7	2.15	....	2.20	2.07	2.53	2.53	2.78	2.32	....	1.95
8	2.43	1.61	1.98	2.18	2.43	2.08	2.80	2.07	....	2.29
9	2.15	2.23	1.94	2.19	2.42	2.00	2.79	....	....	2.18
10	2.00	2.25	1.88	2.15	2.48	1.90	2.80	....	....	2.35
11	2.03	2.00	1.83	2.22	2.55	1.70	2.80	....	....	2.53
12	2.10	1.95	1.94	2.27	2.60	1.75	2.80	....	....	2.32
13	2.10	1.78	1.99	2.25	2.67	1.90	2.80	....	....	2.39
14	2.15	1.86	2.20	2.16	2.61	2.03	2.73	....	2.81	2.29
15	2.15	1.87	2.45	2.03	2.63	2.09	2.73	....	2.75	2.17
16	2.05	....	2.50	1.97	2.65	2.03	2.62	....	2.63	2.19
17	2.15	....	2.22	1.96	2.63	2.13	2.58	....	2.68	2.28
18	2.15	....	1.78	1.90	2.68	2.17	2.67	....	2.83	2.58
19	2.10	....	....	2.03	2.74	2.27	2.75	....	2.60	2.67
20	2.35	....	1.81	2.12	2.68	2.37	2.59	....	2.59	2.60
21	2.40	....	2.11	2.16	2.75	2.43	2.61	....	2.95	2.58
22	2.39	....	2.20	2.07	2.85	2.47	2.67	....	2.89	2.55
23	2.30	....	2.15	2.13	2.98	2.47	2.67	....	2.83	2.51
24	2.20	....	....	2.23	3.04	2.48	2.53	....	2.72	2.48
25	2.24	....	1.95	2.30	3.13	2.50	2.47	....	3.33	2.50
26	2.35	....	1.62	2.45	3.21	2.32	2.42	....	3.28	2.42
27	2.35	....	1.70	2.58	3.15	2.35	2.20	....	3.15	2.36
28	2.35	....	1.78	2.50	2.88	2.31	1.85	....	3.18	2.41
29	2.30	....	1.77	2.35	2.63	2.30	1.65	....	3.22	2.25
30	2.25	....	1.73	2.19	2.55	2.28	1.00	....	3.04	2.27
31	....	....	....	2.02	....	2.30	....	....	....	2.62

11. U. S. Dept. of Interior. 3 miles southwest of Panacea at fire tower, on Ochlocknee Bay. Records available: 1946-50. Jan. 30, 7.74; Mar. 20, 7.92; May 1, 7.39; June 19, 8.04; Aug. 14, 7.13; Oct. 2, 8.11; Nov. 13, 8.49.

Walton County

10. Town of Freeport. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 1 N., R. 19 W. In Freeport. Records available: 1947-50. Jan. 30, +8.1; Mar. 21, +7.4; May 2, +8.6; June 20, +8.6; Aug. 15, +8.0; Oct. 3, +7.5; Nov. 14, +8.5.

13. O. H. Saltsman. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 1 S., R. 19 W., in Point Washington, 10 feet south of pump house. Records available: 1946-50. Jan. 30, +15.0; May 2, +15.8; June 20, +14.4; Aug. 15, +14.5; Oct. 3, +15.2; Nov. 14, +14.8.

14. Walton County. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 1 S., R. 19 W. Point Washington. Records available: 1946-50. Jan. 30, +11.1; Mar. 21, +9.4; May 2, +12.0; June 20, +10.2; Aug. 15, +11.0; Oct. 3, +11.3; Nov. 14, +11.2.

17. Citizens Oil Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 1 N., R. 19 W. East of Freeport, on northern tip of LaGrange Bayou. Records available: 1947-50. Jan. 30, +29.9; Mar. 21, +29.6; May 2, +30.5; June 20, +30.0; Aug. 15, +29.7; Oct. 3, +29.8; Nov. 14, +28.5.

19. U. S. Army. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 2 N., R. 21 W., at Eglin Auxiliary Field, in building 1204, on corner of Avenue "A" and 1st Sts. Records available: 1947-50. Mar. 22, 127.6; May 3, 127.6; June 23, 136.1; Aug. 16, 140.6; Nov. 15, 136.2.

Washington County

4. Town of Caryville. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 4 N., R. 16 W., 50 feet north of Louisville & Nashville railroad, in pump house. Records available: 1946-50. Mar. 22, 10.75; May 4, 11.05; June 23, 13.10; Aug. 17, 13.25; Oct. 7, 11.93; Nov. 17, 13.70.

GEORGIA

By G. H. Chase and S. M. Herrick

Scope of Water-Level Program

The observation-well program in Georgia, begun in 1938, was continued in 1950 in cooperation with the State Department of Mines, Mining, and Geology. Measurements were made in 146 wells, 5 of which are equipped with recording gages. Measurements were made in Baker County well 25 by the Emory University field station as part of a research program on malaria control.

Precipitation

From January through August precipitation was below normal. Above-normal precipitation in September and October was followed by a dry November. The average was 44.42 inches, making 1950 the driest year since 1941. The total amount of rainfall at Valdosta, Macon, and Millen was 5.27, 10.27, and 0.64 inches less in 1950 than in 1949. Total precipitation at the U. S. Plant Introduction Station, 12 miles southwest of Savannah, was 12.61 inches greater in 1950 than in 1949. There was a decrease of 5.48 inches at the Emory University Experiment Station near Newton and a decrease of 4.84 inches for the Atlanta area. Rainfall at the State Experiment Station in Spalding County decreased 6.85 inches.

Pumpage

In 1950 the total metered pumpage in the Savannah area increased by 509,624,000 gallons over that of 1949. Total metered pumpage in Brunswick increased by 284,617,000 gallons during 1950. The total metered pumpage of the St. Marys Kraft Corporation increased by 700 million gallons during 1950.

Interpretation of Water-Level Fluctuations

In the Coastal Plain, water levels at the close of 1950 were generally lower than during the previous December. Artesian water levels were 3 feet lower in the Savannah area. December water levels in Chatham County, excluding the industrial area, showed an increase of about 0.6 foot over 1949. On Wilmington and Tybee Islands the average year-end increase during 1950 amounted to 0.5 foot. In the southern part of Chatham County December water levels showed an average increase of 0.9 foot. In the northern and northwestern parts of the county, year-end water levels increased 1.0 and 0.1 foot, respectively, as compared with those of December 1949. Wells ending in the principal limestone aquifer showed lower year-end levels. In Bryan and Liberty Counties December water levels averaged 0.3 foot and 0.4 foot, respectively, lower in 1950 than in 1949. In McIntosh, Glynn, and Camden Counties, average year-end water levels showed decreases of 0.8 foot, 1.5 feet, and 1.7 feet, respectively. Year-end water levels in Brunswick decreased 2.7 feet. December water levels in well 18, at St. Marys, were 4.7 feet lower than previous year-end levels. Water levels in Appling, Brantley, Bulloch, Charlton, Effingham, Evans, Montgomery, Pierce, Screven, Ware, and Wayne Counties decreased in 1950.

Observation wells in the vicinity of Atlanta end in igneous and metamorphic rocks or surficial material weathered from them. The water table is highest in April and May, when precipitation is greatest, and lowest in December and January, when precipitation is least.

Well-Numbering System

Observation wells in Georgia are listed alphabetically by counties and numerically within each county.

Well Descriptions and Water-Level Measurements

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

Appling County

3. Filtered Rosin Products Co. Near Baxley. 300 feet south of U. S. Highway 341. Records available: 1941-43, 1945-47, 1949-50. Feb. 21, 129.92; Apr. 27, 129.9; July 17, 130.76; Dec. 12, 131.18.

Baker County

25. Emory University Field Station well 35. P. H. Thompson, Jr. 1 mile east of Baker-Early County line, about 0.6 mile north of Pine Grove Church. Drilled well, depth 28 feet. Records available: 1941-50.

Daily 8:30 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.73	16.56	15.92	9.78	12.40	15.45	16.81	17.78	15.71	16.88	18.14	18.63
2	17.71	16.56	15.88	9.74	12.50	15.51	16.86	17.78	14.35	16.94	18.17	18.63
3	17.71	16.56	15.86	9.77	12.59	15.57	16.91	17.80	13.87	17.01	18.19	18.63
4	17.68	16.59	15.83	9.83	12.71	15.63	16.95	17.81	13.69	17.07	18.21	18.63
5	17.68	16.62	15.69	9.96	12.84	15.69	17.02	17.83	13.66	17.12	18.23	18.63
6	17.68	16.64	15.21	10.08	13.0	15.74	17.06	17.84	13.74	17.18	18.25	18.68
7	17.68	16.66	14.63	10.13	13.15	15.80	17.12	17.87	13.86	17.23	18.28	18.68
8	17.68	16.68	14.13	10.12	13.29	15.86	17.16	17.89	14.01	17.29	18.31	18.68
9	17.68	16.69	13.73	10.06	13.43	15.90	17.19	17.92	14.20	17.33	18.33	18.67
10	17.67	16.69	13.41	10.02	13.61	15.93	17.22	17.94	14.39	17.38	18.34	18.67
11	17.67	16.69	13.11	10.03	13.72	15.96	17.25	17.96	14.57	17.42	18.36	18.66
12	17.66	16.68	12.90	10.07	13.84	15.98	17.27	17.98	14.76	17.46	18.38	18.66
13	17.57	16.68	12.79	10.16	13.95	16.02	17.29	18.0	14.93	17.51	18.40	18.66
14	17.47	16.68	12.75	10.29	14.06	16.08	17.32	18.01	15.11	17.56	18.42	18.66
15	17.38	16.66	12.76	10.41	14.16	16.13	17.36	18.04	15.27	17.61	18.46	18.64
16	17.28	16.61	12.73	10.57	14.25	16.17	17.40	18.07	15.41	17.66	18.48	18.62
17	17.20	16.58	12.44	10.70	14.34	16.21	17.43	18.09	15.56	17.71	18.50	18.58
18	17.11	16.57	11.76	10.81	14.43	16.24	17.46	18.11	15.70	17.78	18.51	18.54
19	17.07	16.56	11.28	10.93	14.52	16.29	17.50	18.12	15.85	17.81	18.53	18.44
20	17.02	16.56	10.80	11.06	14.60	16.33	17.51	18.13	15.96	17.84	18.54	18.36
21	17.0	16.56	10.51	11.19	14.69	16.38	17.53	18.15	16.07	17.87	18.56	18.26
22	17.0	16.56	10.36	11.34	14.77	16.42	17.56	18.16	16.18	17.89	18.59	18.17
23	16.99	16.48	10.23	11.47	14.85	16.46	17.59	18.19	16.30	17.92	18.61	18.08
24	16.99	16.34	10.17	11.57	14.93	16.51	17.61	18.20	16.32	17.94	18.61	18.0
25	16.67	16.21	10.04	11.66	14.99	16.55	17.64	18.22	16.41	17.97	18.61	17.94
26	16.66	16.11	9.90	11.78	15.06	16.59	17.66	18.23	16.49	17.98	18.61	17.89
27	16.64	16.04	9.73	11.92	15.13	16.64	17.68	18.24	16.59	18.01	18.62	17.86
28	16.61	15.99	9.64	12.06	15.19	16.69	17.70	18.26	16.68	18.03	18.63	17.83
29	16.58		9.68	12.17	15.26	16.73	17.72	18.28	16.75	18.06	18.63	17.79
30	16.57		9.81	12.30	15.32	16.77	17.74	18.29	16.82	18.09	18.63	17.76
31	16.56		9.83		15.39		17.76	18.31		18.11		17.73

Brantley County

9. U. S. Government. At Waynesville, about 1.4 miles north of Atlantic Coast Line Railroad, about 0.1 mile east of country road. Records available: 1941-43, 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	3.30	Apr. 29	3.24	July 29	3.63	Oct. 30	5.12
Feb. 27	3.86	May 30	3.94	Aug. 29	3.94	Nov. 29	2.76
Mar. 29	3.16	June 29	4.91	Sept. 29	4.50	Dec. 30	3.92

Bryan County

52. U. S. Dept. of the Army. At Clyde. Records available: 1939-50. July 12, +4.58; Dec. 8, +4.80.

55. U. S. Dept. of the Army. At Clyde. Records available: 1939-50. July 12, 2.78; Dec. 8, 3.02.

87. Henry Ford. At Richmond Hill, about 500 feet west of intersection of U. S. Highway 17 and Bryan Neck road. Records available: 1939-50. July 12, 0.63; Dec. 8, 0.16.

87a. Henry Ford. At Richmond Hill, about 500 feet west of intersection of U. S. Highway 17 and Bryan Neck road. Records available: 1939-50. July 12, 1. 19.

96. J. W. Harden. About 1.7 miles south of Keller, about 300 feet east of Bryan Neck road. Water level affected by tide. Records available: 1939-50. July 13, +7.29; Dec. 9, +7.52.

119. Henry Ford. At Kilkenny, about 4.5 miles southeast of Keller. Water level affected by tide. Records available: 1939-47, 1949-50. July 13, +7.01; Dec. 9, +7.22.

144. U. Butler. At Eldora, about 200 feet east of county road, on north side of brick store. Records available: 1942-50. July 11, 21.21; Dec. 7, 21.13.

146. L. W. Smith. About 2.25 miles northeast of Lanier, south side of State Highway 30, at site of abandoned Civilian Conservation Corps camp. Records available: 1941-50. Dec. 7, 22.85.

148. Henry Ford. In Keller, about 80 feet west of Bryan Neck road, about 200 feet north of Belfast road. Records available: 1940-50. July 13, +4.66; Dec. 9, +5.10.

149. Henry Ford. About 5.5 miles southeast of Richmond Hill, at the Jack Griswold Place. Records available: 1940-47, 1949-50. July 13, +3.29; Dec. 9, +3.30.

150. Henry Ford. In Richmond Hill, 1 mile north of U. S. Highway 17, about 200 feet east of State Highway 63. Records available: 1940-50. July 12, +9.02; Dec. 8, +9.75.

151. Henry Ford. About 0.9 mile west of Keller, on west bluff of Tivoli River, north side of Belfast road. Records available: 1941-50. July 13, +5.48; Dec. 9, +5.10.

161. Henry Ford. At Kilkenny, about 4.5 miles southeast of Keller, about 300 feet north of clubhouse near edge of marsh at oyster house. Water level affected by tide. Records available: 1941-47, 1949-50. July 13, +11.25; Dec. 8, +10.95.

171. Deal & Purvis. In Belfast, about 110 feet east of bluff, near center of right-angled bend in Belfast River. Water level affected by tide. Records available: 1942-50. July 13, +7.31; Dec. 9, +6.63.

Bulloch County

71. Wingate Faceville. 1 mile east of Statesboro, at abandoned packing plant. Unused industrial well, diameter 8 inches, depth 390 feet. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1948		Mar. 31	68.2	Nov. 30	68	June 30	71.3
Oct. 29	68.0	Apr. 30	68.5	Dec. 31	68	July 31	70.3
Nov. 29	70.7	May 31	68.7	1950		Aug. 31	70.7
Dec. 29	68.2	June 29	68.2	Jan. 31	68.2	Sept. 29	69.3
1949		July 31	68.2	Feb. 28	68.3	Oct. 31	69
Jan. 29	69.5	Aug. 30	68.2	Mar. 31	69.3	Nov. 30	70
Feb. 1	67.7	Sept. 30	68.2	Apr. 28	68.5	Dec. 30	68.8
28	68.3	Oct. 31	68.2	May 30	69.2		

Camden County

8. M. L. Hill. In Kingsland. Records available: 1938-50. July 14, +20.21; Dec. 11, +20.55.

12. J. J. Godley. In Kingsland, about 300 feet north of St. Marys road, on west side of U. S. Highway 17. Records available: 1938-50. July 14, +20.98; Dec. 11, +21.58.

18. L. O. Harris. In St. Marys, about 0.8 mile north of Riverview Hotel, on east side of State Highway 40. Records available: 1938-50. July 18, +19.94; Dec. 11, +20.60.

59. Zack Colson. About 3.5 miles southeast of Woodbine, 0.6 mile south of Satilla River. Records available: 1939-46, 1949-50. Aug. 12, +29.58; Dec. 11, +27.68.

61. Camden Properties. In Billysville, 2 miles east of Coleburg, at west end of tenant quarters. Records available: 1939-47. Measurement discontinued.

68. Kings Bay Club. At Kings Bay. Records available: 1939-47, 1949-50. July 18, +38.58; Dec. 10, +39.57.

92a. Camden Race Track. On north side of St. Marys road, at race track. Records available: 1939-50. July 18, +32.33; Dec. 11, +30.51.

118. Oscar Silcox. On old Folkston road, about 0.1 mile south of road. Records available: 1939-50. July 18, +36.68; Dec. 11, +37.37.

144. T. C. Haygood. In Woodbine, on east side of U. S. Highway 17, 0.5 mile south of road to Folkston. Records available: 1939-43, 1945-50. July 14, +33.48; Dec. 11, +33.77.

Charlton County

7. State of Georgia. 1 mile southwest of Folkston, at State convict camp. Records available: 1941-43, 1945-50. July 18, 16.83; Dec. 11, 16.21.

Chatham County

30. Dixie Asphalt Corp. Near west bank of Savannah River, 1 mile northeast of U. S. Highway 17. Records available: 1938-50. Aug. 31, 62.2; Dec. 7, 59.85.

43. Southern Cotton Oil Co., well 215A. South well, 40 feet north of Lathrop Ave., 1,200 feet southwest of southwest bank of Savannah River, 1.75 miles northwest of Savannah city hall. Records available: 1940-50. Aug. 31, 90.12; Dec. 7, 71.10. North well pumping during both measurements.

46. Union Bag & Paper Corp. well 5. About 800 feet southwest of Savannah River. Records available: 1939-41, 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	123.6	Apr. 1	120.6	June 15	129.6	Sept. 1	132.6
13	129.6	13	124.6	23	129.6	13	151.6
17	122.6	20	129.6	July 1	139.6	20	139.6
26	127.6	26	131.6	14	132.6	29	139.6
Feb. 2	125.6	May 7	133.6	20	134.6	Oct. 13	134.6
10	127.6	13	131.6	28	129.6	28	129.6
15	125.6	20	129.6	Aug. 3	129.6	Nov. 3	129.6
20	125.6	28	129.6	13	129.6	10	125.6
Mar. 2	129.6	June 2	129.6	16	134.6	16	129.6
17	127.6	8	129.6	26	139.6	Dec. 1	129.6
23	127.6						

63. Colonial Ice Co. In Savannah, 5 feet northwest of McGuire St., about 105 feet northwest of Indian St. Records available: 1939-50. July 11, 76.7; Dec. 8, 66.03.

76. Pierpont Manufacturing Co. About 600 feet southwest of Savannah River. Records available: 1939-50. July 12, 88.77; Dec. 7, 80.55.

81. Gordon Saussy. Near west bank of Savannah River, south of Savannah sugar refinery. Records available: 1940-50. Aug. 31, 57.75; Dec. 7, 45.78.

84. Standard Oil Co. About 150 feet south of Savannah River. Records available: 1940-50. July 11, 34.25; Dec. 8, 29.38.

86. Southern Cotton Oil Co. well 2150. In Savannah, about 180 feet north of Lathrop Avenue property line, about 1,050 feet south of Savannah River. Records available: 1940-47, 1949-50. Aug. 31, 92.25, pumping; Dec. 7, 84.94, pumping.

100. Producers Cooperative Association. In Savannah, 1,000 feet south of Savannah River, about 100 feet north of west end of main building. Records available: 1944-50. July 11, 41.75; Dec. 7, 32.64.

109. State Highway Department. South of west abutment of Savannah River bridge on U. S. Highway 17. Records available: 1938-50. Dec. 7, 19.6.

112. Mrs. L. O. Givern. In Bloomingdale, about 200 feet north of Central of Georgia Railway station, about 90 feet west of Town Street. Records available: 1938-41, 1945-50. July 11, 4.63; Dec. 7, 3.83.

121. Robert Schneider. About 50 feet north of Tybee Road, in northwestern part of Tybee Island. Records available: 1939-50. July 11, 6.71; Dec. 9, 7.45.

122. State Highway Department. Near southwest end of steel truss bridge over Bull Fiver on Tybee Road. Records available: 1938-50. July 11, 15.61; Dec. 8, 13.94.
123. Henry Walthour Estate. On Wilmington Island, on southwest side of dirt road, about 0.5 mile south of Tybee road. Records available: 1939-50. July 11, 13.01; Dec. 8, 10.59.
- 128a. Southeastern Medical Center. On Oatland Island. 200 yards east of main building. Records available: 1947. Measurement discontinued.
131. C. E. Oliver. At Monteith, on east side of State Highway 21, 0.8 mile northwest of crossing of Atlantic Coast Line Railroad. Records available: 1938-50. Aug. 31, 13.6; Dec. 7, 10.63.
134. J. C. Sheffield. About 100 feet southwest of intersection of Waters Ave. and Montgomery Road. Records available: 1938-50. Aug. 30, 30.87; Dec. 8, 30.13.
137. C. P. Rowland. In northern part of Montgomery, on east side of Ferguson Ave. Records available: 1938-47. Measurement discontinued.
145. A. G. Gillespie. On north side of U. S. Highway 17, 0.25 mile east of Little Ogeechee River. Records available: 1938-50. Aug. 30, 1.43; Dec. 8, 0.68.
169. L. J. Carter. On north side of Pine Barren road, 2.75 miles east of Ogeechee River. Records available: 1938-49. Measurement discontinued.
174. Mrs. Eda W. Sapp. About 750 feet north of Pine Barren road, 0.5 mile east of Ogeechee River. Records available: 1938-50. Dec. 7, +5.9.
194. Mrs. W. W. Keller, Sr. At Drakie Bluff, on west bank of Savannah River, about 8 miles northwest of Savannah. Records available: 1938-50. Dec. 7, 22.16.
213. J. L. Budreau. At intersection of Burroughs Road and U. S. Highway 17. Records available: 1939-50. Aug. 30, 2.05; Dec. 8, 1.23.
266. J. F. Chisholm. 1 mile east of Augusta Road. Records available: 1939-50. Aug. 31, 8.68; Dec. 7, 7.38.
269. J. W. Pierpont Estate. Isle of Hope. Water level affected by tide. Records available: 1939-50. Elevation of tide in Skidaway River, in feet below measuring point, July 12, 14.14. Water level in well, in feet below land-surface datum, July 12, 18.96; Dec. 8, 17.16.
273. C. A. Gross. On west side of Isle of Hope road. Records available: 1939-50. July 12, 27.17; Dec. 8, 23.0.
279. J. B. Pound Hotel Corp. On Wilmington Island, at General Oglethorpe Hotel. Records available: 1939-50. July 11, 26.38; Dec. 8, 21.22.
314. J. M. Breckenridge. About 600 feet west of White Bluff Road, 0.3 mile north of Buckhalter road. Records available: 1940-50. July 12, 36.78; Dec. 8, 32.02.
321. R. C. Hinley. About 8.25 miles south of Savannah city hall, 100 feet north of Vernonburg Ave., 0.1 mile east of White Bluff road. Records available: 1940-50. July 12, 15.51; Dec. 8, 13.13.
328. U. S. Dept. of the Army. At Fort Screven, on Tybee Island. Records available: 1940-50. July 11, 10.6; Dec. 8, 10.66.
330. State Highway Department. On southeast side of U. S. Highway 17. Records available: 1941-47, 1949-50. July 12, 4.49; Dec. 8, 3.32.
331. J. E. Poythress. At Jelma Inn, 0.4 mile southeast of Chatham-Effingham County Line, along State Highway 21, about 50 feet northeast of highway. Records available: 1942-49. No measurement made in 1950.
332. Louis Lucas. In Bloomingdale, about 50 feet north of U. S. Highway 80, 0.3 mile east of Bloomingdale crossroads. Records available: 1942-48. Measurement discontinued.
343. U. S. Dept. of Agriculture. At Barbour Lathrop Plant Introduction Station, about 200 feet northeast of Fort Argyle road. Records available: 1942-50.

343--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.77	7.59	8.32	5.47	5.44	6.83	6.55	5.09	7.04	3.31	3.10	4.29
2	6.73	7.59	8.40	....	5.38	6.76	6.65	5.19	7.02	3.40	3.18	4.32
3	6.73	7.61	8.43	5.53	5.38	6.68	6.78	5.31	7.05	3.48	3.23	4.33
4	6.80	7.65	8.45	5.58	5.43	4.16	6.83	5.40	7.08	3.58	3.23	4.40
5	6.84	7.68	8.43	5.59	5.50	3.75	6.85	5.49	.55	....	3.33	4.40
6	6.86	7.69	8.34	5.54	5.59	3.80	6.85	5.58	.39	....	3.43	4.42
7	6.92	7.68	8.19	5.48	5.68	3.94	6.80	5.70	.20	....	3.50	4.43
8	7.02	7.75	8.11	5.42	5.80	4.07	5.50	5.79	.70	....	3.53	4.30
9	7.02	7.76	8.07	5.41	5.90	4.17	4.26	5.88	1.20	....	3.59	4.24
10	7.05	7.77	7.96	5.46	5.99	4.26	4.03	5.97	1.63	4.08	3.66	4.24
11	7.11	7.81	7.83	5.48	6.09	4.36	4.01	6.08	1.88	4.15	3.74	4.27
12	7.13	7.85	7.73	5.53	6.10	4.52	4.03	6.03	2.08	4.21	3.80	4.32
13	7.15	7.86	7.72	5.61	6.25	4.63	4.12	5.95	.95	4.33	3.91	4.42
14	7.19	7.88	7.51	5.72	6.36	4.73	4.25	5.94	1.49	4.40	3.95	4.47
15	7.22	7.91	7.33	5.76	6.40	4.84	4.40	5.96	1.87	4.49	4.0	4.45
16	7.24	7.94	7.01	5.87	6.48	4.88	4.55	6.02	2.14	4.60	4.40	4.46
17	7.27	7.97	6.81	5.91	6.57	4.93	4.67	6.12	2.31	4.64	4.08	4.46
18	7.27	8.02	....	5.97	6.63	5.05	4.76	6.18	2.40	4.57	4.06	4.54
19	7.31	8.01	....	6.05	6.69	5.17	4.90	6.26	1.67	2.44	4.10	4.55
20	7.39	8.06	....	6.11	6.73	5.28	5.0	6.35	2.08	2.19	4.07	4.57
21	7.40	8.08	5.88	6.25	6.81	5.38	5.10	6.48	2.32	1.56	3.96	4.65
22	7.40	8.07	5.69	6.33	6.86	5.48	5.18	6.53	2.50	1.68	3.94	4.66
23	7.45	8.11	5.56	6.38	6.87	4.60	5.20	6.61	2.63	1.97	4.02	4.69
24	7.49	8.13	5.49	6.47	6.86	4.72	5.19	6.68	2.77	2.21	4.06	4.72
25	7.55	8.13	5.47	6.54	6.89	4.57	5.21	6.72	2.89	2.37	4.07	4.78
26	7.58	8.13	5.48	6.30	6.95	5.83	5.25	6.77	2.99	2.48	4.09	4.79
27	7.59	8.31	5.56	6.28	7.01	6.02	5.23	6.84	3.09	2.61	4.15	4.85
28	7.60	8.35	5.61	6.04	7.07	6.19	5.03	6.84	3.16	2.70	4.20	4.85
29	7.58		5.57	5.76	7.14	6.32	4.93	6.86	3.19	2.78	4.22	4.86
30	7.57		5.55	5.55	7.04	6.46	4.96	....	3.23	2.92	4.26	4.77
31	7.57		5.51	6.93		6.93	5.06	6.98		3.01		4.62

Chattahoochee County

9. U. S. Dept. of the Army. At Fort Benning, east side of Lawson Air Field, 100 yards east of Indian Head road where it crosses the edge of flying field. Drilled unused well, diameter 12 inches, depth 568 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 11	2.81	June 30	9.56	Aug. 30	11.37	Oct. 31	6.44
31	5.50	July 31	11.04	Sept. 29	8.90	Nov. 30	5.05

Clayton County

7. H. P. Lieuppo. At Forest Park, about 0.5 mile south of Highway bridge over Central of Georgia Railway and 43 feet west of center of U. S. Highway 41. Records available: 1943-50. July 6, 34.67; Dec. 4, 34.75.

26. A. C. Crane. At Forest Park, about 3 miles south of Fulton-Clayton County line along U. S. Highway 41 and 100 feet south of tourist court on east side of highway. Records available: 1943-50. July 6, 32.18; Dec. 4, 30.84.

27. J. L. Paul. Forest Park, about 4 miles south of Fulton-Clayton County line, along U. S. Highway 41 and 150 feet east of center of highway. Records available: 1943-50. July 8, 36.83; Dec. 4, 39.75.

Cobb County

11. Mrs. J. H. Carmichael. At Oakdale, about 0.8 mile northwest of Log Cabin Drive underpass under Georgia Power Co. electrical railway and 102 feet east of center of Log Cabin Drive. Records available: 1943-50. July 7, 23.58; Dec. 4, 25.80.

14. J. A. Rust. At Smyrna, about 1.75 miles along U. S. Highway 41 northwest of Locust Grove Baptist Church in Oakdale, and 250 feet west of center of U. S. Highway 41. Records available: 1943-50. July 7, 41.66; Dec. 4, 43.13.

21. Lewis Ray. At Oakdale, on U. S. Highway 41, about 0.4 mile north of highway bridge over Nashville, Chattanooga & St. Louis Railway, and about 42 feet east of center of highway. Records available: 1943-50. July 7, 30.59; Dec. 4, 31.89.

25. J. T. Cox. At Oakdale, on Log Cabin Drive, about 0.34 mile northwest of underpass under Georgia Power Co. electrical railway. Records available: 1943-50. July 7, 14.81; Dec. 4, 15.36. (Correction for 1949: Aug. 4, 15.05; Dec. 16, 14.79.)

27. R. D. Webb. At Oakdale, on Log Cabin Drive and approximately 150 feet north of center of Log Cabin Drive. Records available: 1943-50. July 7, 19.13; Dec. 4, 21.60.

52. C. C. Johnson. At Oakdale, about 0.2 mile north of Southern Railway along Oakdale road and 100 feet west of center of road. Records available: 1943-50. July 6, 12.71; Dec. 4, 14.47.

71. D. W. Cook. At Oakdale, about 0.1 mile east of Camp Highland road and 27 feet northeast of house. Records available: 1943-50. July 6, 53.50; Dec. 4, 54.0.

74. A. P. Hogan. At Marietta, about 0.55 mile southeast of intersection of State Highways 3 E and 220, on State Highway 3 E and 28 feet southwest of house. Records available: 1943-50. July 7, 47.26; Dec. 4, 47.02.

83. National Park Service. At Kennesaw Mountain National Park, about 0.55 mile west of U. S. Highway 41, and 250 feet north of center of east-west road. Records available: 1943-50. July 7, 4.95; Dec. 4, 4.59.

85. D. C. Hames. Near Kennesaw Mountain National Park, on U. S. Highway 41, about 0.4 mile northwest of highway bridge over Nashville, Chattanooga & St. Louis Railway, 45 feet east of center of highway. Records available: 1943-50. July 7, 24.15; Dec. 4, 23.46.

De Kalb County

17. Mrs. J. H. Anderson. In Atlanta. On U. S. Highway 42, about 0.55 mile south of highway bridge over Southern Railway, 98 feet east of center of highway. Records available: 1943-50. July 7, 34.0; Dec. 5, 34.30.

29. Mrs. A. H. Daniel. In Decatur, about 0.75 mile north of intersection of Glenwood Road and Columbia Drive, about 75 feet east of center of Columbia Drive. Records available: 1944-50. July 7, 38.60; Dec. 5, 37.96.

34. I. W. Williams. In Panthersville, about 0.35 mile west of intersection of Candler and Flat Shoals roads and about 150 feet south of center of Flat Shoals Road, on top of hill. Records available: 1944-50. July 7, 48.47; Dec. 5, 49.08.

39. L. N. Fassett. In Decatur, about 0.45 mile north of intersection of Columbia Drive and Glenwood Road, 138 feet east of center of Columbia Drive. Records available: 1944-50. July 7, 38.95; Dec. 5, 39.31.

40. Lamar Westfall. In Decatur, about 0.75 mile east of intersection of Glenwood and Candler Roads, 370 feet south of center of Glenwood Road, in bottom of valley. Records available: 1944-50. Dec. 5, 3.01.

50. Miss A. M. Lyle. In Atlanta, about 2.43 miles south of intersection of Moreland Ave. and Memorial Drive, 125 feet east of center of Moreland Ave. Records available: 1944-50. July 7, 33.64; Dec. 5, 33.72.

Effingham County

6. W. B. Butler. In Eden, on east side of U. S. Highway 80, about 0.3 mile northwest of crossing of Central of Georgia Railway and U. S. Highway 80. Records available: 1939-50. July 11, 2.71; Dec. 7, 2.64.

7. Central of Georgia Railway. In Meldrim, between Central of Georgia Railway and Seaboard Air Line Railway, about 200 feet west of station. Records available: 1939-44. Measurement discontinued.

20. J. D. Hagin. In Pineora, 3 miles south of Guyton, 0.2 mile west of Central of Georgia Railway. Records available: 1939-50. July 11, 40.17; Dec. 7, 39.98.

Evans County

3. City of Claxton. At Claxton, at city waterworks plant, about 300 feet south of Seaboard Air Line Railway. Records available: 1940-50. July 10, 112.72; Dec. 6, 113.32.

Fulton County

7. City of College Park. In College Park at base of west side of large steel filter tank, at city waterworks. Records available: 1943-50. July 6, 38.07; Dec. 4, 38.58.

8. City of College Park. At College Park, about 30 feet north of Oglethorpe St. extended. Records available: 1943-48. Measurement discontinued.

20. City of East Point. On Plant Street, about 0.1 mile south of Taylor Ave., 38 feet east of center of street. Records available: 1943-50. July 6, 26.19.

26. O'Neill Bros. At East Point, about 98 feet east of Central of Georgia Railway and 6 feet west of warehouse. Records available: 1943-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	17.52	16.95	16.67	17.58	17.96	17.52	17.48	17.52	17.07	17.83	18.52
2	.....	.....	17.50	16.70	17.56	17.96	17.55	17.49	17.44	17.11	17.83	18.51
3	17.46	.....	17.50	16.70	17.54	17.89	17.61	17.49	17.41	17.08	17.81	18.36
4	17.52	.....	17.90	16.79	17.51	17.72	17.62	17.51	17.37	17.05	17.85	18.52
5	17.59	.....	16.99	16.83	17.51	17.67	17.64	17.55	17.45	17.15	17.98	18.61
6	17.57	.....	16.92	16.88	17.56	17.66	17.65	17.56	17.49	17.22	18.02	18.57
7	17.68	.....	16.87	16.90	17.58	17.67	17.70	17.60	17.32	17.25	18.03	18.59
8	17.66	.....	16.75	16.90	17.67	17.65	17.76	17.61	16.90	17.50	18.01	18.51
9	.....	.....	16.86	16.95	17.70	17.35	17.80	17.62	16.77	17.28	18.03	18.31
10	17.51	17.35	16.80	16.97	17.70	17.19	17.84	17.61	16.72	17.33	18.10	18.30
11	17.43	17.24	16.68	16.95	17.71	17.11	17.87	17.64	16.72	17.36	18.13	18.30
12	17.47	17.15	16.65	17.01	17.68	.....	17.90	17.66	16.71	17.41	18.15	.....
13	.....	17.06	16.61	17.03	17.67	.....	17.90	17.66	16.79	17.51	18.20	.....
14	.....	17.0	16.65	17.09	17.60	.....	17.91	17.70	16.71	17.55	18.22	.....
15	.....	17.01	16.58	17.15	17.62	.....	17.91	17.71	16.68	17.58	18.24	18.49
16	.....	16.96	16.42	17.18	16.68	.....	.....	17.72	16.72	17.67	18.21	18.55
17	.....	16.98	16.53	17.15	17.72	.....	17.90	17.73	16.79	17.68	18.24	18.56
18	17.39	16.99	16.46	17.18	17.72	.....	17.83	17.73	16.82	17.65	18.27	18.63
19	17.40	16.96	16.55	17.23	17.73	17.14	17.86	17.76	16.80	17.55	18.27	18.63
20	17.50	17.01	16.48	17.26	17.77	17.19	17.87	17.78	16.77	17.56	18.24	18.61
21	17.45	16.94	16.51	17.34	17.83	17.22	17.90	17.80	16.76	17.52	18.30	18.64
22	.....	16.82	16.49	17.36	17.84	17.23	17.92	17.85	16.68	17.55	18.30	18.58
23	.....	16.98	16.57	17.36	17.84	17.25	17.94	17.82	16.73	17.59	18.39	.....
24	.....	16.90	16.57	17.36	17.82	17.28	17.96	17.96	16.83	17.60	18.39	.....
25	.....	16.91	16.61	17.37	17.84	17.29	17.94	17.97	16.94	17.62	18.39	.....
26	.....	16.98	16.58	17.45	17.87	17.31	17.91	17.93	16.97	17.68	18.35	.....
27	.....	17.0	16.50	17.47	17.87	17.32	17.91	17.75	16.99	17.70	18.39	18.66
28	.....	16.95	16.57	17.52	17.87	17.37	17.85	17.68	17.01	17.74	18.47	18.64
29	.....	.....	16.66	17.56	17.93	17.37	17.62	17.65	17.02	17.76	18.49	18.60
30	17.45	.....	16.75	17.57	17.90	17.45	17.52	17.64	17.02	17.80	18.45	18.51
31	17.49	.....	16.75	.....	17.94	.....	17.51	17.63	.....	17.81	.....	18.60

31. City of East Point. About 0.25 mile southwest of junction of Semmes St., and Neely Ave. Records available: 1943-50. July 6, 12.95.

32. International Minerals & Chemical Corp. At East Point, about 0.25 mile south of junction of Taylor Ave. and Central St. and 52 feet east of main fertilizer shed. Records available: 1943-50. July 6, 31.77; Dec. 4, 32.32.

43. American Agriculture & Chemical Co. At East Point, about 130 feet northeast of center of Central St. Records available: 1943-49. Measurement discontinued.

75. Pure Oil Co. At Bolton, about 140 feet north of intersection of Bolton road and U. S. Highway 78, 50 feet east of center of Bolton road. Records available: 1944-50. July 6, 35.21, Dec. 4, 30.94.

77. Mrs. Cory C. Helms. At Bolton, about 0.1 mile north of intersection of Bolton road and U. S. Highway 78, 95 feet east of center of Bolton road. Records available: 1943-50. July 6, 21.22; Dec. 4, 22.69.

Glynn County

3. Atlantic Refining Co. well 3. At Arco, about 1 mile north of Brunswick, about 1,100 feet southwest of office of Atlantic Refining Co. Records available: 1938-50.

3--Continued.

Daily high and low water levels, above lsd, from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	26.1	25.5	25.3	24.6	....	....	27.3	27.0	30.7	28.6	24.0	23.2
2	26.3	25.6	25.3	24.7	27.0	26.6	27.5	27.0	28.7	28.2	23.9	23.0
3	26.2	25.3	25.2	24.5	27.0	26.5	27.7	27.1	28.4	27.0	24.0	23.0
4	26.3	25.6	25.0	24.1	27.2	26.8	27.6	27.0	28.1	25.7	24.0	23.2
5	26.2	25.5	25.0	24.1	27.1	26.8	27.4	27.1	26.2	25.1	24.0	23.2
6	26.3	25.6	25.4	24.2	27.3	26.7	27.3	27.1	26.1	25.1	23.9	23.2
7	28.2	25.4	25.3	24.3	27.4	27.2	27.3	27.0	26.0	25.2	23.7	23.0
8	25.6	25.0	25.0	24.3	27.2	26.9	27.5	27.1	25.6	25.0	23.7	23.0
9	28.0	24.8	26.5	24.4	....	....	27.8	27.1	25.0	24.5	23.5	22.9
10	26.4	25.2	26.6	24.3	27.2	26.7	27.7	27.1	25.3	24.4	23.7	23.0
11	26.3	25.1	25.2	24.3	27.5	26.8	27.8	27.1	25.0	24.3	24.1	23.9
12	26.2	25.0	24.5	24.3	27.5	26.8	27.6	27.2	25.2	24.3	23.8	23.3
13	26.0	25.1	25.2	24.4	27.4	26.8	27.6	27.1	25.2	24.3	23.4	23.0
14	26.1	25.1	25.2	24.7	27.0	26.8	27.4	27.2	25.1	24.5	23.4	23.0
15	25.8	25.0	25.1	24.3	27.1	26.6	27.3	27.1	25.1	24.4	23.3	23.0
16	25.7	24.9	24.6	24.3	29.4	26.9	27.2	27.1	25.1	24.5	23.3	22.9
17	25.2	24.4	24.6	24.1	....	....	27.5	27.0	25.0	24.5	23.2	22.9
18	25.4	24.6	24.3	24.0	....	....	27.4	27.0	25.1	24.4	23.1	22.8
19	25.7	24.8	25.0	24.1	....	....	27.4	27.0	24.9	24.2	23.1	22.7
20	25.2	24.3	24.7	24.1	....	....	27.6	27.0	25.0	23.9	22.8	22.1
21	24.9	24.4	24.9	24.0	27.2	27.0	27.3	26.8	25.0	24.2	22.3	21.9
22	25.3	24.4	25.1	24.3	27.2	26.9	27.5	26.8	24.9	24.2	26.4	21.7
23	25.6	24.4	24.5	24.0	27.2	26.9	27.5	26.8	24.6	24.0	24.4	22.3
24	25.5	24.3	24.6	23.9	27.7	26.9	29.7	27.2	24.6	24.0	23.1	22.2
25	25.5	24.4	24.9	23.9	27.6	26.9	30.3	30.0	24.5	23.8	23.1	22.3
26	25.4	24.6	....	....	27.5	26.9	....	....	24.4	23.5	22.9	22.2
27	25.5	24.5	....	....	27.5	26.8	30.0	29.8	24.3	23.4	23.4	22.2
28	24.8	24.4	....	....	26.9	26.8	30.1	29.9	24.2	23.4	23.3	22.5
29	25.3	24.4	....	....	27.5	26.8	30.4	29.6	24.4	23.2	....	....
30	25.4	24.6	....	....	27.2	26.9	30.9	29.9	23.8	23.2	....	....
31	25.4	24.5	....	....	27.2	26.9	....	....	24.1	23.2	....	....

Daily high and low water levels, above lsd, from recorder graph

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	....	....	22.1	21.9	22.0	21.2	19.7	19.2	22.3	20.5	21.3	19.5
2	....	....	22.4	21.5	22.1	21.3	20.1	19.0	22.2	20.4	21.1	19.3
3	....	....	22.1	21.4	22.0	20.8	20.8	19.1	21.3	20.4	21.3	20.4
4	....	....	23.6	21.4	21.4	21.1	21.2	19.4	21.2	20.3	20.7	19.8
5	22.1	21.6	23.6	22.2	....	....	20.6	20.0	20.7	20.0	19.5	19.0
6	22.3	21.6	22.6	21.8	....	....	21.0	20.1	20.6	19.0	21.1	19.5
7	22.1	21.7	22.1	21.5	20.6	18.9	20.7	20.2	20.5	19.9	21.1	19.3
8	22.5	21.9	22.4	21.9	20.9	19.6	21.0	20.3	20.9	19.4	20.0	19.2
9	22.5	22.0	22.6	22.0	20.6	19.5	21.1	20.3	21.1	19.6	19.3	19.0
10	22.6	21.9	22.4	21.7	21.0	19.4	....	....	21.1	19.5	22.1	20.6
11	22.4	21.7	22.7	21.8	20.6	18.9	21.3	21.0	20.7	19.5	21.5	20.7
12	22.7	22.0	22.9	21.6	20.2	18.9	22.5	21.1	20.2	19.4	22.1	20.6
13	22.8	22.3	23.1	21.8	21.4	18.9	21.9	20.9	21.0	20.3	21.8	20.5
14	22.5	22.1	22.3	21.6	20.2	19.0	22.0	20.9	22.4	20.5	21.4	20.6
15	22.5	22.1	22.5	21.7	20.4	19.0	22.1	20.9	22.5	20.6	21.4	20.1
16	22.9	21.9	23.1	21.7	20.4	18.7	21.4	21.0	22.2	20.6	21.3	19.6
17	22.3	21.8	23.1	21.7	20.6	18.7	21.3	20.9	21.6	20.6	20.4	19.8
18	22.2	21.7	22.3	20.8	20.5	18.6	....	....	22.0	20.6	20.5	19.7
19	22.3	21.7	22.4	20.7	20.6	18.9	....	....	22.2	20.6	21.0	18.6
20	22.4	21.7	22.4	20.7	20.9	19.3	....	....	....	....	20.7	19.4
21	22.9	21.7	21.4	20.1	21.0	19.5	....	....	....	....	19.8	19.1
22	23.0	21.8	22.7	20.1	21.2	19.8	....	....	22.1	20.5	21.2	18.8
23	22.3	22.1	22.1	20.9	21.3	19.8	....	....	22.1	20.6	27.0	20.0
24	22.0	21.7	21.8	20.9	21.1	20.0	21.7	20.7	21.8	20.6	27.8	26.2
25	22.2	21.3	21.7	20.6	20.5	19.9	21.6	20.7	26.9	16.8	28.6	26.8
26	22.3	20.6	21.4	20.2	20.4	20.1	21.2	20.3	23.0	21.2	28.8	22.2
27	22.3	21.3	21.2	20.1	20.3	19.8	23.3	19.7	21.9	20.5	22.1	20.7
28	22.4	21.3	21.5	20.5	20.4	19.9	20.7	19.7	21.4	20.3	20.9	20.2
29	22.4	21.5	21.7	20.3	20.0	19.5	20.8	19.4	21.4	19.9	20.5	19.9
30	22.1	21.4	21.8	21.2	20.5	19.5	21.1	19.4	21.2	19.6	20.4	19.9
31	....	21.3	22.1	21.1	....	....	21.1	19.6	....	....	20.3	19.4

13. U. S. Dept of Commerce. On St. Simon Island, at lighthouse. Water level affected by tide. Records available: 1938, 1940-50. July 14, +29.89; Dec. 10, +32.06.

37. F. G. Horne. On St. Simon Island, about 0.25 mile south of Fort Frederica. Water level affected by tide. Records available: 1939, 1941-50. July 14, +26.84, Dec. 10, +26.92.

44. Sea Island Co. On St. Simon Island, on north side Sea Island Rd., 0.5 mile west of Cloister Hotel, at Gun Club. Water level affected by tide. Records available: 1939-50. Water level in Black Bank River, in feet above mean sea level, July 14, 12:39 p.m., +12.05, Dec. 10, 2:06 p.m., +15.10. Water level in well, July 14, +36.94; Dec. 10, +33.84.

63. S. L. Lewis. About 0.7 mile west of Southern Junction, about 300 feet northeast of U. S. Highway 341, 0.5 mile southeast of Burnett Creek. Records available: 1939, 1942-50. July 14, +13.63; Dec. 10, +13.68.

100. New England Tourist Camp. On U. S. Highway 17, about 6.1 miles south of bridge over Altamaha River, about 300 feet east of highway. Records available: 1939-50. July 14, +18.91; Dec. 10, +18.83.

128. A. C. Harrison. In Thalman, about 0.1 mile south of crossing of Seaboard Air Line Railway and Atlanta, Birmingham & Coast Railroad. Records available: 1941-48. Measurement discontinued.

138. G. F. Cowman. About 300 feet south of marsh edge of South Brunswick River, on east side of U. S. Highway 17. Water level affected by tide. Records available: 1939-50. July 14, +30.59; Dec. 10, +30.23.

143. J. F. McKee. On St. Simon Island at Black Banks, about 0.5 mile east of Frederica road, 0.4 mile north of Sea Island Rd. Records available: 1940-45. Measurement discontinued.

192. Edgar Rittenhouse. In Brunswick, 0.25 mile north of Palmetto Cemetery, about 400 feet east of old canal. Water level affected by pumpage in nearby industrial wells. Records available: 1939-50. July 14, +17.02; Dec. 10, +16.78.

Henry County

11. D. J. Arnold. At Hampton, about 70 feet west of center of U. S. Highway 41. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	20	May 20	26.65	Aug. 14	27.72	Oct. 11	28.27
20	26.70	June 30	27.78	Sept. 18	27.96	Nov. 17	28.72
Mar. 7	26.65	July 17	27.55				

Liberty County

19. Atlantic Coast Line Railroad. In McIntosh, about 300 feet southwest of crossing of railroad and State Highway 38, about 10 feet northwest of railroad. Records available: 1940-50. July 13, +3.21; Dec. 9, +1.10.

53. F. F. Branan. About 2.5 miles south of Midway, on west side of U. S. Highway 17. Records available: 1939-50. July 13, +25.55; Dec. 9, +25.6.

75. Mrs. E. P. Way. About 3.7 miles south of Riceboro, along U. S. Highway 17, about 100 feet east of highway. Records available: 1941-50. July 13, +21.66; Dec. 9, +21.3.

95. W. M. S. Howard. On Colonels Island, in northwestern part, near marsh. Water level affected by tide. Records available: 1939, 1941-50. July 13, +15.2; Dec. 9, +13.58.

137. H. A. Bacon. In Hinesville, about 0.5 mile northeast of Liberty County Courthouse, along State Highway 38, on north side of highway. Records available: 1939-50. July 13, 0.59; Dec. 9, 1.60.

170. J. H. Woodall. On north side of U. S. Highway 17, 0.3 mile northeast of Freeman Grove. Records available: 1941-50. July 13, +13.74; Dec. 9, +13.80.

177. P. E. Youmans. In northeastern part of Colonels Island. Water level affected by tide. Records available: 1942-50. July 13, +10.46; Dec. 9, +11.25.

Long County

8. Town of Ludowici. About 100 feet northwest of Atlantic Coast Line Railroad. Records available: 1940-47, 1949-50. July 13, 11.41.

McIntosh County

14. C. H. Stebbins. In South Newport, northeast of intersection of U. S. Highway 17 and Harris Neck Rd. Records available: 1941-50. July 13, +18.77; Dec. 9, +18.20.

22. D. E. McDonald. In Eulonia, on west side of U. S. Highway 17, about 0.25 mile south of road to Townsend. Records available: 1941-47, 1949-50. July 13, +18.64; Dec. 9, +19.65.

27. C. B. Mallard. On east side of State Highway 131, about 0.4 mile south of right-angled bend in road near Crescent, near bluff on south branch of Sapelo River. Water level affected by tide. Records available: 1939-50. July 14, +5.26; Dec. 10, +5.15.

43. Shellman Bluff public well. In Shellman Bluff, between houses of Mallard Jones and Doby Hamons. Water level affected by tide. Records available: 1941-43, 1945-47, 1949-50. Dec. 10, +18.13.

45. New Masonic Lodge. 0.5 mile south of Shellman Bluff. Water level affected by tide. Records available: 1941-43, 1945-47, 1949. No measurement made in 1950.

85. R. C. Collins. About 0.7 mile west of Crescent on south side of State Highway 131. Records available: 1939-50. July 14, 5.19; Dec. 10, 5.60.

103. A. M. Durant. In Valona. Water level affected by tide. Records available: 1939-41, 1943, 1945-50. July 14, +23.63; Dec. 10, +23.92.

130. James O'Brien Estate. In Ridgeville, on east side of State Highway 131, half a mile south of road to dock. Records available: 1935-48. Measurement discontinued.

141. Sam Gardner. About 6 miles southeast of Townsend, on east side of Briardam Rd. Records available: 1939-47, 1949-50. July 14, +19.44; Dec. 10, +19.26.

144. Col. Talbot Smith. About 1.5 miles northeast of Darien, about 0.25 mile east of State Highway 131, near marsh. Water level affected by tide. Records available: 1939-50. July 14 +19.83; Dec. 10, +19.48.

180. D. C. Cowart. In Eulonia, about 75 feet west of center line of U. S. Highway 17, and about 50 feet south of center line of State Highway 131, extended. Records available: 1942-50. July 14, +21.45

Mitchell County

9. City of Camilla. In Camilla, at waterworks plant, about 80 feet east of center line of Ellis St. and about 50 feet north of center line of Twitty St. Records available: 1943-46, 1956. Mar. 7, 52.42.

Montgomery County

1. H. V. Thompson. In Ailey, about 0.25 mile southeast of Seaboard Air Line Railway Station, about 200 feet south of railway. Records available: 1942-43, 1945-46, 1949-50. July 10, 107.15; Dec. 6, 117.52.

Pierce County

2. City of Blackshear. In northeastern part of town, about 25 feet northwest of elevated concrete municipal water tank. Records available: 1939-43, 1945-50. July 17, 60.42; Dec. 11, 61.72.

5. Town of Patterson. In Patterson, about 140 feet east of Atlantic Coast Line Railroad Station. Records available: 1941-43, 1945-50. July 17, 34.27; Dec. 11, 33.22.

Screven County

3. City of Sylvania. In Sylvania, 0.1 mile west of State Highway 21. at waterworks plant. Records available: 1939, 1943, 1945-47, 1949-50. July 11, 110.73, Dec. 7, 1.07, 28.

8. W. W. Yant. In Dover, on southwest side of Central of Georgia Railway. Records available: 1943, 1945-46, 1949-50. July 11, +16.76; Dec. 6, +16.42.

Spalding County

12. State Experiment Station. At Experiment, about 240 feet west of Central of Georgia Railway and 15 feet northeast of corner of Flynt Building. Records available: 1943-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	16.65	15.64	14.22	14.82	16.33	17.31	18.23	18.60	17.37	18.24	.....
2	16.65	16.64	15.73	14.21	14.87	16.37	17.34	18.25	18.56	17.41	18.23	19.06
3	16.65	16.69	15.74	14.08	14.92	16.38	17.37	18.26	18.55	17.38	18.20	18.97
4	16.68	16.72	15.73	14.06	15.9	16.32	17.39	18.30	18.48	17.32	18.22	19.01
5	16.75	16.74	15.65	14.12	15.10	16.43	17.42	18.33	18.44	17.40	18.35	19.12
6	16.76	16.68	15.49	14.13	15.18	16.51	17.45	18.37	18.45	17.47	18.44	19.12
7	16.80	16.61	15.39	14.14	15.23	16.57	17.48	18.39	18.28	17.41	18.43	19.07
8	16.87	16.71	15.24	.....	15.26	16.59	17.54	18.42	18.22	17.49	18.39	19.12
9	16.81	16.64	15.35	.....	15.24	16.62	17.49	18.45	18.08	17.50	18.40	18.38
10	16.77	16.59	15.27	.....	15.26	16.59	17.53	18.46	18.02	17.56	18.47	18.88
11	16.79	16.52	15.25	14.08	15.29	16.61	17.58	18.49	17.92	17.60	18.53	18.85
12	16.79	16.41	14.97	14.11	15.27	16.67	17.62	18.53	17.83	17.62	18.58	18.80
13	16.77	16.26	14.79	14.11	15.28	16.72	17.64	18.55	17.77	17.73	18.61	18.87
14	16.76	16.10	14.89	14.18	15.29	16.74	17.68	18.60	17.69	17.79	18.66	18.85
15	16.76	16.14	14.67	14.20	15.37	16.76	17.72	18.64	17.61	17.84	18.67	18.73
16	16.76	16.07	14.45	14.28	15.47	16.79	17.78	18.65	17.57	17.92	18.66	18.80
17	16.63	16.03	14.58	14.26	15.56	16.81	17.80	18.68	17.57	17.97	18.66	18.75
18	.....	16.02	14.48	14.24	15.60	16.85	17.80	18.68	17.55	17.94	18.71	18.76
19	.....	15.97	14.50	14.31	15.62	16.88	17.83	18.70	17.49	17.83	18.72	18.78
20	.....	15.95	14.43	14.31	15.68	16.93	17.86	18.73	17.41	17.96	18.70	18.76
21	.....	15.83	14.41	14.42	15.81	16.97	17.89	18.77	17.36	18.01	.....	18.82
22	.....	15.84	14.34	14.47	15.85	17.0	17.93	18.80	17.27	18.04	18.78	18.76
23	16.62	15.83	14.40	14.47	15.90	17.02	17.98	18.85	18.07	18.07	18.82	18.73
24	16.60	15.83	14.39	14.45	15.91	17.05	18.02	18.88	18.12	18.12	18.83	18.69
25	16.69	15.80	14.41	14.45	15.94	17.08	18.04	18.89	18.14	18.14	.....	18.70
26	16.70	15.75	14.36	14.58	16.0	17.08	18.05	18.88	18.18	18.18	.....	18.67
27	16.67	15.80	14.25	14.65	16.04	17.11	18.08	18.84	18.21	18.21	.....	18.72
28	.....	15.76	14.32	14.72	16.06	17.17	18.11	18.78	18.24	18.24	.....	18.74
29	.....		14.32	14.76	16.14	17.18	18.13	18.78	18.20	18.20	.....	18.65
30	.....		14.36	14.79	16.14	17.25	18.18	18.68	18.21	18.21	.....	18.61
31	.....		14.34		16.21		18.22	18.61		18.23		18.60

Ware County

6. State of Georgia. At Laura S. Walker State Park, 9 miles southeast of Waycross, 1.7 miles south of State Highway 50, along State Highway 177, near elevated tank. Records available: 1941-43, 1945-46, 1949-50. July 18, 55.25; Dec. 11, 55.66.

Wayne County

3. A. W. Hurn. In Gardi, about 200 feet southwest of Southern Railway. Records available: 1939-43, 1945-50. Feb. 21, 4.24; Apr. 27, 4.40; July 17, 5.23; Dec. 12, 5.53.

10. Town of Screven. In Screven, about 600 feet west of Atlantic Coast Line Railroad station. Records available: 1940-43, 1945-50. July 17, 58.54; Dec. 11, 59.75.

KENTUCKY

By M. I. Rorabaugh and E. A. Bell

Scope of Water-Level Program

Investigation of the ground-water resources of the Louisville area, begun in 1943, was continued in 1950 in cooperation with Jefferson County and the city of Louisville. The program was started because of a critical shortage of ground water, used by industries manufacturing war materials. Following the mapping of the aquifers and determination of the basic factors governing the occurrence and movement of ground water in the area, a continuing program of water-level measurements was established in order to provide up-to-date quantitative information for use in preventing a repetition of the 1943 shortage and for planning of new installations. In July 1949, in cooperation with the Agricultural and Industrial Development Board of Kentucky, the Geological Survey began a program to investigate the ground-water resources of the State. Detailed work was continued in the Paintsville, Henderson, Hopkinsville, and Covington areas, and new projects were started in the Scottsville, Paducah, and Prestonsburg areas. Figure 4 is a map of Kentucky showing principal physiographic units, each of which has a distinctive type of geology: the Jackson Purchase is underlain by unconsolidated and semiconsolidated formations of Tertiary and Cretaceous age; the Western and Eastern Coal Fields, consolidated sandstones, shales, and limestones of Pennsylvanian age; the Mississippian Plateau, sandstones, limestones, and shales of Mississippian age; the Inner Blue Grass, relatively pure limestones and the Outer Blue Grass, shales and limestones, of Ordovician age; and the Ohio River flood plain, underlain by an old valley filled with glacial outwash sands and gravels and river deposits. The State-wide program consists of detailed investigations in index areas representative of each physiographic unit, reconnaissance of the physiographic units, and establishment of a State-wide network of observation wells.

A cooperative report, "Areas and principles of ground-water occurrence in the Inner Blue Grass region, Kentucky" by Dan K. Hamilton, was published by the Kentucky Geological Survey in 1950.

As part of the project work at Louisville, water-level measurements were made in 129 wells. Observations were made at about 5-week intervals and more frequently in selected wells. Recording gages were maintained on 10 wells during the year. A total of 1,908 tape measurements and 101 months of automatic record were obtained in the Louisville area (well locations are shown on fig. 5). In the six index areas 2,735 measurements were made to water level and 29 months of automatic record were obtained in a total of 185 wells. The length of record in the index areas is too short to permit interpretation. The principal aquifer in the Louisville area is a bed of glacial-outwash sands and gravels underlying the Ohio River flood plain and filling an old river channel cut into the consolidated rocks (shaded on fig. 5). The old channel ranges from 1.2 to 6 miles in width, and at the deepest point is about 120 feet below the present flood plain. The limestone bedrock underlying the glacial outwash in the central part of Louisville is extensively developed by solution and is an important aquifer.

Precipitation

Precipitation is one source of natural recharge to the aquifer. Normally, in the rural area, recharge from vertical percolation amounts to about 200,000 gallons per day per square mile. Precipitation on the upland areas infiltrates and flows through the valley wall into the aquifer, and provides additional recharge estimated at several million gallons per day. Recharge from precipitation occurs principally during the nongrowing season. A time lag of several weeks is required for the water to seep vertically about 60 feet to the aquifer. The hydrograph for well 50-10-2 (fig. 8) illustrates the seasonal effect of precipitation. The U. S. Weather Bureau recorded 60.86 inches of precipitation at Louisville (city station) during 1950, the greatest annual precipitation in 79 years of record.

A second source of recharge is infiltration of water from the Ohio River through its bed. Where water levels are below river level, river water is continually flowing to the aquifer. During floods the rate is greatly increased in these areas and temporary recharge occurs in areas where there is normally a loss of ground water to the river.

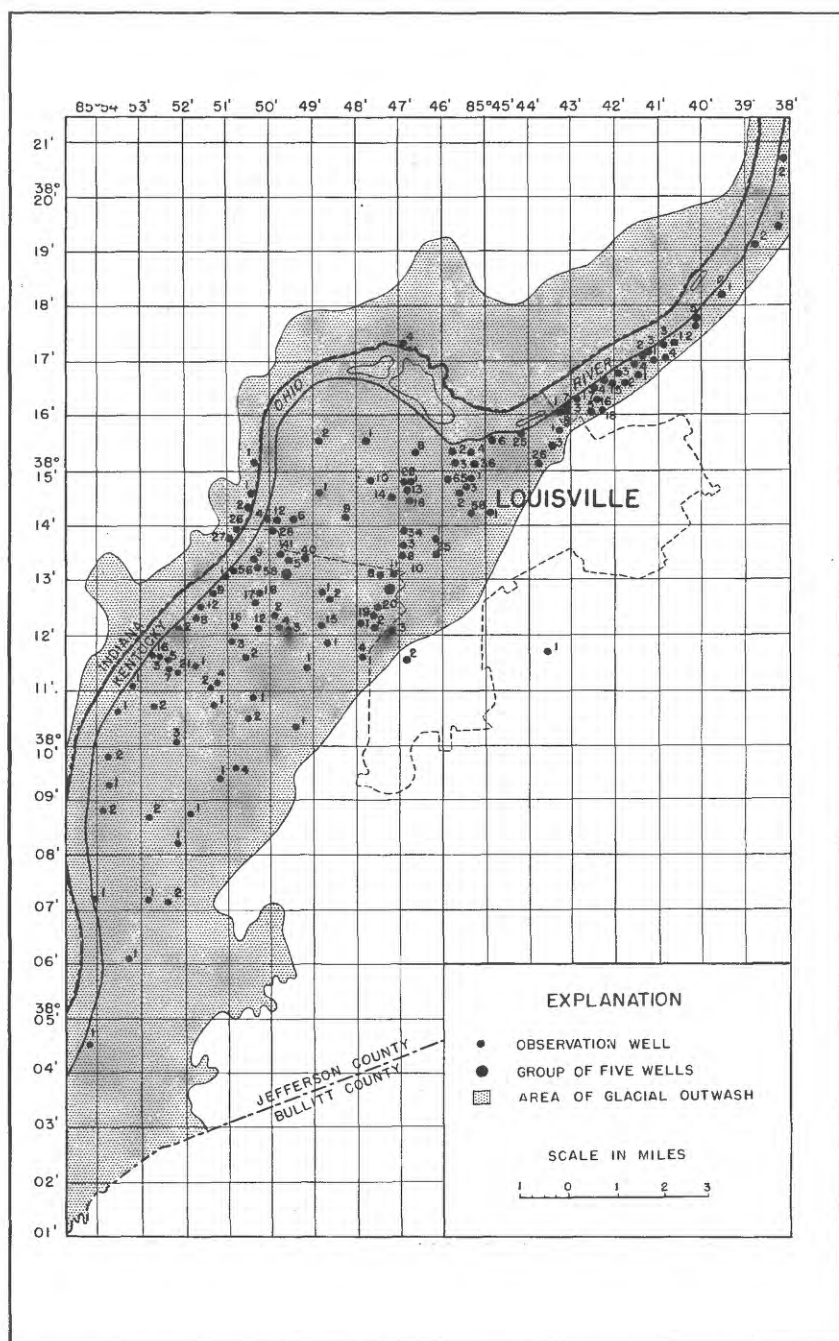
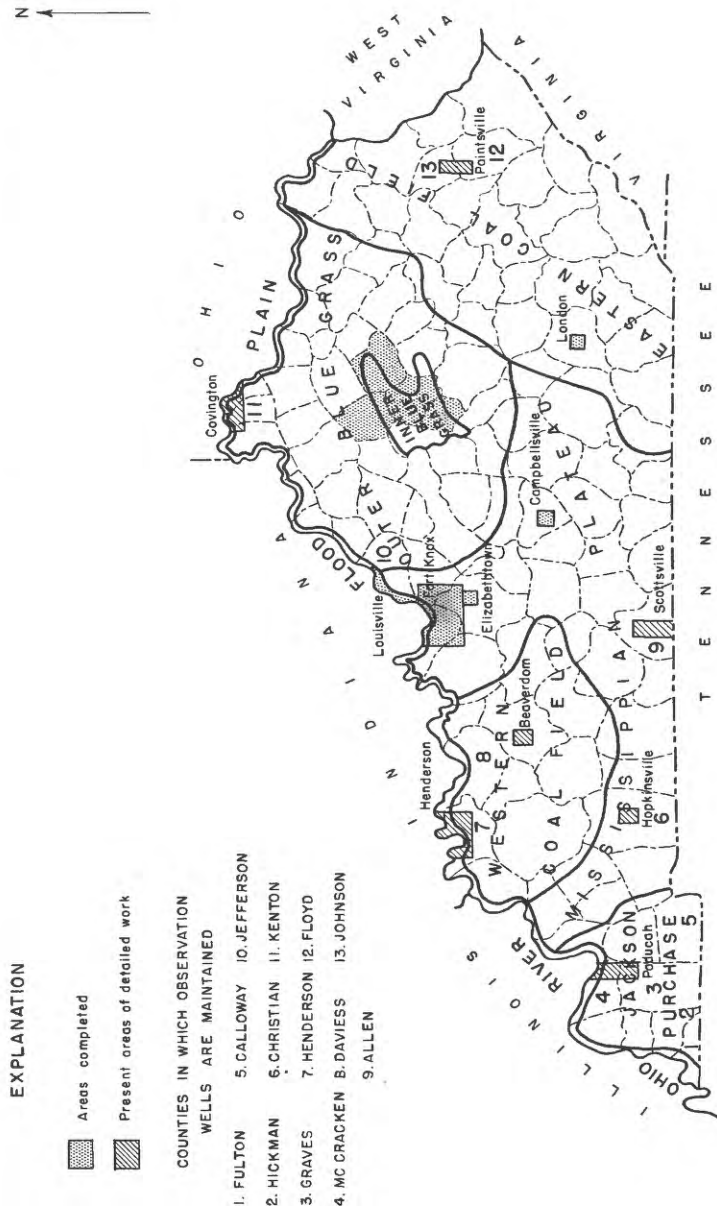


Figure 5.--Location of observation wells in the Louisville area, 1950.



Pumpage

Pumpage in the Louisville area during 1950 was about 31 million gallons per day, of which 1.6 million gallons per day was returned by artificial recharge through wells. In figure 6 pumpage is shown annually since 1937. The effects of conservation in 1944 and 1945, the end of the war, and additional conservation since 1947 when a sewer-usage tax was imposed, are jointly responsible for 50 percent reduction in pumpage since the 1943 wartime peak. The illustration shows the pumpage classified as to type of aquifer. Pumpage from rock wells increased after 1943 at a time when pumpage from sand and gravel wells was being reduced. The bar graphs at the bottom of the figure show the excessive overpumpage in 1943 and 1944, and show a close balance between natural recharge and pumpage since 1945. The large gain in storage in 1945 resulted from a major flood. The moderate gain in 1950 resulted from decreased use, and from above-average recharge attributed to the excessive precipitation.

Interpretation of Water-Level Fluctuations

In the Louisville area, water levels rose an average of 1.33 feet during the year representing an average gain in storage of more than 5 million gallons per day. Neglecting those wells along the Ohio River which are directly affected by river fluctuation, changes in water levels ranged from gains of nearly 3 feet in a large part of the area to losses of about 3 feet in the northern section of the "Rubbertown" area. Figure 7 shows changes in water level during the year. Although a slight decrease in average daily pumpage was experienced and the river level was above flood stage for a record number of days in a single year, the greatest portion of the gain in ground-water storage during 1950 was associated with the greater than normal precipitation.

In the downtown area, east of meridian $85^{\circ}46'$ and north of parallel $38^{\circ}13'$ (see fig. 7), water levels rose an average of about 0.8 foot during the year. The rise is in sharp contrast to the usual annual decline of about 2 feet. The hydrograph for well 45-14-1 (shown on fig. 8) is representative of this area. Also shown on the same figure is the hydrograph for well 50-10-2 in the unpumped area south of the city. This hydrograph shows in 1950 a new monthly high of record for each month of the year. The average rise of water levels in this area was nearly 3 feet. In the central industrial area west of meridian $85^{\circ}46'$ and north of parallel $38^{\circ}13'$ (see fig. 9) water levels during 1950 rose an average of 1.4 feet while pumpage was about 20 percent less than that of 1949. The gain in ground-water storage probably reflected both reduced pumpage and above-normal rainfall. Figure 9 shows the hydrograph of water levels in well 46-14-1 and the graph of average pumpage for this area. In the distillery area south of Louisville, water-level gains averaged about 1.9 feet during the year, though pumpage in the area was about 20 percent more than that of the preceding year. It is possible that natural recharge in this area was enhanced by means of a large sand pit excavated more than a year ago. Figure 10 shows the hydrograph of well 47-12-1 and a bar graph of average pumpage for the area since 1937. In the "Rubbertown" area southwest of the city, water levels rose an average of 1.13 feet. The changes ranged from a gain of about 3 feet in the southern section to a deficit of about 3 feet in the northern section of concentrated pumping. The water levels in this latter section at the end of 1950 were about 20 feet above record lows of early 1945. During 1950 the pumpage in "Rubbertown" exceeded that of 1949 by about 15 percent and was about half of the maximum pumpage in 1944. The hydrograph for well 49-13-24, typical of the "Rubbertown" area, is shown on figure 11 along with the average pumpage since 1941. Figure 12 is a contour map of water levels in the Louisville area for December 1950.

Well-Numbering System

Excepting the Louisville area in Jefferson County, the State has been divided into quadrangles formed by the 5-minute meridians and parallels. Wells inventoried in each of the quadrangles are numbered beginning with 1. Wells are designated by a composite of three numbers; the first indicates the degrees and minutes of longitude, the second the degrees and minutes of latitude, and the third the number of the well in that quadrangle. Thus, well 8715-3650-1 is the first well inventoried in the 5-minute quadrangle west of $87^{\circ}15'$ longitude and north of $36^{\circ}50'$ latitude. A similar numbering system is used for wells in the Louisville area, which lies between longitude 85° and 86° west and between latitude 38° and 39° north, except that the quadrangles are bounded by 1-minute meridians and parallels. The well designation omits the degrees, using only minutes of longitude and latitude. Thus well 45-14-2 is the second well inventoried in the 1-minute quadrangle west of $85^{\circ}45'$ longitude and north of $38^{\circ}14'$ latitude. Location of wells in the Louisville area included in the water-level report are shown on figure 5.

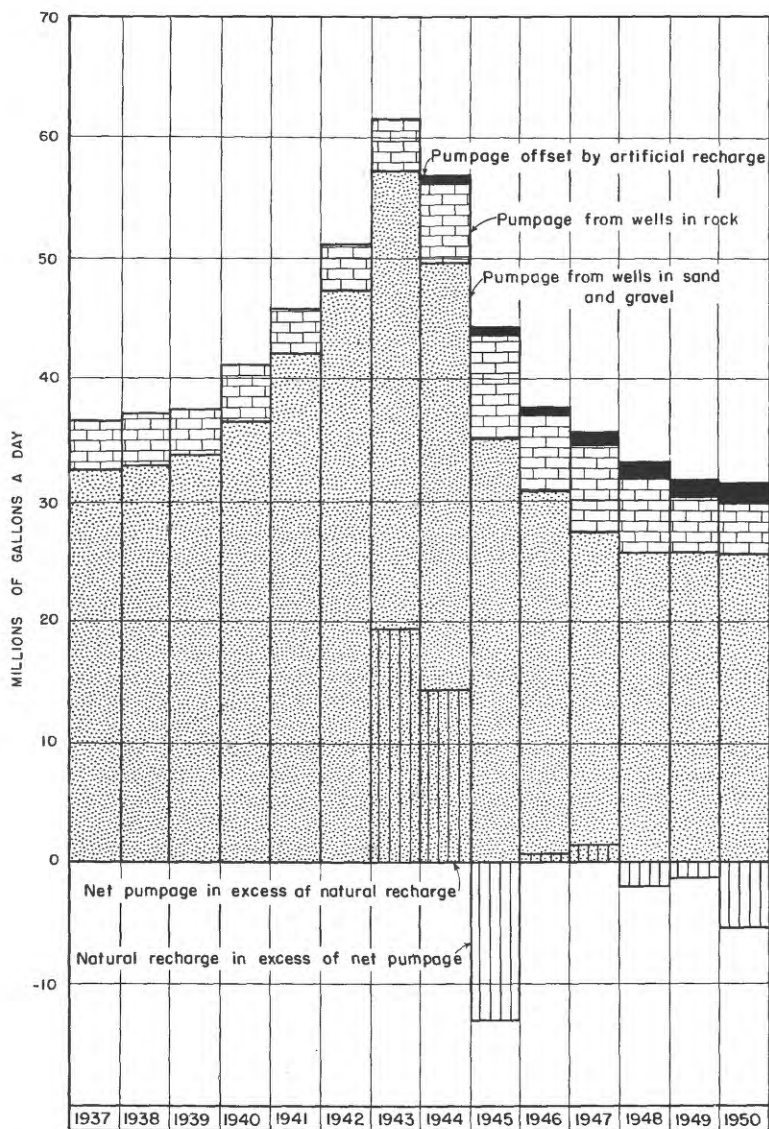


Figure 6. --Pumpage, 1937 to 1950, and changes in storage, 1943 to 1950, in the Louisville area.

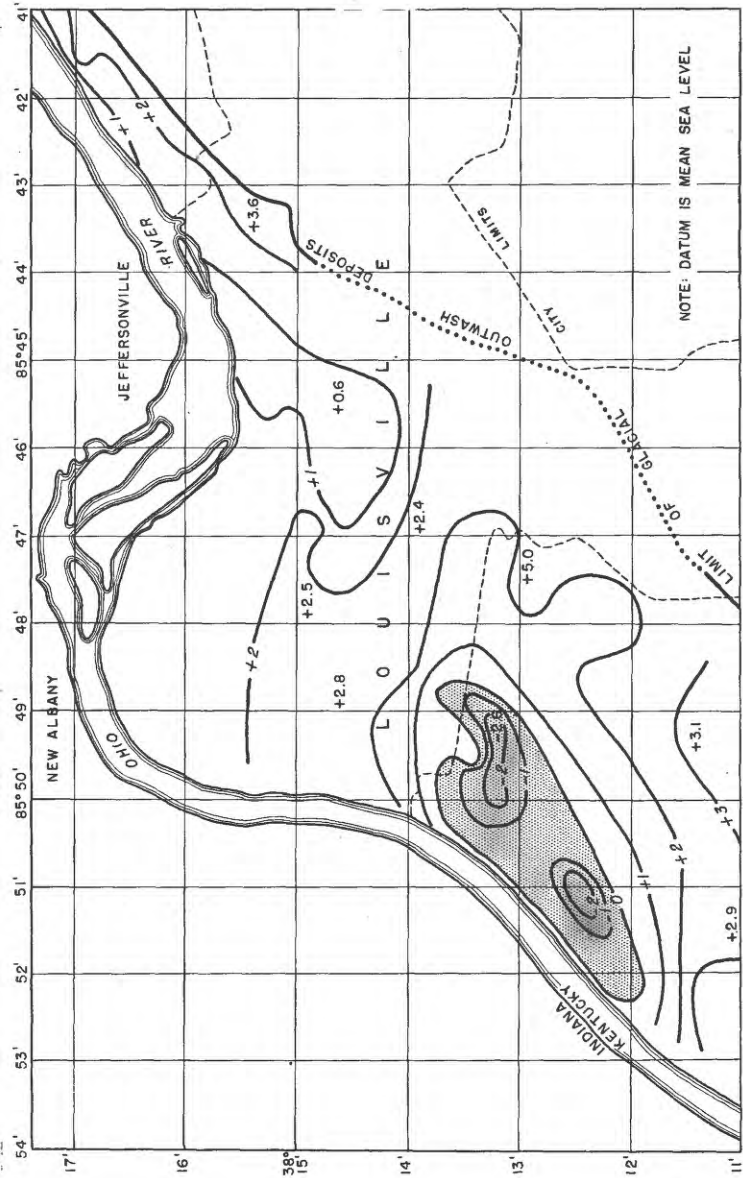


Figure 7. --Changes in water levels in the Louisville area during 1950.

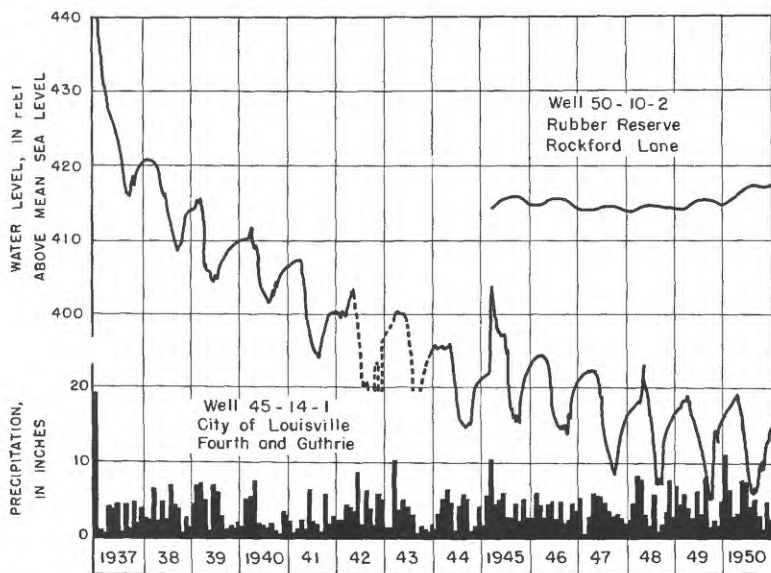


Figure 8.--Water levels in wells 45-14-1 and 50-10-2 and precipitation, Louisville, 1950.

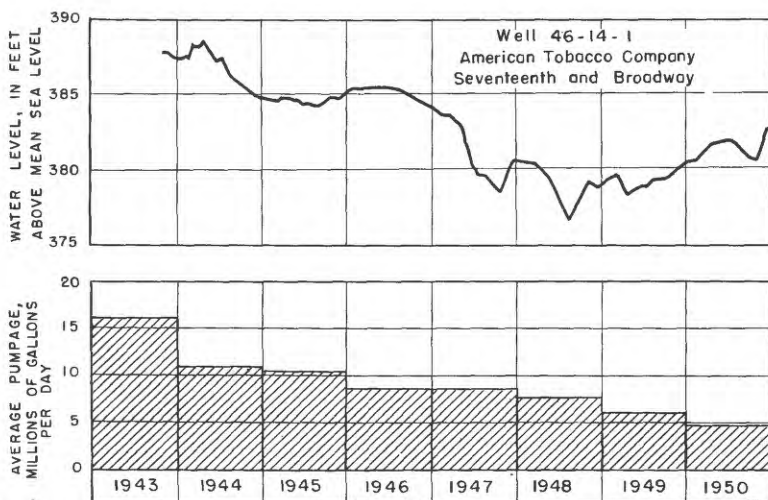


Figure 9.--Water level in well 46-14-1 and pumpage in west-central part of Louisville area, 1943-50.

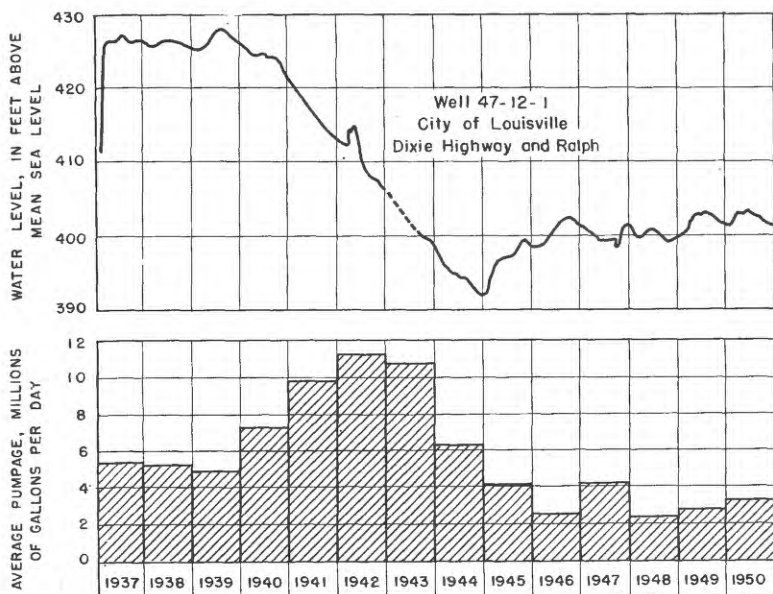


Figure 10. --Water level in well 47-12-1 and pumpage in south distillery area, Louisville, 1937-50.

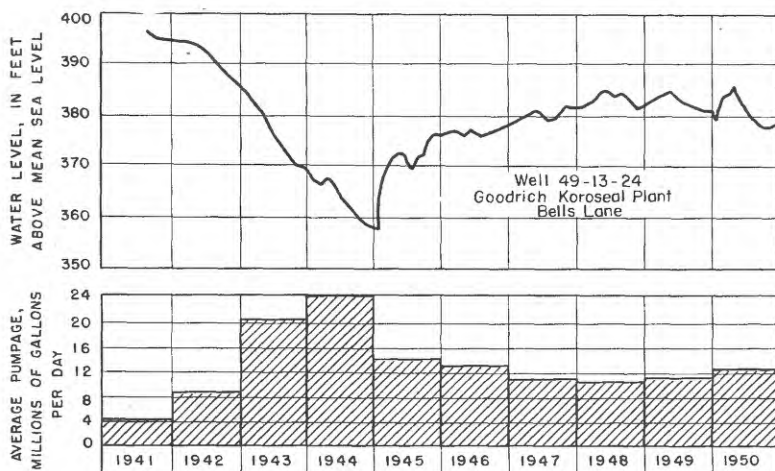
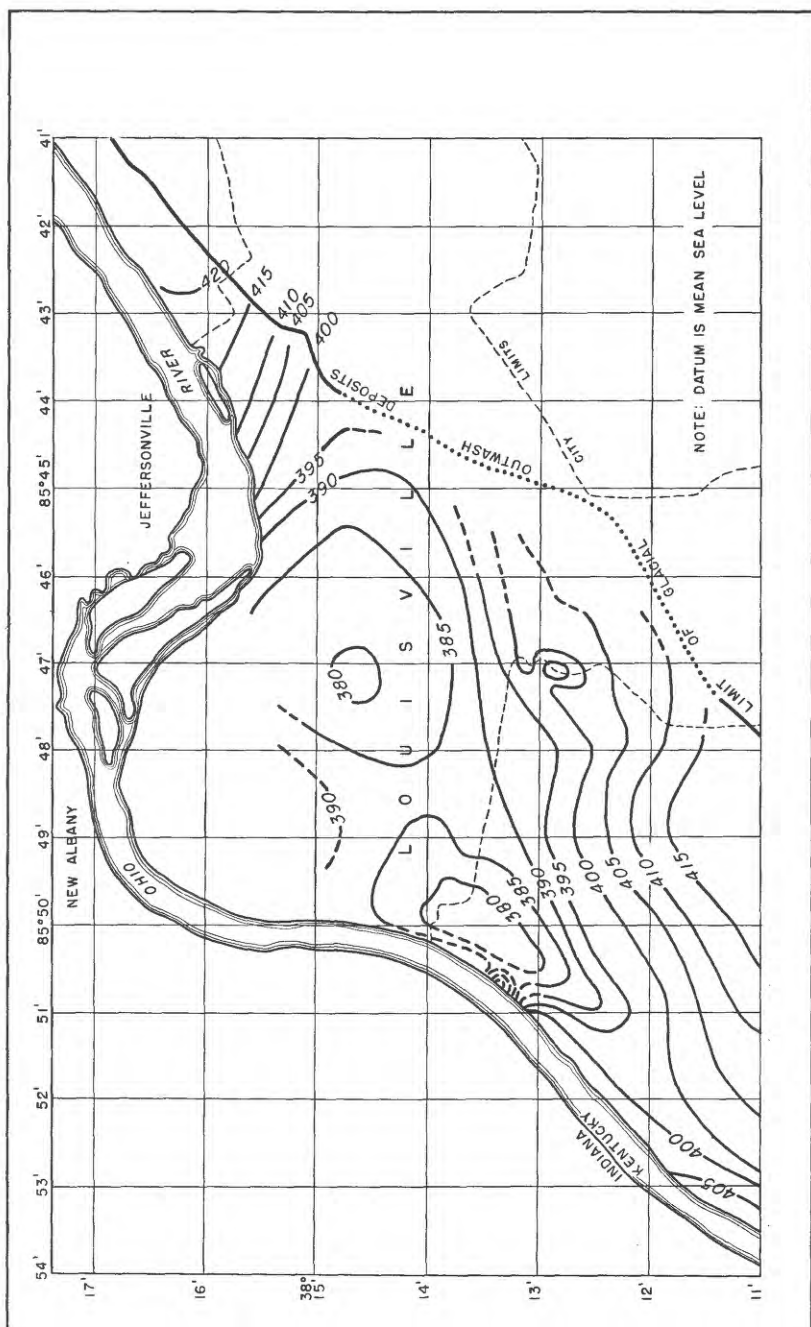


Figure 11. --Water level in well 49-13-24 and pumpage in Rubbertown area, southwest of Louisville, 1941-50.



Well Descriptions and Water-Level Measurements

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

Allen County

8600-3640-2 Collins. 30 feet north of Kentucky Highway 100 and 150 feet west of Longs Creek. Drilled unused domestic well, diameter 6 inches, depth 37 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 31	21.44	Oct. 2	21.58	Oct. 30	21.59	Nov. 27	21.41
Sept. 18	21.48	16	21.62	Nov. 11	21.31	Dec. 13	21.37

8605-3640-2 R. A. King. 50 feet east of Hade Bell Road, 1,800 feet northwest of Bellwood School. Drilled unused domestic well, diameter 6 inches, depth 35 feet. Records available: 1950. Sept. 18, 25.22; Oct. 2, 27.78; Oct. 16, 28.00; Oct. 30, 29.35; Nov. 11, 28.42; Nov. 21, 25.85; Dec. 13, 24.30.

8605-3640-7 W. B. Haynes. On Lafayette Road about 1.9 miles southeast of its junction with State Highway 100. Dug domestic well, diameter 36 inches, depth 27 feet. Records available: 1950. Oct. 2, 2.05; Oct. 16, 4.86; Oct. 30, 2.30; Nov. 11, 0.68; Nov. 27, 0.68; Dec. 13, 0.42.

8605-3640-13 Harry Sears. 100 feet west of Lafayette Road about 1.1 miles southeast of its intersection with State Highway 100. Dug stock well, diameter 36 inches, depth 30 feet. Records available: 1950. Sept. 25, 15.95; Oct. 2, 16.77; Oct. 16, 17.21; Oct. 30, 16.90; Nov. 11, 12.82; Nov. 27, 14.35; Dec. 13, 12.13.

8605-3640-37 Lewis Howell. 100 feet north of Kentucky Highway 100 about 1.1 miles northwest of Pleasant Field School. Drilled domestic well, diameter 6 inches, depth 61 feet. Records available: 1950.

Oct. 9	44.87	Oct. 30	45.72	Nov. 11	44.70	Dec. 4	44.00
16	45.62	Nov. 6	44.90	27	43.83	13	41.20
25	45.73						

8605-3640-39 F. H. Brown and J. E. Brown. On Frank Brown Road about 0.5 mile south of Pleasant Field School. Drilled unused domestic well, diameter 6 inches, depth 70 feet. Records available: 1950. Oct. 3, 45.17; Oct. 16, 45.90; Oct. 30, 45.87; Nov. 11, 45.70; Nov. 27, 45.33; Dec. 13, 44.80.

8605-3640-47 J. Barton. On Frank Brown Road about 1.6 miles southeast of Pleasant Field School. Dug unused domestic well, diameter 72 inches, depth 23.8 feet. Records available: 1950. Oct. 4, 17.35; Oct. 16, 17.70; Oct. 30, 17.70; Nov. 11, 16.55; Nov. 27, 15.77; Dec. 13, 14.26.

8605-3640-60 J. R. Mayhew. In field 0.2 mile east of secondary county road and about 0.4 mile south of Kentucky Highway 100. Drilled unused stock well, diameter 8 inches, originally an oil well, now sealed at depth of 77 feet. Records available: 1950. Oct. 4, 44.31; Oct. 16, 44.65; Oct. 30, 44.70; Nov. 11, 40.93; Nov. 27, 42.12; Dec. 13, 41.60.

8605-3640-85 J. Cushenberry. On south side of Maysville Road about 500 feet east of East Bays Fork and about 0.4 mile southwest of Chestnut Point School. Drilled domestic well, diameter 6 inches, depth 105 feet. Records available: 1950. Oct. 10, 38.90; Oct. 16, 38.59; Oct. 30, 36.88; Nov. 11, 36.20; Nov. 27, 36.75; Dec. 13, 36.67.

8605-3645-84 H. H. Willoughby. About 600 feet west of Jim Starks Road, about 2 miles south of Gainesville. Drilled domestic well, diameter 6 inches, depth 67 feet. Records available: 1950. Nov. 2, 34.50; Dec. 13, 34.36.

8605-3650-30 J. C. Fisher and L. Fisher. About 0.1 mile north of Ed Clay Road. Drilled unused domestic well, diameter 8 inches, originally an oil well, now sealed at depth of 39.5 feet. Records available: 1950. Nov. 7, 32.47; Nov. 27, 32.72; Dec. 13, 32.47.

8605-3650-54 W. I. Shields. On west side of Gainesville-Port Oliver Road. Drilled unused domestic well, diameter 6 inches, depth 37.5 feet. Records available: 1950. Nov. 8, 28.40; Nov. 27, 27.22; Dec. 13, 26.92.

8610-3640-37 Durwood Kelly. On west side of Hartsville Road about 0.1 mile south of Louisville & Nashville Railroad trestle over West Bays Fork and Hartsville Road. Drilled unused domestic well, diameter 8 inches, depth 67 feet. Records available: 1950. Oct. 2, 19.80; Oct. 16, 19.96; Oct. 30, 20.05; Nov. 11, 18.05; Nov. 28, 18.74; Dec. 13, 14.03.

8610-3640-115 J. E. Britt. On south side of Shady Grove Road about 0.4 mile west of Shady Grove School. Drilled unused domestic well, diameter 6 inches, depth 54 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 5	41.62	Oct. 2	43.05	Oct. 30	43.18	Nov. 27	42.37
19	42.36	16	43.21	Nov. 11	43.14	Dec. 13	41.90

8610-3640-116 W. A. Jones. On north side of Shady Grove Road. Drilled domestic well, diameter 6 inches, depth 77 feet. Records available: 1950.

Sept. 11	66.82	Oct. 2	65.42	Oct. 30	65.74	Nov. 27	68.15
19	65.90	16	66.40	Nov. 11	65.70	Dec. 13	68.05

8610-3640-124 L. W. Alderson. On north side of Shady Grove Road about 0.3 mile south-east of Mt. Pleasant Church. Drilled unused domestic well, diameter 8 inches, depth 88 feet. Records available: 1950.

Sept. 11	13.05	Oct. 2	14.66	Oct. 30	15.55	Nov. 27	15.32
18	13.85	16	15.13	Nov. 11	15.55	Dec. 13	14.85

8610-3640-160 E. P. Miller. On Kentucky Highway 100 about 0.6 mile northwest of White Plains School. Drilled unused industrial well, diameter 8 inches, depth 80 feet. Records available: 1950.

Sept. 11	15.48	Oct. 2	20.02	Oct. 30	21.54	Nov. 28	17.87
19	18.33	16	21.16	Nov. 11	19.99	Dec. 13	16.33

8610-3640-230 City of Scottsville. At northwest end of City Pumping Station on Hartsville Road at crossing of West Bays Fork Creek. Drilled unused public supply well, diameter 8 inches, depth 50 feet. Records available: 1950.

Sept. 11	8.32	Oct. 16	9.82	Nov. 6	9.75	Nov. 28	9.20
19	9.29	25	9.79	11	9.34	Dec. 4	9.26
Oct. 2	9.70	30	9.77	20	7.56	13	9.08
9	9.80						

8610-3640-234 Clarence Parish. Beside cabin between forks of private road about 0.4 mile north of Dover Church. Drilled unused domestic well, diameter 6 inches, depth 26.5 feet. Records available: 1950.

Sept. 15	12.49	Oct. 16	18.44	Nov. 6	19.73	Nov. 27	14.83
Oct. 2	16.02	25	19.18	11	16.90	Dec. 4	12.04
9	17.01	30	19.50	20	.51	13	13.29

8610-3640-249 Ira Meadow. On south side of Garland Pardue Road about 500 feet north-east of its junction with Dover Road. Drilled unused domestic well, diameter 6 inches, depth 115 feet. Records available: 1950. Sept. 21, 93.40; Oct. 2, 95.76; Oct. 16, 95.94; Oct. 30, 96.10; Nov. 11, 95.20; Nov. 27, 93.25; Dec. 13, 92.05.

8610-3640-253 Dan Pitchford. On Hade Beil Road about 0.2 mile north of its junction with Garland Pardue Road. Drilled unused domestic well, diameter 6 inches, depth 102 feet. Records available: 1950.

Sept. 21	40.15	Oct. 16	40.17	Nov. 6	40.18	Nov. 27	40.20
Oct. 2	40.18	25	40.20	11	39.90	Dec. 4	40.20
9	40.18	30	40.20	20	40.19	13	40.03

8610-3645-1 Mr. Cooksey. In Scottsville at north end of Third St. Dug domestic well, diameter 72 inches, depth 17 feet. Records available: 1950. Sept. 18, 13.66; Oct. 2, 14.25; Oct. 16, 14.15; Oct. 30, 14.20; Nov. 11, 13.95; Nov. 27, 14.00; Dec. 13, 13.00.

8610-3645-46 Mrs. Mandi Durham. In Scottsville at corner of East Poplar and North Seventh Sts. Drilled unused domestic well, diameter 6 inches, depth 60 feet. Records available: 1950. Sept. 5, 51.70; Sept. 18, 50.13; Oct. 2, 50.38; Oct. 16, 54.29; Oct. 30, 53.93; Nov. 11, 53.11; Nov. 27, 53.20.

8610-3645-50 Mrs. R. C. Huntsman. In Scottsville at 216 West Main Street. Drilled unused domestic well, diameter 6 inches, depth 65 feet. Records available: 1950. Sept. 5, 46.94; Sept. 18, 48.45; Oct. 2, 50.85; Oct. 16, 52.42; Oct. 30, 52.39; Nov. 11, 51.15; Dec. 13, 48.65.

8610-3645-54 Mrs. J. Wilson. In Scottsville on Kentucky Highway 71, 0.4 mile west of Court House. Drilled unused domestic well, diameter 8 inches, depth 75 feet. Records available: 1950. Sept. 5, 58.26; Sept. 18, 57.27; Oct. 2, 58.17; Oct. 16, 59.36; Oct. 30, 59.70; Nov. 11, 59.86; Dec. 13, 57.98.

8610-3645-105 Noel Creasey. At farm on Kentucky Highway 71, 2.5 miles west of Scottsville. Drilled domestic well, diameter 6 inches, depth 89 feet. Records available: 1950. Nov. 11, 44.70; Nov. 27, 44.72; Dec. 13, 44.65.

8610-3645-122 J. M. Samson. At farm on Old State Road about 0.8 mile east of Harrison School. Drilled unused domestic well, diameter 6 inches, depth 46 feet. Records available: 1950. Sept. 18, 17.43; Oct. 2, 18.96; Oct. 16, 19.20; Oct. 30, 18.95; Nov. 11, 15.37; Nov. 27, 14.72; Dec. 13, 14.38.

8610-3645-131 James Shropshire. On Tompkinsville Road about 0.3 mile east of its junction with U. S. Highway 31-E. Drilled unused domestic well, diameter 6 inches, depth 37 feet. Records available: 1950. Oct. 11, 28.01; Oct. 16, 28.01; Oct. 30, 28.02; Nov. 11, 20.00; Nov. 27, 27.06; Dec. 13, 24.14.

Calloway County

8815-3635-6 Joe Parks. In Murray, 200 feet southeast of corner 15th and Main Sts. Drilled unused public-supply well, diameter 12 inches, depth 300+ feet. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	125.75	May 31	125.80	Aug. 31	125.50	Nov. 28	125.06
Mar. 31	125.70	June 30	125.75	Sept. 29	125.58	Dec. 29	125.94
Apr. 29	125.75	July 31	125.80	Oct. 30	125.43		

Christian County

8715-3650-1 Clay Myers. On farm on east side of Fairview-Honeygrove Road 0.6 mile north of U. S. Highway 68. Dug domestic well, diameter 30 inches, depth 21.8 feet. Records available: 1950. Oct. 7, 4.09; Oct. 24, 4.61; Nov. 4, 4.64; Nov. 16, 3.62; Nov. 30, 2.60; Dec. 18, 2.87.

8715-3650-4 Tiny Poe. North side of Butler Road, 0.3 mile east of Honeygrove. Dug domestic well, diameter 36 inches, depth 30.3 feet. Records available: 1950. Oct. 7, 25.25; Oct. 24, 25.21; Nov. 4, 25.25; Nov. 16, 25.20; Nov. 30, 25.23; Dec. 18, 25.28.

8720-3645-1 Ivo Thompson. West side of west branch of Edward Mills Road 0.7 mile north of U. S. Highway 41-E. Drilled domestic well, diameter 6 inches, depth 97.8 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 25, 1949	52.00	Mar. 30, 1950	42.32	July 17, 1950	51.03	Oct. 6, 1950	48.15
Jan. 6, 1950	35.31	Apr. 16	44.36	26	50.17	24	48.15
21	33.42	29	48.23	Aug. 11	50.60	Nov. 4	50.64
Feb. 3	30.46	May 31	46.48	26	50.03	16	49.60
16	30.85	June 15	48.74	Sept. 7	41.12	30	44.94
Mar. 3	38.49	27	47.20	27	45.50	Dec. 18	43.06
17	39.19						

8720-3645-10 Raymond Long. South side of central section of Edward Mills Road, 1.5 miles northwest of east branch of Edward Mills Road. Drilled domestic well, diameter 6 inches, depth 69 feet. Records available: 1950.

June 15	19.29	Aug. 11	18.59	Oct. 7	18.21	Nov. 16	18.19
28	18.47	26	21.10	24	18.19	30	16.53
July 17	21.54	Sept. 7	15.23	Nov. 4	18.72	Dec. 18	13.60
25	25.54	27	17.42				

8720-3645-11 H. B. Bolinger. On private farm road 0.3 mile south of Masonville-Pembroke Road and 0.2 mile west of State Highway 115. Drilled unused stock well, diameter 6 inches, depth 127 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 16, 1949	51.8	Mar. 30, 1950	50.98	June 27, 1950	51.97	Oct. 7, 1950	52.55
Jan. 21, 1950	52.61	Apr. 12	51.07	July 11	52.55	24	52.79
Feb. 3	52.04	28	51.43	25	52.48	Nov. 4	52.84
17	51.52	May 11	51.49	Aug. 11	52.64	16	52.98
Mar. 3	49.22	29	51.67	Sept. 8	52.49	30	52.94
17	49.99	June 15	51.90	27	51.40	Dec. 18	52.77

8720-3645-12 Mrs. Abbie Macrae. On private farm road 0.2 mile east of east branch of Edward Mills Road and 0.5 mile northeast of U. S. Highway 41-E. Dug stock and domestic well, diameter 48 inches, depth 31 feet. Records available: 1949-50. Nov. 18, 1949, 29.6; May 31, 1950, 24.55; Sept. 7, 1950, 11.64.

8720-3645-24 E. E. Wimpy. On private farm road 0.3 mile north of Benevolent Home Road and 1.3 miles west of U. S. Highway 41-E. Drilled domestic well, diameter 6 inches, depth 63 feet. Records available: 1949-50. Nov. 23, 1949, 46.80; Jan. 21, 1950, 31.77; Feb. 3, 1950, 18.39; Feb. 16, 1950, 19.57; Apr. 12, 1950, 45.24; May 31, 1950, 45.70; Sept. 7, 1950, 42.14.

8720-3645-48 M. P. Spicer. South side of U. S. Highway 41-E, 1 mile northwest of Pembroke School. Drilled domestic well, diameter 6 inches, depth 38.5 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	8.85	Apr. 28	14.03	Aug. 11	12.88	Oct. 24	14.09
Feb. 3	8.30	May 11	12.13	26	18.28	Nov. 4	16.45
16	8.98	29	12.16	Sept. 7	12.00	16	12.10
Mar. 3	11.14	June 15	17.98	27	13.38	30	11.22
30	13.38	July 26	10.76	Oct. 7	13.81	Dec. 18	10.75
Apr. 12	13.43						

8720-3645-62 Mrs. G. B. Fuller. Beside Fuller's Store on south side of U. S. Highway 41-E about 0.1 mile southeast of its junction with Benevolent Home Road. Drilled domestic well, diameter 6 inches, depth 28.0 feet. Records available: 1950.

Jan. 13	5.48	Apr. 12	9.98	July 14	14.10	Oct. 7	12.86
21	6.86	28	12.49	26	10.99	24	13.16
Feb. 3	6.18	May 11	7.87	Aug. 11	12.25	Nov. 4	13.91
17	7.03	31	11.70	26	11.45	16	11.73
Mar. 3	6.16	June 15	12.38	Sept. 7	8.03	30	9.40
17	7.48	27	9.66	27	11.22	Dec. 18	9.25
30	7.90						

8720-3645-80 B. V. Goolsby. South side of U. S. Highway 41-E about 1.0 mile southeast of its junction with west branch of Edward Mills Road. Drilled domestic well, diameter 6 inches, depth 66.3 feet. Records available: 1950.

Jan. 16	19.8	Apr. 12	25.41	July 14	30.15	Oct. 7	28.52
21	20.99	28	27.57	25	27.99	24	30.08
Feb. 3	19.52	May 11	24.55	Aug. 11	29.17	Nov. 4	31.16
17	19.47	31	26.63	26	28.19	16	29.44
Mar. 3	18.90	June 15	29.81	Sept. 7	23.20	30	25.88
17	23.45	27	25.15	27	26.03	Dec. 18	25.15
30	24.60						

8720-3645-85 A. L. Pritchett. North side of U. S. Highway 41-E about 0.5 mile southeast of its junction with east branch of Edward Mills Road. Drilled domestic well, diameter 6 inches, depth 64.8 feet. Records available: 1950. Jan. 16, 1.21; May 31, 12.31; Sept. 7, 4.93.

8720-3645-96 H. B. Bolinger. In field 0.3 miles south of Masonville-Pembroke Road and 0.3 mile west of Kentucky Highway 115. Dug unused stock well, diameter 72 inches, depth 16 feet. Records available: 1950.

8720-3645-96--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 17	1.05	May 29	5.57	Sept. 8	+1.0	Nov. 4	14.80
30	2.55	June 27	+1.0	27	5.05	16	14.60
Apr. 12	3.85	July 11	10.00	Oct. 7	9.05	30	5.17
28	9.39	25	13.05	24	14.70	Dec. 18	3.62
May 11	2.49	Aug. 11	14.00				

8720-3645-100 W. H. Boyd. North side of U. S. Highway 41-E about 100 feet east of its junction with east branch of Edward Mills Road. Drilled domestic well, diameter 6 inches, depth 65.2 feet. Records available: 1950.

Jan. 16	34.33	Sept. 27	37.66	Nov. 4	37.66	Nov. 30	37.73
May 31	38.55	Oct. 7	37.68	16	37.52	Dec. 18	37.68
Sept. 7	37.65	24	37.65				

8720-3645-102 J. A. Chiles. East side of Bradshaw Pike 0.9 mile north of its intersection with Masonville-Pembroke Road. Dug domestic well, diameter 36 inches, depth 25 feet. Records available: 1950.

Mar. 17	4.26	May 29	15.27	Aug. 26	14.23	Nov. 4	16.25
30	8.50	June 15	15.45	Sept. 27	13.78	16	8.90
Apr. 12	12.19	27	9.33	Oct. 7	15.64	30	10.85
28	15.39	July 14	16.41	24	15.80	Dec. 18	7.74
May 11	8.24	25	15.97				

8720-3650-15 E. J. Graves. East side of Little River Church Road 0.7 mile south of U. S. Highway 68. Drilled domestic well, diameter 6 inches, depth 39 feet. Records available: 1949-50. Nov. 7, 1949, 25.2; Jan. 6, 1950, 19.04; Jan. 20, 1950, 22.55; Feb. 3, 1950, 22.60; Feb. 17, 1950, 22.32; Apr. 12, 1950, 28.92; May 31, 1950, 29.20.

8720-3650-16 O. K. Stroud. On private farm road 0.4 mile southwest of its junction with Little River Church Road which is 0.5 mile south of U. S. Highway 68. Drilled domestic well, diameter 6 inches, depth 65 feet. Records available: 1949-50. Nov. 10, 1949, 39.9; May 31, 1950, 39.39; Sept. 7, 1950, 37.39.

8720-3650-21 T. E. Foster. West side of private farm road 0.2 mile south of Butler Road and 0.3 mile southwest of junction of Butler and Pilot Rock Roads. Drilled domestic well, diameter 6 inches, depth 40 feet. Records available: 1949-50.

Nov. 29, 1949	28.4	Apr. 1, 1950	25.40	June 27, 1950	26.59	Sept. 27	26.26
Jan. 6, 1950	23.29	12	25.83	July 14	26.97	Oct. 6	26.67
20	22.51	29	26.59	25	26.78	24	26.95
Feb. 3	22.06	May 11	25.95	Aug. 11	26.94	Nov. 4	26.88
17	22.32	30	26.60	26	26.91	16	26.99
Mar. 3	24.59	June 15	26.58	Sept. 7	25.37	Dec. 18	25.75
17	24.44						

8720-3650-38 G. D. Rose. West side of Little River Church Road 0.8 mile south of U. S. Highway 68. Drilled stock well, diameter 6 inches, depth 60.2 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	15.42	Apr. 12	36.49	July 17	41.10	Oct. 7	39.20
20	17.92	28	38.35	25	39.72	24	38.70
Feb. 3	15.04	May 11	31.68	Aug. 11	40.17	Nov. 4	38.60
17	17.22	31	37.49	26	40.10	16	37.73
Mar. 3	31.17	June 15	39.12	Sept. 7	26.10	30	36.55
17	28.13	27	36.97	27	29.67	Dec. 18	35.50
31	33.65						

8720-3650-41 Murphy Davis. East side of private farm road 0.8 mile north of its junction with U. S. Highway 68 which is about 0.1 mile west of Little River Church Road. Dug domestic well, diameter 36 inches, depth 29.5 feet. Records available: 1950.

Apr. 12	23.70	July 14	23.90	Sept. 7	21.38	Nov. 4	24.45
29	24.30	25	23.98	27	23.53	16	24.30
May 31	23.76	Aug. 11	23.85	Oct. 6	23.85	30	22.82
June 15	24.31	26	23.66	24	24.28	Dec. 18	23.07

8720-3650-42 Murphy Davis. West side of private farm road 0.9 mile north of its junction with U. S. Highway 68 which is about 0.1 mile west of Little River Church Road. Drilled stock well, diameter 6 inches, depth 68 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	14.68	Apr. 29	23.67	July 25	23.17	Oct. 24	23.75
17	16.64	May 11	21.72	Aug. 11	23.00	Nov. 4	24.14
Mar. 3	21.33	31	23.06	26	23.10	16	22.95
17	21.24	June 15	23.50	Sept. 7	20.07	30	22.23
31	23.45	27	21.29	27	22.91	Dec. 18	22.47
Apr. 12	22.65	July 14	23.10	Oct. 6	23.53		

8720-3650-53 C. A. Thomas. South side of U. S. Highway 68, 1.1 miles west of its junction with Little River Church Road. Drilled unused domestic well, diameter 6 inches, depth 78 feet. Records available: 1950. Feb. 6, 34.79; May 31, 35.38; Sept. 7, 34.95.

8720-3650-69 Dr. D. H. Erkeltalin. North side of U. S. Highway 68 about 1.4 miles west of its junction with Little River Church Road. Drilled domestic and stock well, diameter 6 inches, depth 60.6 feet. Records available: 1950. Feb. 7, 48.13; May 31, 48.39; Sept. 7, 48.22.

8720-3650-76 C. S. Lacy. On farm on south side of Butler Road 1.2 miles west of Honeygrove. Dug unused stock well, diameter 18 inches, depth 13.5 feet. Records available: 1950. Oct. 7, 4.62; Oct. 24, 5.31; Nov. 4, 5.60; Nov. 16, 5.67; Nov. 30, 3.54; Dec. 18, 3.55.

8720-3650-79 N. L. Moss. 25 feet north of house on north side of Butler Road 2.2 miles east of its junction with Pilot Rock Road. Drilled domestic well, diameter 6 inches, depth 38 feet. Records available: 1950.

Feb. 16	4.86	May 30	11.38	Aug. 11	11.26	Oct. 24	12.95
Mar. 17	8.05	June 15	12.20	26	11.44	Nov. 4	13.13
31	10.30	27	9.89	Sept. 7	9.09	16	13.10
Apr. 12	11.12	July 14	14.14	27	10.31	30	11.02
28	12.51	25	11.56	Oct. 6	11.47	Dec. 18	10.00
May 11	11.30						

8720-3650-80 N. L. Moss. At northwest corner of house on north side of Butler Road 2.2 miles east of its junction with Pilot Rock Road. Dug domestic well, diameter 36 inches, depth 25.7 feet. Records available: 1950.

Feb. 16	9.50	May 30	11.99	Aug. 11	11.88	Oct. 24	13.25
Mar. 17	10.65	June 15	10.54	26	11.78	Nov. 4	14.05
31	11.33	27	12.11	Sept. 7	10.33	16	14.20
Apr. 12	11.72	July 14	9.80	27	10.50	30	13.03
28	12.85	25	12.67	Oct. 6	11.62	Dec. 18	10.94
May 11	13.45						

8720-3650-87 W. O. Oats. South side of Pilot Rock Road 3.2 miles east of its junction with Butler Road. Drilled stock well, diameter 6 inches, depth 57.5 feet. Records available: 1950. Oct. 7, 29.67; Oct. 24, 31.37; Nov. 4, 32.00; Nov. 16, 32.50; Nov. 30, 21.48; Dec. 18, 18.60.

8720-3650-98 W. A. Cowherd. On hill behind house 0.2 mile southeast of U. S. Highway 68 bridge over South Fork Little River. Drilled unused oil test well, diameter 8 inches, depth 500 feet. Records available: 1950. Oct. 7, 44.05; Oct. 24, 44.17; Nov. 4, 44.36; Nov. 16, 42.13; Nov. 30, 43.28; Dec. 16, 41.45.

8725-3640-3 E. G. LaMotte. On private farm road 0.5 mile east of U. S. Highway 41-W and 0.6 mile north of Bolivar. Drilled stock well, diameter 8 inches, depth 225 feet. Records available: 1950.

Feb. 3	2.74	Apr. 28	16.39	July 25	15.53	Oct. 24	15.77
17	10.31	May 11	14.05	Aug. 11	15.98	Nov. 4	16.40
Mar. 3	10.48	29	15.84	26	14.25	16	14.40
17	9.50	June 15	16.23	Sept. 6	7.37	30	13.83
30	13.29	27	15.15	27	15.43	Dec. 18	12.72
Apr. 12	14.79	July 14	16.15	Oct. 7	16.20		

8725-3645-32 Holland Garnet. On private farm road 0.6 mile east of U. S. Highway 41-W and 0.5 mile north of Tennessee Central Railroad trestle at Masonville. Dug stock and domestic well, diameter 48 inches, depth 22 feet. Records available: 1949-50.

8725-3645-32--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 21, 1949	12.9	Apr. 12, 1950	15.30	July 14, 1950	17.12	Oct. 7	16.68
Feb. 3, 1950	7.01	28	16.91	25	17.45	24	17.15
17	7.70	May 11	15.80	Aug. 11	17.38	Nov. 4	17.42
Mar. 3	13.82	29	16.34	26	16.88	16	17.25
17	13.12	June 15	17.45	Sept. 6	9.53	30	14.84
30	14.89	27	14.40	27	15.43	Dec. 18	13.93

8725-3645-39 J. L. Reeves. At end of private road 0.2 mile south of Reeves-Casky Road 1.3 miles east of its junction with U. S. Highway 41-W. Dug domestic well, diameter 36 inches, depth 27 feet. Records available: 1949-50.

Dec. 21, 1949	16.64	Apr. 12, 1950	16.68	July 14, 1950	16.75	Oct. 7	16.73
Jan. 6, 1950	14.23	28	16.72	25	16.72	24	16.74
Feb. 3	14.80	May 11	16.69	Aug. 11	16.69	Nov. 4	16.93
17	15.00	29	16.71	26	16.72	16	16.67
Mar. 3	16.60	June 15	16.78	Sept. 6	16.53	30	16.70
17	16.62	27	16.53	27	16.71	Dec. 18	16.73
30	16.05						

8725-3645-44 C. W. Foard. Beside Foard's Cafe on west side of U. S. Highway 41-W 0.7 mile north of Tennessee Central Railroad trestle at Masonville. Drilled unused domestic well, diameter 6 inches, depth 81 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	3.86	Apr. 12	10.10	July 14	12.47	Oct. 7	d12.8
Feb. 3	2.65	28	11.85	25	13.91	24	d12.8
17	3.92	May 11	11.34	Aug. 11	15.31	Nov. 4	d12.8
Mar. 3	9.50	29	11.89	26	14.83	16	d12.8
17	7.47	June 15	14.38	Sept. 6	4.78	30	12.03
30	9.60	27	9.09	27	10.24		

d Dry at this depth.

8725-3645-53 W. O. King. On farm 800 feet east of U. S. Highway 41-W and 1.0 mile south of highway bridge over South Fork Little River. Drilled stock well, diameter 6 inches, depth 48 feet. Records available: 1950.

Mar. 3	3.79	May 29	7.40	Aug. 11	7.47	Oct. 24	9.04
17	3.99	June 15	9.63	28	6.37	Nov. 4	9.80
30	6.46	27	5.96	Sept. 6	2.96	16	7.51
Apr. 12	6.46	July 14	9.65	27	5.96	30	5.49
28	8.58	25	8.45	Oct. 7	8.66	Dec. 18	4.72
May 11	4.81						

8725-3645-57 Charles E. Sivley. On Crabtree Farm 0.8 mile south of U. S. Highway 41-W bridge over South Fork Little River and about 0.5 mile west of the highway. Drilled unused domestic well, diameter 6 inches, depth 60.3 feet. Records available: 1950.

Jan. 4	9.95	Mar. 30	17.37	June 27	17.77	Oct. 7	17.73
31	13.06	Apr. 12	17.70	July 14	18.21	24	18.20
Feb. 3	10.51	28	16.92	25	18.21	Nov. 4	18.32
17	11.47	May 11	17.58	Aug. 11	18.16	16	18.13
Mar. 3	16.18	29	17.83	Sept. 6	14.39	30	17.46
18	16.66	June 16	18.19	27	17.29	Dec. 18	16.49

8725-3645-77 Stanley Bronaugh. 600 feet south of U. S. Highway 41-E and 0.8 mile northwest of Casky Road. Drilled domestic and stock well, diameter 6 inches, depth 76.4 feet. Records available: 1950. Jan. 17, 8.70; May 31, 20.77; Sept. 6, 12.66.

8725-3645-93 W. Doris. North side of U. S. Highway 41 opposite its junction with Casky Road. Drilled unused domestic well, diameter 6 inches, depth 61.5 feet. Records available: 1950. Mar. 30, 36.77; May 31, 41.75; Sept. 6, 30.39.

8725-3645-99 J. W. Sholar. In Casky, 500 feet northeast of Louisville & Nashville Railroad crossing at Casky Road. Drilled stock and domestic well, diameter 6 inches, depth 150 feet. Records available: 1950. Jan. 24, 10.95; May 31, 21.14; Sept. 6, 11.35.

8725-3645-106 C. Watkins. In Casky, 500 feet south of Louisville & Nashville Railroad and 0.1 mile west of Reeves-Casky Road. Drilled domestic well, diameter 6 inches, depth 32.3 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	6.62	Apr. 28	19.04	July 26	20.73	Oct. 24	20.90
Feb. 17	4.61	May 11	12.94	Aug. 11	21.71	Nov. 4	21.91
Mar. 3	10.32	31	17.71	26	18.99	16	21.38
17	9.94	June 15	20.44	Sept. 7	7.17	30	13.16
31	10.85	27	13.53	27	16.01	Dec. 18	11.74
Apr. 12	14.55	July 14	19.60	Oct. 7	18.79		

8725-3645-114 Enis Haddock. West side of Reeves-Casky Road 0.6 mile south of Louisville & Nashville Railroad crossing at Casky. Dug stock and domestic well, diameter 48 inches, depth 23.9 feet. Records available: 1950. Jan. 24, 9.39; May 31, 13.38; Sept. 7, 12.69.

8725-3645-116 J. B. McCain. East side of Reeves-Casky Road 0.7 mile northeast of its intersection with Bradshaw Pike. Dug stock well, diameter 48 inches, depth 17.1 feet. Records available: 1950. Jan. 24, 8.66; May 31, 12.23; Sept. 7, 8.60.

8725-3645-125 Charles Garnet. On private farm road 0.1 mile west of Bradshaw Pike and 0.2 mile south of intersection of Bradshaw Pike and Reeves-Casky Road. Drilled unused domestic well, diameter 6 inches, depth 79.5 feet. Records available: 1950.

Jan. 20	j +0.2	Apr. 28	16.83	July 24	14.96	Oct. 24	15.00
Feb. 3	.86	May 11	3.95	Aug. 11	14.46	Nov. 4	15.10
17	1.16	31	15.59	26	14.57	16	4.29
Mar. 3	3.14	June 15	15.73	Sept. 7	j 1.30	30	4.95
17	2.83	27	3.97	27	13.95	Dec. 18	4.20
Apr. 12	9.33	July 14	14.99	Oct. 7	15.44		

j Flowing.

8725-3645-148 G. D. McCain. 30 feet southwest of shed on south side of farm road about 0.4 mile east of its junction with Benevolent Home Road. Dug unused domestic well, diameter 48 inches, depth 32.9 feet. Records available: 1950.

Feb. 2	10.8	May 11	11.33	Aug. 11	12.28	Oct. 24	11.90
17	11.21	31	11.60	26	12.20	Nov. 4	12.07
Mar. 3	11.74	June 15	11.90	Sept. 7	11.30	16	12.53
30	11.42	27	11.28	27	11.51	30	11.46
Apr. 12	11.72	July 14	11.68	Oct. 7	11.60	Dec. 18	11.42
28	12.40	26	12.03				

8725-3645-149 G. D. McCain. On south side of farm road, and 50 feet south of house, about 0.4 mile east of its junction with Benevolent Home Road. Drilled domestic well, diameter 6 inches, depth 150 feet. Records available: 1950.

Feb. 2	70.69	May 11	72.06	Aug. 11	74.16	Oct. 24	73.72
17	70.75	31	73.53	26	73.92	Nov. 4	73.52
Mar. 3	69.34	June 15	73.64	Sept. 7	73.30	16	73.12
30	70.52	27	73.48	27	72.68	30	72.48
Apr. 12	71.08	July 14	73.61	Oct. 7	72.82	Dec. 18	71.50
28	71.66	26	74.22				

8725-3650-1 E. J. France. 0.1 mile northeast of Stone Bridge Park on South Fork Little River 3.5 miles east of Hopkinsville. Drilled domestic well, diameter 6 inches, depth 70.3 feet. Records available: 1949-50. Nov. 25, 1949, 46.70.

Jan. 6	34.90	Mar. 31	45.22	July 14	46.17	Oct. 7	45.07
20	40.44	Apr. 12	45.63	26	46.07	24	46.78
Feb. 4	38.03	29	46.23	Aug. 11	46.22	Nov. 4	48.50
17	39.33	May 31	46.30	26	45.96	16	45.21
Mar. 3	44.94	June 15	46.16	Sept. 7	41.33	30	44.63
17	44.45	27	45.15	27	44.85	Dec. 18	44.57

8725-3650-6 G. E. Hightower. West side of Carter Addition Road 300 feet north of U. S. Highway 68. Drilled domestic well, diameter 6 inches, depth 86.2 feet. Records available: 1949-50.

8725-3650-6--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 14, 1949	44.2	Mar. 31, 1950	36.00	July 16, 1950	45.61	Oct. 7, 1950	48.13
Jan. 6, 1950	28.88	Apr. 12	52.54	26	49.30	24	38.52
20	31.40	29	48.80	Aug. 11	47.28	Nov. 4	38.80
Feb. 3	34.54	May 11	45.64	26	40.09	16	40.67
17	25.38	30	47.4	Sept. 7	46.93	30	41.29
Mar. 3	38.30	June 15	49.60	27	53.77	Dec. 18	19.42
17	32.74	27	44.23				

8725-3650-19 W. H. McRenolds. 300 feet north of U. S. Highway 41-E 1.3 miles northwest of Casky Road. Drilled unused domestic well, diameter 6 inches, depth 165 feet. Records available: 1950. Jan. 17, 45.63; May 29, 45.2±; Sept. 6, 46.52.

8725-3650-29 W. G. Harvey. North side of U. S. Highway 41-E about 0.2 mile south-east of its junction with Bradshaw Pike. Drilled unused domestic well, diameter 6 inches, depth 80.6 feet. Records available: 1950.

Jan. 18	10.71	May 29	31.12	Aug. 11	43.42	Oct. 24	40.79
Mar. 17	16.21	June 15	42.90	26	30.02	Nov. 4	43.48
Apr. 12	18.71	27	33.90	Sept. 7	15.07	16	41.73
29	33.77	July 24	45.03	27	19.26	30	19.59
May 11	27.05	26	45.34	Oct. 7	30.77	Dec. 18	17.47

8725-3650-48 R. F. Ralston. Beside Ralston's Store on north side of Greenville Road 500 feet east of its junction with Kentucky Highway 107. Drilled unused domestic well, diameter 6 inches, depth 125 feet. Records available: 1950. Feb. 6, 8.08; May 30, 29.96; Sept. 6, 22.89.

8725-3650-50 George Gates. East side of Kentucky Highway 107, 500 feet south of its junction with Greenville Road. Drilled domestic well, diameter 6 inches, depth 101.4 feet. Records available: 1950. Apr. 29, 29.78; May 29, 27.07; Sept. 6, 20.72.

8725-3650-74 Western Kentucky State Hospital. In field 0.2 mile south of U. S. Highway 68 opposite main building on State Hospital grounds which is about 1 mile east of Hopkinsville. Drilled unused institution supply well, diameter 8 inches, depth 85 feet. Records available: 1950.

Feb. 8	11.5	Apr. 29	15.52	July 26	13.93	Oct. 24	15.71
17	10.55	May 11	11.60	Aug. 11	11.27	Nov. 4	15.83
Mar. 3	11.58	30	14.04	26	12.09	16	11.80
17	11.45	June 15	13.85	Sept. 7	11.13	30	11.90
31	11.64	28	11.68	27	13.93	Dec. 18	11.82
Apr. 12	11.79	July 17	15.56	Oct. 7	15.70		

8725-3650-75 Jack Doudy. East side of Carter Addition Road 300 feet north of U. S. Highway 68. Drilled domestic well, diameter 6 inches, depth 98.5 feet. Records available: 1950.

Feb. 8	51.05	Apr. 12	51.65	June 15	52.79	July 26	52.46
Mar. 3	52.43	29	55	27	51.58	Aug. 11	52
17	51.10	May 11	51.24	July 17	53.05	27	52
31	51	30	51				

8725-3650-103 A. J. Outland. North side of Concord Road 1 mile east of its junction with U. S. Highway 41. Drilled unused domestic well, diameter 6 inches, depth 98.4 feet. Records available: 1950.

Feb. 16	4.84	June 15	38.86	Aug. 26	42.57	Nov. 4	16.17
Apr. 12	17.76	17	43.19	Sept. 6	27.09	16	15.26
29	19.36	July 14	53.14	27	13.15	30	4.56
May 11	9.70	25	54.98	Oct. 6	14.69	Dec. 18	4.78
29	26.76	Aug. 11	47.33	24	15.79		

8725-3650-108 Elmer Adams. East side of private farm road 0.1 mile south of Concord Road and 0.6 mile east of U. S. Highway 41. Drilled domestic well, diameter 6 inches, depth 48.7 feet. Records available: 1950.

Feb. 16	32.14	Apr. 1	34.68	May 11	34.96	June 27	36.76
Mar. 3	35.39	12	36.29	29	39.03	July 14	39.69
17	34.63	28	39.36	June 15	39.52	25	39.62

8725-3650-108--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 11	38.08	Sept. 27	38.76	Nov. 4	39.73	Nov. 30	37.63
26	37.76	Oct. 6	39.43	16	39.78	Dec. 1	36.39
Sept. 6	25.39	24	39.87				

8725-3650-124 Dr. Erkelidian. North side of Butler Road 1.5 miles east of its junction with old U. S. Highway 68. Drilled domestic well, diameter 6 inches, depth 136 feet. Records available: 1950. Feb. 21, 48.85; May 29, 51.65; Sept. 6, 52.34.

8725-3650-125 Duke Banton. On private road 0.2 mile north of Butler Road 1.1 miles east of its junction with old U. S. Highway 68. Drilled domestic well, diameter 6 inches, depth 68.3 feet. Records available: 1950.

Feb. 21	17.29	May 11	17.71	Aug. 11	17.90	Oct. 24	19.46
Mar. 3	16.70	30	17.42	26	18.01	Nov. 4	17.66
17	17.34	June 15	17.68	Sept. 7	17.27	16	17.84
Apr. 1	17.30	27	17.67	27	18.30	30	17.62
12	17.56	July 14	18.98	Oct. 6	17.73	Dec. 18	17.49
29	17.62	25	17.83				

8725-3650-140 Lucien Payne. On south side of Butler Road 0.9 mile east of its junction with old U. S. Highway 68. Drilled domestic well, diameter 6 inches, depth 100.1 feet. Records available: 1950. Mar. 16, 18.37; May 29, 17.14; Sept. 6, 5.99.

8725-3650-145 Hedley Robertson. South side of Butler Road 0.7 mile east of its junction with old U. S. Highway 68. Drilled domestic well, diameter 6 inches, depth 59.9 feet. Records available: 1950. Mar. 16, 34.95; May 29, 25.36; Sept. 7, 34.51.

8725-3650-147 M. D. Austin. On south side of Butler Road 0.5 mile east of its junction with old U. S. Highway 68. Drilled domestic well, diameter 6 inches, depth 170 feet. Records available: 1950. Jan. 20, 48.07; May 29, 50.93; Sept. 6, 48.40.

8730-3650-6 R. C. Owen Lumber Co. 50 feet west of power plant at R. C. Owen Lumber mill on west side of Tennessee Central Railroad 1.2 miles south of Hopkinsville station. Drilled unused industrial well, diameter 6 inches, depth 146.5 feet. Records available: 1950.

Mar. 7	31.83	May 11	29.87	June 27	27.47	Aug. 23	31.16
18	29.92	15	25.93	28	28.33	26	32.15
30	31.15	16	27.16	July 3	32.08	28	31.67
Apr. 12	31.81	18	29.46	5	32.20	29	30.71
17	32.17	19	30.45	7	32.30	30	30.84
18	32.21	22	31.77	9	32.45	31	28.45
19	32.25	23	32.09	12	32.80	Sept. 1	24.04
20	32.23	26	32.23	13	33.10	3	17.38
21	32.31	30	32.33	17	37.34	4	16.73
24	32.38	31	32.42	18	38.10	5	18.23
25	32.43	June 1	32.50	24	36.64	6	21.37
26	32.48	2	32.57	25	35.50	27	32.25
28	32.62	3	32.61	Aug. 8	33.15	Oct. 7	36.14
29	32.70	5	32.76	9	33.97	24	38.35
May 1	32.57	6	33.06	10	32.60	Nov. 4	43.36
2	32.34	12	33.31	18	28.63	16	35.77
3	32.30	13	33.35	21	29.67	30	31.78
4	32.35	14	33.22	22	30.42	Dec. 18	31.75
10	28.69	16	33.89				

Daviss County

8705-3745-4 Fleischmann Distilling Corp. well 2. About 1,400 feet northwest of city limits of Owensboro, east of Ewing Road between U. S. Highway 60 and Ohio River. In pump house about 225 feet from river. Drilled unused industrial well, diameter 12 inches, depth 118 feet. Recording gage installed Aug. 29, 1950. Records available: 1950.

Daily noon water level, from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 29	55.72	Sept. 2	55.80	Sept. 6	54.91	Sept. 10	53.03
30	56.00	3	55.21	7	54.91	11	53.10
31	56.10	4	55.20	8	54.74	12	53.98
Sept. 1	55.48	5	55.20	9	53.61	13	54.45

8705-3745-4--Continued.

Daily noon water level, from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 14	54.76	Oct. 10	53.79	Nov. 5	55.19	Dec. 2	45.07
15	54.63	11	53.78	6	54.75	3	45.41
16	54.67	12	53.64	7	54.83	4	45.38
17	53.95	13	53.49	8	54.51	5	45.61
18	53.66	14	53.61	9	53.96	6	44.26
19	54.07	15	53.44	10	53.14	7	41.98
20	54.69	16	52.99	12	50.74	8	38.39
21	54.63	17	53.25	13	49.84	9	35.33
22	54.45	18	53.43	14	50.20	10	32.65
23	54.29	19	53.67	15	50.51	11	32.56
24	53.19	20	53.96	16	50.88	12	29.62
25	51.46	21	54.23	17	51.44	13	28.95
26	50.44	22	53.99	18	52.15	14	28.38
27	49.17	23	53.86	19	52.16	15	28.13
28	48.37	24	54.37	20	51.63	16	28.10
29	47.31	25	54.96	21	51.07	17	27.96
30	47.39	26	55.30	22	49.97	18	28.52
Oct. 1	47.83	27	55.39	23	48.39	19	30.41
2	49.23	28	55.51	24	46.54	21	35.00
3	50.71	29	55.00	25	44.99	22	37.27
4	51.57	30	54.65	26	43.80	23	39.84
5	52.27	31	55.19	27	43.29	24	41.74
6	52.74	Nov. 1	55.55	28	43.23	25	42.97
7	53.15	2	55.75	29	43.55	26	44.51
8	53.11	3	55.66	30	43.99	28	46.95
9	53.15	4	55.63	Dec. 1	44.59		

Floyd County

8245-3735-2 Paul Dotson. About 3.95 miles southwest of West Prestonsburg post office, 0.05 mile north of Kentucky State Highway 114 and 15 feet west of unimproved dirt road. Drilled unused domestic and stock well, diameter 6 inches, depth 52 feet. Records available: 1950. Oct. 12, 11.86; Oct. 16, 12.18; Oct. 30, 11.92; Nov. 13, 11.84; Nov. 29, 11.46; Dec. 11, 10.88; Dec. 22, 11.45.

8245-3735-3 Paul Dotson. 0.25 mile north of Kentucky State Highway 114, 150 feet northwest of an unimproved dirt road. Dug unused domestic well, diameter 18 inches, depth 16 feet. Records available: 1950. Oct. 13, 10.17; Oct. 16, 10.17; Oct. 30, 10.15; Nov. 13, 10.36; Nov. 29, 10.26; Dec. 11, 10.29; Dec. 22, 10.34.

8245-3735-6 Tobie Marsillett. 45 feet north of Kentucky State Highway 114 and 45 feet east of dwelling. Drilled unused domestic well, diameter 6 inches, depth 100 feet. Records available: 1950. Dec. 19, 19.35.

8245-3740-1 B. M. Thompson. In well house 10 feet west of Thompson's Cafe in new addition to city of Prestonsburg, about 0.1 mile south of Cliff post office, 85 feet west of U. S. Highway 23, 460. Unused domestic and public-supply well, diameter 6 inches, depth 80 feet. Records available: 1950. Oct. 10, 37.47; Oct. 16, 37.54; Oct. 30, 37.70; Nov. 13, 37.63; Nov. 29, 37.45; Dec. 11, 35.34; Dec. 22, 36.05.

8245-3740-7 Malcolm George. 0.2 mile south of Cliff post office, 85 feet east of U. S. Highway 23, 460. Drilled unused domestic well, diameter 6 inches, depth 65 feet. Records available: 1950. Oct. 11, 28.48; Oct. 16, 28.43; Oct. 30, 28.02; Nov. 13, 28.41; Nov. 29, 28.46; Dec. 11, 27.12; Dec. 22, 27.75.

8245-3740-11 Julia Blackburn. 0.2 mile southeast of Cliff post office, 0.05 mile east of U. S. Highway 23, 460. Dug unused domestic well, diameter 18 inches, depth 19 feet. Records available: 1950. Oct. 12, 9.13; Oct. 16, 9.68; Oct. 30, 9.35; Nov. 13, 8.94; Nov. 29, 8.70; Dec. 11, 7.99; Dec. 22, 9.21.

8245-3740-12 Sol De Rossett. About 1.8 miles north of Cliff post office, 250 feet west of U. S. Highway 23, 460, 95 feet east of Little Paint Creek. Dug domestic well, diameter 18 inches, depth 24 feet. Records available: 1950. Oct. 17, 6.21; Oct. 30, 5.86; Nov. 13, 5.39; Nov. 29, 5.25; Dec. 11, 5.00; Dec. 22, 5.31.

8245-3740-15 Earmon Wadle. About 1.6 miles west of Cliff post office, 65 feet north of gravel road. Drilled unused domestic well, diameter 6 inches, depth 49 feet. Records available: 1950. Oct. 18, 12.27; Oct. 30, 12.05; Nov. 13, 11.75; Nov. 29, 11.50; Dec. 11, 10.48; Dec. 22, 11.54.

8245-3740-16 Sherd Wadle. About 1.8 miles west of Cliff post office, 0.05 mile north of gravel road. Drilled domestic well, diameter 6 inches, depth 12 feet. Records available: 1950. Oct. 18, 1.15; Oct. 30, 1.11; Nov. 13, 0.94; Nov. 29, 0.83; Dec. 11, 0.95; Dec. 22, 0.84.

8245-3740-18 Tom DeRossett. About 1.9 miles north of Cliff post office, 70 feet east of Little Paint Creek. Dug domestic well, diameter 18 inches, depth 11 feet. Records available: 1950. Oct. 16, 5.83; Oct. 30, 5.82; Nov. 13, 5.57; Nov. 29, 5.12; Dec. 11, 5.13; Dec. 22, 5.48.

8245-3740-20 Bee Daniels. About 1.6 miles north of Cliff post office, 100 feet east of U. S. Highway 23, 460. Drilled domestic well, diameter 6 inches, depth 88 feet. Records available: 1950. Oct. 16, 16.68; Oct. 30, 16.72; Nov. 13, 14.41; Nov. 29, 24.75; Dec. 11, 14.25; Dec. 22, 17.95.

8245-3740-21 Bee Daniels. About 1.6 miles north of Cliff post office, 30 feet east of U. S. Highway 23, 460. Dug unused domestic well, diameter 18 inches, depth 18 feet. Records available: 1950. Oct. 16, 6.97; Oct. 30, 4.53; Nov. 13, 3.26; Nov. 29, 2.50; Dec. 11, 2.86; Dec. 22, 4.11.

8245-3740-23 Frank Neeley. About 1.6 miles west of Cliff post office, 0.1 mile north of gravel road, 40 feet east of unimproved road. Dug unused domestic well, diameter 18 inches, depth 28 feet. Records available: 1950. Oct. 30, 12.76; Nov. 13, 12.40; Nov. 29, 11.66; Dec. 11, 12.00; Dec. 22, 13.06.

8250-3740-3 Sam Shell. About 0.9 mile east of Bonanza post office, 25 feet north of gravel road. Drilled domestic well, diameter 6 inches, depth 40 feet. Records available: 1950. Nov. 14, 15.26; Nov. 29, 14.75; Dec. 11, 13.95; Dec. 22, 14.87.

Fulton County

8850-3630-1 Fulton Water Works. In Fulton, corner of Norman and Water Sts. Unused public-supply well, diameter 8 inches, depth 400 feet. Records available: 1945, 1947, 1950. Nov. 19, 1945, 7.69; Nov. 21, 1947, 13.58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16	5.15	Apr. 29	5.75	July 31	6.09	Oct. 30	5.75
28	4.96	May 29	5.55	Aug. 31	5.56	Nov. 30	5.41
Mar. 28	8.80	June 28	5.67	Sept. 27	6.07	Dec. 31	6.30

Graves County

8830-3650-55 Artell Holshouser. 0.75 mile south of Symsonia, 800 feet east of State Highway 131. Dug unused domestic well, diameter 24 inches, depth 35.5 feet. Records available: 1950. Nov. 7, 30.79; Nov. 22, 30.16; Dec. 4, 30.18; Dec. 20, 30.31.

8830-3655-86 Frank Wallace. In Symsonia, on south side of Oaks road, 600 feet southeast of Said Road. Dug unused domestic well, diameter 24 inches, depth 49.5 feet. Records available: 1950. Nov. 13, 45.57; Nov. 22, 45.41; Dec. 4, 45.50; Dec. 20, 45.55.

8835-3650-6 Forrest Rhew. 0.5 mile west of Dogwood, 200 feet north of Dogwood-Mount Pisgah Church road. Drilled unused domestic well, diameter 8 inches, depth 76 feet. Records available: 1950. Nov. 7, 40.99; Nov. 22, 40.84; Dec. 4, 40.66; Dec. 20, 40.94.

Henderson County

8730-3740-4 Elliot Toy. South side of Kentucky Highway 136, 1.3 miles southeast of Anthonston. Drilled unused stratigraphic test well, diameter 4 inches, depth 300-400 feet. Well plugged partially by coal fragment at depth of 25.2 feet. Records available: 1949-50. Nov. 30, 1949, 12.25; Oct. 26, 1950, 14.27; Nov. 13, 1950, 15.57; Dec. 1, 1950, 12.43; Dec. 15, 1950, 9.10; Dec. 22, 1950, 9.21.

8730-3745-1 Mrs. Zaneda Watson. South side of Airline Road, 2 miles southeast of Henderson. Drilled unused domestic well, diameter 6-5/8 inches, depth 176 feet. Well deepened from 125 to 176 feet, Sept. 7, 1950. Measurement discontinued. Records available: 1949-50.

8730-3745-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 6, 1949	28.50	Jan. 10, 1950	88.61	Mar. 17, 1950	87.70	May 15, 1950	87.18
8	84.50	Feb. 3	88.45	31	87.74	29	87.28
Nov. 10	85.74	17	88.22	Apr. 14	87.63	June 9	87.34
Dec. 6	88.41	Mar. 6	87.88	28	87.52		

8730-3745-45 Finace Hayes. South side of Zion Road 0.8 mile southeast of Henderson. Drilled unused domestic well, diameter 6 inches, depth 85 feet. Records available: 1949-50.

Nov. 3, 1949	12.25	Mar. 17, 1950	9.28	June 9, 1950	9.60	Sept. 29, 1950	9.69
Dec. 6	11.50	31	9.20	23	9.66	Oct. 13	9.65
Jan. 5, 1950	10.41	Apr. 14	9.07	July 7	9.84	23	9.54
18	10.12	28	9.37	24	10.01	Nov. 13	9.29
Feb. 3	9.80	May 11	9.30	Aug. 8	10.06	Dec. 1	9.00
17	9.53	29	9.48	Sept. 1	9.96	15	8.72
Mar. 6	9.37						

8730-3745-48A M. L. Cooper. At intersection of Zion Road and new U. S. Highway 41, 0.2 mile southeast of Henderson. Drilled unused domestic well, diameter 6 inches, depth 350 feet. (This well is inside dug well.) Water in dug well in winter often overflows into the drilled well causing a rise. Recording gage installed July 21, 1950. Records available: 1949-50. Nov. 4, 1949, 70.42; Dec. 6, 1949, 70.39.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	a2.35	Mar. 6	a69.94	Apr. 14	a70.29	May 29	a70.50
18	a51.21	17	a54.08	28	a70.56	June 9	a70.71
Feb. 3	a47.12	31	a70.22	May 11	a65.45	23	a70.62
17	a59.12						

a Tape measurement.

Daily noon water level, from recorder graph

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	70.49	70.76	70.73	70.58
2	.....	.....	70.55	70.77	70.69	70.48
3	.....	a70.71	70.57	70.77	70.70	.....
4	.....	70.71	70.62	70.77	70.65	.....
5	.....	70.72	70.68	70.76	70.70	.....
6	.....	.....	70.72	70.72	70.72	.....
7	a70.79	.....	70.68	70.70	70.77	.....
8	.....	.....	70.56	70.64	70.64	48.75
9	.....	.....	70.50	70.61	70.61	53.63
10	.....	70.75	70.47	70.65	70.77	46.29
11	.....	70.75	70.48	70.65	70.84	54.11
12	.....	70.79	70.52	70.66	70.85	58.49
13	.....	70.79	70.57	70.76	70.84	58.30
14	.....	70.77	70.62	70.74	70.83	47.44
15	.....	70.75	70.62	70.75	70.78	46.45
16	.....	70.76	70.61	70.81	70.69	.....
17	.....	70.76	70.67	70.85	70.78	.....
18	.....	70.70	70.74	70.83	70.71	.....
19	.....	70.71	70.73	70.73	70.55	.....
20	.....	70.75	70.71	70.69	51.70	.....
21	70.72	70.78	70.64	70.68	58.14	.....
22	70.74	70.77	70.59	70.49	67.24	70.54
23	70.71	70.79	70.60	70.60	69.70	70.61
24	70.74	70.82	70.70	70.70	70.37	70.60
25	70.78	70.80	70.77	70.74	70.46	70.68
26	70.71	70.79	70.77	70.75	70.34	70.63
27	70.70	70.79	70.76	70.69	70.36	70.83
28	70.68	70.79	70.76	70.65	70.51	.....
29	70.67	70.74	70.77	70.73	70.59	70.74
30	70.66	70.69	70.76	70.76	70.53	70.78
31	.....	70.61	.....	70.76	.....	70.84

a Tape measurement.

8730-3745-48B M. L. Cooper. At intersection of Zion Road and new U. S. Highway 41 0.2 mile southeast of Henderson. Dug unused domestic well, diameter 30 inches, depth 32.4 feet. Records available: 1949-50.

8730-3745-48 B--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 4, 1949	7.15	Feb. 17, 1950	2.15	Apr. 28, 1950	3.78	June 23, 1950	3.98
Dec. 6	8.34	Mar. 6	2.90	May 11	2.34	July 7	5.62
Jan. 5, 1950	2.22	17	2.23	29	4.09	Oct. 20	9.45
18	2.04	31	2.48	June 9	3.83	Dec. 1	4.47
Feb. 3	2.19	Apr. 14	3.03				

8730-3745-63 W. D. Lambert. South side of Zion Road, 1.6 miles southeast of Henderson. Dug unused domestic and stock well, diameter 42 inches, depth 24.6 feet. 200 foot drilled well in use about 15 feet away. Records available: 1949-50.

Nov. 7, 1949	10.10	Mar. 6, 1950	5.54	June 9, 1950	8.57	Sept. 29, 1950	10.17
Dec. 6	10.76	31	5.48	23	8.89	Oct. 13	10.96
Jan. 6, 1950	3.51	Apr. 14	5.61	July 7	9.90	27	11.34
18	4.19	28	6.96	24	10.71	Nov. 13	10.65
Feb. 3	4.45	May 11	6.35	Aug. 8	10.82	Dec. 1	8.60
17	4.48	29	8.03	Sept. 1	9.34	15	7.16

8730-3745-121 A. M. Toy. North side of new U. S. Highway 41, 3.4 miles southeast of Henderson. Dug unused domestic well, diameter 30 inches, depth 36.3 feet. Records available: 1949-50.

Dec. 7, 1949	30.95	Mar. 17, 1950	27.10	June 9, 1950	27.02	Sept. 1, 1950	28.89
Jan. 5, 1950	30.63	31	27.10	23	27.26	29	29.25
18	29.32	Apr. 14	26.48	July 7	27.74	Oct. 27	29.44
Feb. 3	28.94	28	26.58	24	28.20	Dec. 1	29.52
17	28.14	May 11	26.82	Aug. 8	28.49	15	29.30
Mar. 6	27.33	29	26.60				

8730-3745-162 R. P. Gish. In village of Anthoston on east side of Kentucky Highway 136. Dug unused domestic well, diameter 36 inches, depth 40.6 feet. Drilled domestic well in use 50 feet away. Recording gage maintained July 20 to Sept. 14, and Dec. 22 to 31, 1950. Records available: 1949-50.

Daily noon water level, from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 29, 1949	a 31.74	July 27, 1950	25.31	Aug. 19, 1950	26.35	Sept. 10, 1950	26.67
Jan. 6, 1950	a 5.53	28	25.38	20	26.44	11	26.53
18	a 5.36	29	25.44	21	26.54	12	26.47
Feb. 3	a 5.98	30	25.49	22	26.61	13	26.42
17	a 5.05	31	25.55	23	26.69	14	26.39
Mar. 6	a 8.65	Aug. 1	25.26	24	26.78	15	a 26.27
17	a 7.70	2	25.19	25	26.82	29	a 26.45
31	a 7.09	3	25.18	26	26.86	Oct. 13	a 27.45
Apr. 14	a 7.50	4	25.22	27	26.90	27	a 27.98
28	a 10.39	5	25.25	28	26.94	Nov. 13	a 28.71
May 15	a 10.50	6	25.31	29	26.95	Dec. 1	a 22.93
29	a 13.06	7	25.37	30	26.94	15	a 17.23
June 9	a 14.77	8	25.43	31	26.92	22	a 17.96
23	a 18.15	9	25.43	Sept. 1	26.80	23	17.93
July 7	a 21.60	10	25.49	2	26.82	24	17.83
19	a 24.11	11	25.58	3	26.88	25	18.06
20	24.22	12	25.73	4	26.97	26	17.88
21	24.45	13	25.87	5	27.07	27	18.41
22	24.65	14	25.98	6	27.17	28	18.42
23	24.79	15	26.06	7	27.15	29	18.36
24	24.92	16	26.15	8	27.02	30	18.53
25	25.06	17	26.25	9	26.85	31	18.81
26	25.16	18	26.29				

a Tape measurement.

8730-3745-198 Mrs. Coleman Hicks. Northeast of new U. S. Highway 41, 1.25 miles northwest of Anthoston. Drilled unused domestic well, diameter 6 inches, depth 40 feet. Recording gage installed August 14, 1950. Records available: 1949-50. Dec. 1, 1949, 17.06.

8730-3745-198--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	a 12.77	Mar. 6	a 12.41	Apr. 28	a 13.34	June 23	a 14.32
18	a 11.78	17	a 12.23	May 15	a 12.98	July 7	a 15.05
Feb. 3	a 11.97	31	a 12.59	29	a 13.68	24	a 15.92
17	a 11.76	Apr. 14	a 12.49	June 9	a 13.93		

a Tape measurement.

Daily noon water level, from recorder graph

Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	15.97	15.35	16.07	14.32
2	.....	15.98	15.38	16.03	14.16
3	.....	15.98	15.41	16.08	14.07
4	.....	15.96	15.43	16.03	13.97
5	.....	16.00	15.45	16.12	13.98
6	.....	16.00	15.45	16.14	13.90
7	.....	15.93	15.48	16.21	.....
8	a 15.67	15.80	15.44	16.14	13.69
9	.....	15.68	15.46	16.02	13.64
10	.....	15.53	15.54	16.03	13.56
11	.....	15.45	15.58	16.01	13.53
12	.....	15.45	15.69	15.96	13.46
13	.....	15.45	15.81	15.91	13.53
14	a 15.67	15.43	15.81	15.83	13.53
15	15.66	15.38	15.88	15.74	13.50
16	15.71	15.33	16.01	15.58	13.56
17	15.74	15.36	16.09	15.54	13.58
18	15.71	15.37	16.09	15.35	13.63
19	15.77	15.33	15.96	15.14	13.64
20	15.86	15.29	15.93	14.95	13.70
21	15.92	15.19	15.93	14.95	13.77
22	16.00	15.13	15.91	14.73	13.72
23	16.07	15.14	15.88	14.64	13.74
24	16.16	15.30	15.97	14.67	13.69
25	16.19	15.32	16.04	14.56	13.77
26	16.27	15.36	16.06	14.31	13.66
27	16.34	15.35	15.97	14.35	.....
28	16.38	15.35	15.99	14.42	.....
29	16.40	15.36	16.07	14.44	13.84
30	16.38	15.35	16.11	14.36	13.87
31	16.33		16.10		.....

a Tape measurement.

8730-3745-219 R. R. Roberts. South side of Schuette Road, 0.4 mile west of new U. S. Highway 41 and 3 miles southeast of Henderson city limits. Dug and drilled domestic well, diameter 42 inches to depth of 42 feet and 6 inches to depth of 72 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 5, 1949	38.18	Apr. 14, 1950	35.30	July 7, 1950	36.85	Oct. 13, 1950	36.86
Feb. 3, 1950	34.73	28	35.72	24	36.58	27	37.11
17	34.55	May 15	35.65	Aug. 3	36.50	Nov. 13	37.57
Mar. 6	36.90	29	36.72	Sept. 1	37.08	Dec. 1	37.20
17	35.25	June 9	36.38	14	37.28	15	36.38
31	34.65	23	36.10				

8730-3745-220 R. R. Roberts. South side of Schuette Road, 0.4 mile west of new U. S. Highway 41 and 3 miles southeast of Henderson city limits. In farm yard 50 feet southwest of well 8730-3745-219. Drilled unused industrial well, diameter 6 inches, depth 75 feet. Stream of water enters well about 1 foot below bottom of casing in wet weather. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 5, 1949	37.04	Mar. 17, 1950	31.12	June 9, 1950	34.17	Sept. 14, 1950	34.10
Jan. 6, 1950	29.24	31	30.98	23	34.23	Oct. 13	35.43
18	31.52	Apr. 14	31.85	July 7	34.44	27	35.36
Feb. 3	31.65	28	33.26	24	35.08	Nov. 13	35.70
17	30.97	May 15	32.05	Aug. 3	34.70	Dec. 1	33.41
Mar. 6	31.52	29	33.16	Sept. 1	34.37	15	32.83

8730-3745-221 R. R. Roberts. Southside of Schuette Road, 0.4 mile west of new U. S. Highway 41 and 3 miles southeast of Henderson city limits, 500 feet northeast of well 8730-3745-219. Drilled unused stratigraphic test well, diameter 5 inches, reported depth 500 feet, measured depth 106 feet. Recording gage installed July 21, 1950. Records available: 1949-50. Dec. 5, 1949, 34.29.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	a34.05	Mar. 6	a32.24	Apr. 14	a32.17	May 29	a31.85
18	a33.50	17	a31.95	28	a31.89	June 9	a32.03
Feb. 3	a33.47	31	a32.24	May 15	a31.68	23	a32.03
17	a32.80						

a Tape measurement.

Daily noon water level, from recorder graph

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	32.58	.....	.....	32.83	32.75
2	.....	32.54	.....	.....	32.88	32.58
3	.....	32.54	.....	.....	32.88	32.72
4	.....	32.55	.....	.....	32.82	32.84
5	.....	32.55	.....	.....	32.98	32.92
6	.....	32.58	.....	32.71	33.05	32.70
7	a32.12	32.57	a32.71	32.68	33.04	32.75
8	.....	32.44	.....	32.54	32.82	32.98
9	.....	32.39	.....	32.60	33.05	32.71
10	.....	32.48	.....	32.71	33.38	32.76
11	.....	32.48	.....	32.64	33.36	32.63
12	.....	32.55	.....	32.83	33.25	32.53
13	.....	32.58	.....	32.88	33.20	32.64
14	.....	32.50	32.73	32.80	33.07	32.64
15	.....	32.46	32.73	32.94	32.97	32.71
16	.....	32.54	32.82	33.04	32.94	32.83
17	.....	32.49	32.89	33.07	33.12	32.87
18	.....	32.36	32.79	32.89	32.86	32.91
19	.....	32.49	32.64	32.73	32.59	32.71
20	.....	32.58	32.48	32.72	33.06	32.92
21	a32.39	32.56	32.49	32.68	33.10	32.92
22	32.35	32.58	a32.51	32.69	32.88	32.61
23	32.29	32.64	.....	32.87	32.92	32.50
24	32.36	32.64	.....	32.94	33.20	32.49
25	32.44	32.57	.....	33.02	32.90	32.46
26	32.43	32.60	.....	32.95	32.52	32.51
27	32.44	32.59	.....	32.74	32.77	32.77
28	32.49	32.52	.....	32.87	33.00	32.46
29	32.52	32.54	a32.83	33.01	32.94	32.39
30	32.54	32.50	.....	32.98	32.78	32.43
31	32.56	a32.24	.....	32.95	.....	32.62

a Tape measurement.

8730-3745-222 R. R. Roberts. South side of Schuette Road, 0.4 mile west of new U. S. Highway 41 and 3 miles southeast of Henderson city limits. In farm yard about 300 feet east of well 8730-3745-219. Dug unused domestic well, diameter 42 inches, depth 47 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 5, 1949	42.62	Apr. 28, 1950	38.20	July 7, 1950	40.46	Oct. 13, 1950	40.95
Feb. 17, 1950	35.06	May 15	37.70	24	40.55	27	40.86
Mar. 6	36.90	29	39.11	Aug. 3	40.64	Nov. 13	41.29
17	36.42	June 9	39.87	Sept. 1	40.46	Dec. 1	40.95
31	36.75	23	90.17	14	40.82	15	40.85
Apr. 14	36.85						

8730-3750-14 J. C. Ellis. In well house on farm land 300 feet north of U. S. Highway 60, 3.6 miles east of Henderson. Drilled unused domestic well, diameter 4 inches, depth 142 feet. Two drilled wells for use of Spence Tea Room in line 150 feet and 200 feet distant respectively. Records available: 1949-50.

Sept. 12, 1949	78.10	Feb. 3, 1950	87.50	Apr. 14, 1950	93.10	June 23, 1950	93.39
Nov. 21	92.35	17	91.53	28	93.11	July 7	93.63
Dec. 22	92.40	Mar. 6	92.10	May 11	93.25	24	93.70
Jan. 5, 1950	88.85	17	92.40	29	93.20	Aug. 8	93.73
18	85.37	31	92.85	June 9	93.42	Sept. 1	93.47

8730-3750-14--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 29, 1950	94.00	Oct. 27, 1950	93.84	Dec. 1, 1950	91.17	Dec. 15, 1950	90.59
Oct. 13	94.04	Nov. 13	94.25				

8730-3750-21 Henderson Creamery. East side of farm lane, 0.5 mile south of Green River Road about 2.1 miles northeast of its intersection with U. S. Highway 60. Dug unused domestic and stock well, diameter 30 inches, depth 20.6 feet. Records available: 1949-50. Measurement discontinued.

Oct. 7, 1949	14.40	Feb. 3, 1950	5.07	Mar. 31, 1950	7.81	May 11, 1950	9.55
Nov. 21	14.07	17	5.12	Apr. 14	7.78	26	9.83
Dec. 22	13.05	Mar. 6	7.42	28	8.88	July 11	11.98
Jan. 5, 1950	7.73						

8730-3750-23 C. A. Dempewolf. In pasture on north side of farm road about 1,000 feet northeast of end of Wathen Lane and about 1.5 miles northeast of intersection of Wathen Lane and U. S. Highway 60. Dug unused stock well, diameter 30 inches, depth 27.4 feet. Records available: 1949-50. Measurement discontinued.

Oct. 7, 1949	5.30	Jan. 18, 1950	2.48	Mar. 17, 1950	3.12	May 11, 1950	1.02
Nov. 21	6.39	Feb. 3	2.22	31	3.13	26	4.03
Dec. 22	4.40	17	2.41	Apr. 14	3.30	July 11	4.89
Jan. 5, 1950	1.61	Mar. 6	3.39	28	4.00		

8730-3750-38 Mrs. Edith Collins. 300 feet southwest of Watson Lane. 0.4 mile southeast of its intersection with U. S. Highway 41. Drilled unused domestic well, diameter 8 inches, depth 147 feet. Records available: 1949-50.

Oct. 17, 1949	65.00	Mar. 6, 1950	58.93	May 26, 1950	59.85	Sept. 29, 1950	64.26
Nov. 21	65.01	17	58.87	June 9	60.64	Oct. 13	64.84
Dec. 22	64.65	31	59.20	23	61.97	27	64.10
Jan. 5, 1950	64.47	Apr. 14	59.45	July 7	63.27	Nov. 13	64.27
18	63.26	28	59.34	Aug. 8	63.25	Dec. 1	63.68
Feb. 3	61.99	May 11	59.60	Sept. 1	63.34	15	63.59
17	60.69						

8730-3750-40 State of Kentucky, Division of Parks. In Audubon State Park, about 1,100 feet northwest of Green River Road. 1.8 miles northeast of its intersection with U. S. Highway 60. Drilled unused domestic well, diameter 6 inches, depth 45 feet. Records available: 1949-50.

Oct. 17, 1949	11.70	Mar. 6, 1950	8.50	June 9, 1950	8.87	Sept. 29, 1950	10.55
Nov. 21	11.56	17	8.28	23	9.20	Oct. 13	10.79
Dec. 22	10.98	31	8.09	July 7	9.70	27	10.84
Jan. 5, 1950	10.18	Apr. 14	8.06	24	10.06	Nov. 13	10.81
18	8.98	28	8.50	Aug. 8	10.30	Dec. 1	10.48
Feb. 3	8.65	May 11	8.24	Sept. 1	10.19	15	10.19
17	8.12	26	8.70				

8730-3750-54 Mrs. Charles Argue. South side of U. S. Highway 60. 2.2 miles northeast of Henderson. Drilled unused domestic well, diameter 6 inches, depth 150 feet. Records available: 1949-50.

Nov. 2, 1949	16.20	Mar. 6, 1950	11.16	June 9, 1950	11.93	Sept. 29, 1950	14.82
21	17.88	17	10.68	23	12.53	Oct. 13	15.74
Dec. 22	15.80	31	10.49	July 7	13.75	27	15.79
Jan. 5, 1950	13.62	Apr. 14	10.53	24	14.83	Nov. 13	14.72
18	11.83	28	11.46	Aug. 8	14.47	Dec. 1	13.71
Feb. 3	11.00	May 11	10.66	Sept. 1	14.18	15	12.72
17	10.48	26	11.77				

8730-3750-142 Mr. Covington Overfield. Northeast side of Harmony Lane between U. S. Highway 41 and Old Evansville Road. Drilled unused domestic well, diameter 6 inches, depth 85.6 feet. Recording gage installed July 19, 1950. Records available: 1949-50. Dec. 6, 1949, 44.95; Dec. 22, 1949, 45.40.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	45.05	Feb. 3	41.68	Mar. 6	35.50	Mar. 31	35.37
18	44.38	17	38.64	17	35.18	Apr. 14	35.23

8730-3750-142--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 28	34.98	July 7	37.25	July 23	37.80	July 28	38.09
May 11	35.40	19	37.64	24	37.93	29	38.15
29	36.05	20	37.73	25	37.94	30	38.21
June 9	36.50	21	37.75	26	37.98	31	38.20
23	37.00	22	37.81	27	38.08		

Daily noon water level, from recorder graph

Day	Aug.	Sept.	Oct.	Nov.	Dec.	Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	38.22	39.52	40.54	41.24	41.74	17	38.90	40.21	40.88	41.73	41.33
2	38.23	39.58	40.60	41.31	41.78	18	38.96	40.24	40.96	41.65	41.27
3	38.29	39.60	40.61	41.32	41.80	19	39.00	40.23	.....	41.69	41.15
4	38.30	39.69	40.61	41.36	41.76	20	39.03	40.25	40.89	41.90	41.13
5	38.37	39.78	.....	41.38	41.74	21	39.01	40.26	40.97	41.67	41.00
6	38.43	39.73	40.59	41.48	41.68	22	39.07	40.32	41.02	41.72	40.95
7	38.48	39.74	40.57	41.44	41.70	23	39.13	40.35	41.07	41.78	40.88
8	38.51	39.80	40.60	41.45	41.71	24	39.14	40.41	.....	41.79	40.84
9	38.59	39.84	40.66	41.54	41.61	25	39.19	40.44	.....	41.73	40.68
10	38.63	39.86	40.72	41.56	41.74	26	39.26	40.45	.....	41.80	40.73
11	38.68	39.90	40.71	41.59	41.61	27	39.30	40.46	41.09	41.84	40.56
12	38.79	39.99	40.81	41.58	41.59	28	39.36	40.49	.....	41.82	40.44
13	38.77	40.07	40.80	41.61	41.54	29	39.37	40.50	.....	41.76	40.38
14	38.79	40.08	40.85	41.61	41.52	30	39.45	40.49	41.22	41.83	40.33
15	38.86	40.14	40.86	41.62	41.51	31	39.43		41.26		40.26
16	38.88	40.15	40.86	41.68	41.40						

8730-3750-143 Audie Wilson. Southeast side of Old Evansville Road 1 mile northeast of Henderson. Drilled unused domestic well, diameter 6 inches, depth 109.4 feet. Records available: 1949-50.

Dec. 6, 1949	39.56	Mar. 14, 1950	27.65	May 10, 1950	30.12	Aug. 8, 1950	33.90
22	39.45	17	27.80	18	30.57	Sept. 1	34.89
Jan. 5, 1950	39.00	28	28.85	26	30.94	29	35.56
18	37.72	Apr. 3	29.04	June 2	31.26	Oct. 13	35.84
Feb. 3	32.21	14	28.88	9	31.63	27	36.18
17	29.05	21	28.72	23	32.18	Nov. 13	36.59
Mar. 7	27.12	24	28.80	July 7	32.46	Dec. 1	36.47
9	27.35	28	29.16	24	33.22	15	35.86

8730-3750-158 Gene Warren. In pasture south of U. S. Highway 60, 2.1 miles east of Henderson. Dug unused domestic well, diameter 36 inches, depth 30.1 feet. Measurement discontinued. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 31, 1949	11.35	Jan. 18, 1950	3.11	Mar. 6, 1950	6.37	May 11, 1950	8.74
Nov. 21	11.52	Feb. 3	2.99	31	5.64	26	9.24
Dec. 22	9.54	17	3.55	Apr. 14	6.32	July 11	12.15
Jan. 5, 1950	3.32						

8730-3750-192 Ewing Galloway Farms. 700 feet south of La Rue Road, 2.4 miles northeast of its intersection with Zion Road. Dug unused domestic and stock well, diameter 42 inches, depth 48.9 feet. Measurement discontinued. Records available: 1949-50.

Nov. 3, 1949	7.40	Jan. 18, 1950	2.86	Mar. 17, 1950	4.33	May 15, 1950	6.18
21	7.71	Feb. 3	2.74	31	4.97	29	6.18
Dec. 22	4.63	17	3.30	Apr. 14	5.43	June 9	6.27
Jan. 5, 1950	2.09	Mar. 6	5.33	28	6.35		

8730-3750-201 Ben Rash. 20 feet north of La Rue Road 3 miles northeast of its intersection with Zion Road. Drilled stratigraphic test well, diameter 4 inches, depth 76 feet. Records available: 1949-50.

Nov. 7, 1949	14.10	Mar. 6, 1950	10.16	May 29, 1950	11.39	Sept. 1, 1950	13.60
21	14.26	17	10.37	June 9	11.73	29	13.56
Dec. 22	12.93	31	10.50	23	12.01	Oct. 13	13.57
Jan. 5, 1950	10.87	Apr. 14	10.44	July 7	12.57	27	13.69
18	9.99	28	11.21	24	13.07	Nov. 13	13.68
Feb. 3	9.89	May 11	11.54	Aug. 8	13.39	Dec. 15	10.82
17	9.74						

8730-3750-207 W. G. Hodge. North side of U. S. Highway 60, 2.6 miles east of Henderson. Dug unused domestic and stock well, diameter 48 inches, depth 40 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 21, 1949	7.30	Feb. 17, 1950	3.57	May 11, 1950	5.28	Aug. 8, 1950	6.79
Dec. 22	5.96	Mar. 6	5.35	29	5.78	Sept. 29	6.49
Jan. 5, 1950	2.02	31	5.10	June 9	5.88	Oct. 27	6.72
18	3.30	Apr. 14	5.15	23	6.05	Dec. 15	5.66
Feb. 3	3.23	28	5.56	July 7	6.62		

8730-3750-209 James Barker. Northwest side of Old Evansville Road, 1.4 miles north-east of Henderson. Driven unused stock well, diameter $1\frac{1}{4}$ inches, depth 55 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6	38.28	Mar. 1	33.87	Apr. 21	33.78	July 24	38.50
7	38.60	2	33.78	24	33.70	Aug. 8	38.51
9	38.10	6	33.78	28	34.09	Sept. 1	40.61
10	37.83	8	33.25	May 10	35.06	29	42.04
13	36.92	10	33.25	18	35.77	Oct. 13	42.12
15	36.56	14	33.40	26	36.14	27	42.60
17	36.14	17	33.70	June 2	36.48	Nov. 13	43.36
21	35.05	28	34.30	9	36.94	Dec. 1	43.25
23	34.96	Apr. 3	34.33	23	37.38	15	42.46
27	34.16	14	34.28	July 7	37.63		

8730-3750-213 City of Henderson. At white pavilion in Atkinson Park west of Old Evansville Road. Drilled unused public-supply well, diameter 6 inches, depth 75 feet. Records available: 1950.

Jan. 25	27.66	Mar. 28	31.35	May 26	35.65	Sept. 1	38.79
Feb. 3	27.85	Apr. 3	30.20	June 2	35.86	29	35.20
17	25.30	14	28.92	9	35.09	Oct. 13	38.67
Mar. 2	28.60	21	32.55	23	36.22	27	38.66
6	28.94	28	34.80	July 7	36.91	Nov. 13	36.69
9	30.79	May 10	33.32	24	37.43	Dec. 1	34.82
14	32.78	18	34.29	Aug. 8	37.79	15	28.50
17	31.94						

8730-3750-214 City of Henderson. At Negro pavilion in Atkinson Park west of Old Evansville Road. Drilled unused public-supply well, diameter 6 inches, depth 80 feet. Records available: 1950.

Jan. 25	28.46	Mar. 28	35.01	May 26	34.99	Sept. 1	50.95
Feb. 3	30.27	Apr. 3	38.57	June 2	35.00	29	42.00
17	27.98	14	35.03	9	43.45	Oct. 13	50.40
Mar. 2	34.07	21	35.04	23	43.98	27	50.30
6	35.05	24	35.01	July 7	50.50	Nov. 13	43.85
9	35.00	28	35.00	24	49.87	Dec. 1	35.00
14	47.04	May 10	34.98	Aug. 8	50.50	15	27.20
17	44.52	18	34.99				

8730-3755-5 J. C. Ellis. In Dade Park east of U. S. Highway 41, 4.6 miles north of Henderson. Driven stock well, diameter $1\frac{1}{4}$ inches, depth 55 feet. Records available: 1950. Measurement discontinued.

Jan. 9	8.28	Jan. 21	1.33	Mar. 8	8.28	Apr. 24	10.98
10	6.35	23	1.67	10	8.83	28	11.94
11	5.20	25	2.33	13	9.15	May 10	11.47
12	3.99	28	3.23	17	9.98	18	11.96
13	3.15	31	3.34	21	10.52	26	13.72
15	2.26	Feb. 3	2.43	28	9.68	June 2	14.72
16	1.93	6	1.17	Apr. 3	9.10	9	14.74
17	1.62	28	4.73	14	8.12	23	15.82
18	1.46	Mar. 2	5.86	21	10.33	July 7	16.35
19	1.38	6	7.71				

8735-3745-1 W. C. Caton. South side of U. S. Highway 60, 2.2 miles southwest of Henderson. Drilled unused domestic well, diameter 4 inches, depth 54 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 5, 1949	19.80	Mar. 20, 1950	12.45	May 29, 1950	11.92	Oct. 27, 1950	15.92
Feb. 17, 1950	11.35	28	12.79	June 2	12.24	Nov. 7	15.70
23	11.00	Apr. 3	12.25	8	13.26	8	15.90
24	10.80	14	11.75	23	14.64	9	15.80
27	12.27	21	12.22	July 7	14.99	10	15.78
28	12.40	24	12.75	25	15.23	17	15.55
Mar. 2	12.34	28	12.90	Aug. 8	14.33	Dec. 1	14.56
6	12.46	May 10	12.22	Sept. 1	16.10	15	14.63
9	13.10	15	11.85	23	16.59	29	14.24
14	12.87	18	11.78	Oct. 13	15.50		

8735-3745-34 A. H. Gropp. East side of Old Madisonville Road 1.2 miles south of Henderson. Dug unused domestic and stock well, diameter 36 inches, depth 46.5 feet. Records available: 1949-50.

Dec. 8, 1949	8.64	Mar. 17, 1950	1.70	June 9, 1950	3.76	Sept. 29, 1950	6.15
Jan. 6, 1950	1.41	31	1.91	23	3.08	Oct. 13	6.85
18	1.75	Apr. 14	2.19	July 7	5.26	27	6.95
Feb. 3	1.68	28	3.20	25	6.97	Nov. 13	6.60
17	1.75	May 15	1.97	Aug. 8	6.60	Dec. 1	4.29
Mar. 6	2.11	29	3.52	Sept. 1	3.98	15	2.60

8735-3745-84 B. G. Bartley. In pasture 1,500 feet northwest of U. S. Highway 41, 5 miles southwest of Henderson. Drilled unused stratigraphic test well, diameter 4 inches, reported depth 280 feet, measured depth 171 feet. Records available: 1949-50.

Dec. 19, 1949	5.28	Mar. 6, 1950	2.64	Apr. 28, 1950	3.24	Sept. 1, 1950	5.29
Jan. 6, 1950	6.71	17	2.29	May 29	3.53	29	5.14
18	3.19	31	2.75	June 23	3.79	Oct. 27	5.13
Feb. 3	2.97	Apr. 14	2.91	July 25	5.26	Nov. 13	5.22
17	2.60						

8735-3745-91 Frank Street. At weather station on southeast side of U. S. Highway 41, 4.2 miles southwest of Henderson. Dug unused domestic well, diameter 42 inches, depth 26 feet. Recording gage installed Nov. 30, 1950. Records available: 1949-50.

Daily noon water level, from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 20, 1949	a15.09	July 7, 1950	a11.04	Dec. 6, 1950	13.59	Dec. 19, 1950	13.40
Jan. 6, 1950	a13.58	25	a12.49	7	13.48	20	13.44
18	a12.12	Aug. 8	a13.12	8	13.39	21	13.49
Feb. 3	a11.30	Sept. 1	a13.87	9	13.36	22	13.50
17	a8.64	Oct. 13	a14.31	10	13.32	23	13.50
Mar. 6	a7.52	27	a14.53	11	13.30	24	13.49
17	a6.95	Nov. 13	a14.56	12	13.28	25	13.51
31	a6.13	30	a13.91	13	13.29	26	13.48
Apr. 14	a5.60	Dec. 1	13.91	14	13.30	27	13.52
28	a6.95	2	13.87	15	a13.28	28	13.54
May 15	a7.37	3	13.76	16	13.30	29	13.53
29	a8.44	4	13.70	17	13.33	30	13.53
June 9	a9.04	5	13.66	18	13.37	31	13.55
23	a9.88						

a Tape measurement.

8735-3745-103 Rural Electrification Administration. At intersection of U. S. Highways 41 and 60, 1.2 miles southwest of Henderson. Drilled unused domestic well, diameter 6 inches, depth 185.5 feet. Top of casing set 5 feet below surface in concrete pit which partially fills with water in rainy weather. Records available: 1949-50.

Dec. 23, 1949	36.83	Mar. 20, 1950	28.89	May 15, 1950	28.49	Aug. 8, 1950	33.94
Jan. 6, 1950	29.52	28	19.41	18	28.22	Sept. 1	25.70
18	31.47	Apr. 3	11.80	29	27.85	29	34.02
Feb. 3	26.30	14	29.16	June 2	30.04	Oct. 13	34.97
17	25.39	21	29.16	8	27.37	27	33.22
Mar. 6	27.38	24	29.21	23	28.60	Nov. 13	35.14
9	27.34	28	29.99	July 7	30.79	Dec. 1	36.89
14	25.24	May 10	21.37	25	31.99	15	34.69

8735-3745-119 Charles Whittledge. In lot, 50 feet north of "Corydon and Dick Fellows" Road 0.1 mile west of its intersection with U. S. Highway 41 and about 6 miles southwest of Henderson. Drilled stratigraphic test well, diameter 4 inches, depth 300 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	13.05	June 23	13.77	July 25	16.90	Dec. 1	15.06
May 29	13.06	July 7	15.06	Nov. 13	17.53	15	13.23
June 9	13.00						

8735-3745-133 Ed Mattingly. In well house on Jane Posey Road 1.3 miles south of Wilson Station. Drilled unused stock well, diameter 6 inches, depth 64 feet. Recording gage installed Dec. 20, 1950. Records available: 1950.

Jan. 17	6.75	May 29	3.60	Oct. 27	6.82	Dec. 24	6.17
Feb. 3	5.62	June 9	3.70	Nov. 13	6.94	25	6.15
17	4.91	23	3.90	Dec. 1	6.75	26	6.13
Mar. 6	4.27	July 7	4.25	15	6.40	27	6.12
20	3.92	25	4.90	20	6.23	28	6.10
31	3.73	Aug. 8	5.38	21	6.22	29	6.09
Apr. 14	3.52	Sept. 1	6.14	22	6.21	30	6.07
28	3.48	29	6.45	23	6.19	31	6.05
May 15	3.51	Oct. 13	6.59				

8735-3745-145 Jennings Tillotson. Southeast side of Old Corydon Road 3 miles southwest of Henderson. Drilled unused domestic well, diameter 6 inches, depth 64 feet. About 100 yards from spring with continuous flow of about 3 gallons per minute. Records available: 1950.

Mar. 6	3.55	May 15	3.24	July 25	4.22	Oct. 27	4.78
20	3.48	29	3.50	Aug. 8	4.37	Nov. 13	4.64
31	3.44	June 9	3.56	Sept. 1	4.43	Dec. 1	4.34
Apr. 14	3.25	23	3.57	29	4.55	15	4.09
28	3.55	July 7	3.90	Oct. 13	4.77		

8735-3745-171 Henderson Country Club. On bank of Canoe Creek southeast of U. S. Highway 41 and 60, 0.9 mile southwest of Henderson. Drilled unused domestic well, diameter 8 inches, depth 120 feet. Measurement discontinued. Records available: 1950.

Feb. 28	19.07	Mar. 14	23.93	Apr. 21	25.22	May 10	30.27
Mar. 2	18.57	20	25.70	24	26.62	18	30.80
6	20.48	28	25.42	28	28.62	29	30.95
9	21.77	Apr. 14	24.16				

8735-3745-172 Kasey Bros. At Kasey Gardens Night Club on U. S. Highway 41, 1.4 miles southwest of Henderson. Drilled unused domestic well, diameter 6 inches, depth 95 feet. Records available: 1950.

Mar. 7	19.67	May 15	18.98	June 23	19.70	Sept. 29	21.87
9	19.62	18	19.04	July 7	20.00	Oct. 27	22.26
14	20.32	29	19.26	25	20.40	Nov. 13	22.52
Apr. 24	18.80	June 2	19.34	Aug. 8	20.75	Dec. 1	22.67
28	18.82	9	19.49	Sept. 1	21.35	15	22.13

8735-3750-4 City of Henderson. In Sunset Park at Water and 4th Streets near Louisville & Nashville Railroad bridge, 150 feet from Ohio River. Drilled unused mineral well, diameter 6 inches, depth 180 feet. Records available: 1950.

June 2	37.25	Aug. 8	41.31	Oct. 13	39.24	Dec. 1	31.99
9	34.44	Sept. 1	39.99	27	39.50	6	28.83
July 24	39.46	29	32.76	Nov. 13	34.71	15	18.80

8740-3740-38 Mrs. Ida McClure. In city of Corydon, on south side of Smith Mills Corydon Road. Drilled unused domestic well, diameter 6 inches, depth 182 feet. Records available: 1950. Nov. 30, 18.00; Dec. 15, 17.23; Dec. 22, 17.50.

8740-3745-45 Ben Hooper. On Corydon-Geneva Road 0.6 mile south of Geneva. Drilled unused domestic well, diameter 6 inches, depth 76 feet. Records available: 1950. Aug. 16, 19.88; Oct. 23, 24.30; Oct. 27, 24.48; Nov. 13, 25.04; Dec. 1, 23.66; Dec. 15, 22.95.

8740-3745-143 W. W. Wilson. On "Corydon and Dick Fellows" Road 0.8 mile northeast of Corydon city limits. Drilled unused industrial well, diameter 8 inches, depth 118 feet. Records available: 1950. Oct. 16, 6.78; Oct. 27, 6.50; Nov. 13, 5.46; Dec. 1, 4.42; Dec. 15, 3.90.

8740-3745-186 R. B. Alves. North side of Smith Mills-Corydon Road 1 mile northwest of Corydon. Drilled unused domestic well, diameter 6 inches, depth 200 feet. Records available: 1950. Oct. 23, 23.10; Oct. 27, 23.10; Nov. 13, 23.49; Dec. 1, 22.64; Dec. 15, 22.04.

Hickman County

8855-3640-1 Kentucky Water Service Co. In Clinton, 4 blocks north of Court House and 2 blocks west of U. S. Highway 51. Drilled unused public supply well, diameter 8 inches, depth 296 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1	29.56	June 3	29.26	Sept. 5	21.36	Nov. 4	27.76
31	30.25	July 6	26.76	Oct. 2	30.76	Dec. 2	30.76
May 4	29.82	Aug. 4	18.96				

Jefferson County

38-19-1 Harrods Creek. 0.2 mile southwest of Harrods Creek Baptist Church. Records available: 1943-50.

Jan. 9	6.27	Jan. 18	2.08	Feb. 2	9.34	July 13	18.58
11	3.44	21	7.85	Apr. 12	16.20	Aug. 9	18.59
14	1.77	28	14.70	May 23	18.15		

38-19-2 Louisville Water Co. well WC-27. River Road, northeast of bridge over Goose Creek. Records available: 1946-50.

Jan. 6	14.94	Jan. 18	1.94	Feb. 13	10.38	Aug. 9	18.81
8	5.98	21	9.06	Apr. 12	16.90	Sept. 28	18.21
9	4.38	28	15.94	May 22	18.33	Nov. 18	18.22
11	2.10	Feb. 2	7.65	July 13	18.69	Dec. 22	18.26
14	1.84						

38-20-2 W. W. Liter. 1.5 miles north of Harrods Creek. Records available: 1944-50.

Jan. 11	3.59	Jan. 28	15.05	May 23	18.07	Sept. 28	17.95
14	2.67	Feb. 2	7.75	July 13	18.28	Nov. 18	18.26
21	6.92	Apr. 12	15.79	Aug. 9	18.37		

39-18-1 Louisville Water Co. well WC-26. River Road opposite River Valley Club. Records available: 1946-50.

Jan. 6	34.74	Jan. 18	19.93	Feb. 13	26.64	Aug. 9	36.28
8	28.56	21	25.12	Apr. 12	34.44	Sept. 28	35.82
9	26.18	28	33.81	May 23	36.04	Nov. 18	35.85
11	22.91	Feb. 2	28.97	July 13	36.14	Dec. 22	35.67
14	20.79						

40-17-1 Union Park Club 89. On River Road northeast of Indian Hills Trail. Records available: 1944-50.

Jan. 6	22.35	Jan. 18	7.78	Feb. 13	13.02	Aug. 9	23.55
9	16.85	21	11.98	Apr. 12	21.74	Sept. 28	23.17
11	13.84	28	20.53	May 23	23.40	Nov. 18	23.14
14	10.08	Feb. 2	17.40	July 13	23.30	Dec. 22	21.98

40-17-2 Louisville Trust Co. Blankenbaker Lane, south of River Road. Records available: 1944-50.

Jan. 6	13.98	Jan. 18	0.87	Feb. 13	8.19	Aug. 9	16.80
9	6.47	21	6.95	Apr. 12	15.40	Sept. 28	16.35
11	3.71	28	14.65	May 23	16.45	Nov. 18	16.29
14	1.73	Feb. 2	7.98	July 13	16.70	Dec. 22	16.57

40-17-3 Louisville Water Co. well WC-11. River Road and Indian Hills Trail. Records available: 1946-50.

40-17-3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	11.33	Jan. 21	4.13	Apr. 12	12.52	Sept. 28	13.49
9	4.36	28	11.72	May 23	13.61	Nov. 18	13.42
11	1.59	Feb. 2	5.33	July 13	13.65	Dec. 22	13.38
14	+.88	13	5.37	Aug. 9	13.85		

40-17-4 Louisville Water Co. well WC-12. Indian Hills Trail, 1,500 feet southeast of River Road. Records available: 1946-50.

Jan. 6	13.77	Jan. 18	+0.11	Feb. 13	5.23	Aug. 9	15.11
9	8.47	21	4.21	Apr. 12	13.19	Sept. 28	14.73
11	5.98	28	11.97	May 23	14.70	Nov. 18	14.71
14	2.04	Feb. 2	8.84	July 13	14.90	Dec. 22	13.43

40-17-5 Louisville Water Co. well WC-13. River Road, 300 feet northeast of Blankenbaker Lane. Records available: 1946-50.

Jan. 6	16.35	Jan. 18	3.28	Feb. 13	11.03	Aug. 9	19.30
9	8.69	21	9.73	Apr. 12	17.97	Sept. 28	18.84
11	5.89	28	17.28	May 23	19.02	Nov. 18	18.79
14	4.05	Feb. 2	10.23	July 13	19.20	Dec. 22	19.26

41-16-1 Attila Cox. 0.2 mile southeast of River Road at Wagner Beach road sign. Records available: 1944-50.

Jan. 9	10.36	Feb. 2	9.12	May 23	14.15	Sept. 28	14.43
21	3.24	13	4.03	July 13	14.40	Nov. 18	14.44
28	10.15	Apr. 12	12.40	Aug. 9	14.57	Dec. 22	10.46

41-16-2 Louisville Water Co. well WC-3. Zorn Avenue, 1,000 feet southeast of River Road. Records available: 1946-50.

Water level above and below land-surface datum

Jan. 21	+2.37	Feb. 13	+1.66	May 23	8.26	Sept. 28	8.73
23	+1.02	16	+1.00	July 12	8.31	Nov. 9	7.99
28	4.23	Apr. 12	7.41	Aug. 9	8.74	Dec. 22	5.70
Feb. 2	2.86						

41-16-3 Louisville Water Co. well WC-4. River Road and Zorn Avenue. Records available: 1946-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.38	11.21	13.58	14.81	15.76	15.75	.....	15.88	.....	16.18	.....	.....
2	16.20	9.88	13.82	14.81	15.65	15.72	.....	15.86	.....	16.24	.....	.....
3	15.98	7.85	14.00	14.47	15.68	15.68	15.45	15.89	.....	16.21	.....	.....
4	16.06	.....	14.12	13.68	15.65	15.62	15.54	15.91	16.05	16.34	.....	a15.74
5	15.84	.....	14.24	12.90	15.69	15.65	15.58	15.92	16.05	16.37	.....	.....
6	15.29	.....	14.40	12.57	15.75	15.66	15.58	15.92	16.07	16.33	a16.31	a14.60
7	13.95	.....	14.49	12.81	15.69	15.65	15.62	15.97	15.91	16.31	.....	13.53
8	12.28	.....	14.61	13.31	15.69	15.57	15.79	16.01	15.91	16.27	.....	.....
9	10.61	.....	14.72	13.58	15.65	15.50	15.75	16.03	16.01	16.21	a16.27	.....
10	8.93	a+.09	14.73	13.73	15.43	15.47	15.73	16.06	15.97	16.20	.....	.....
11	7.16	.....	14.89	13.99	15.36	15.49	15.70	16.06	15.98	16.19	.....	7.17
12	5.51	.....	14.92	14.10	15.34	15.53	15.65	16.11	15.98	16.16	.....	6.12
13	4.30	5.87	14.99	14.23	15.30	15.54	15.76	16.11	15.93	16.21	a16.17	5.52
14	.....	6.31	15.03	14.44	15.23	15.58	15.75	16.12	15.97	16.20	16.16	5.49
15	.....	6.14	15.05	14.56	15.24	15.57	15.82	16.20	15.93	16.24	16.15	6.10
16	2.36	6.49	14.99	14.64	15.26	15.57	15.83	16.22	15.95	16.28	16.10	7.63
17	1.33	7.64	14.86	14.77	15.50	15.50	15.73	16.22	15.97	16.29	16.13	9.57
18	1.21	8.79	14.97	14.85	15.53	15.71	15.72	16.22	15.97	16.28	16.11	a11.02
19	2.04	9.86	14.95	14.98	15.52	15.63	15.68	16.22	15.94	16.39	16.05	.....
20	3.50	10.53	14.88	15.07	15.57	15.45	15.66	16.18	15.93	16.32	15.91	.....
21	5.08	11.00	14.95	15.22	15.52	15.29	15.65	16.06	16.01	16.28	.....	.....
22	6.73	11.37	14.94	15.26	15.58	15.20	15.81	16.13	16.12	16.29	.....	a13.34
23	8.41	11.83	15.04	15.37	15.57	15.16	15.85	16.24	16.16	16.32	.....	13.54
24	9.82	12.26	15.09	15.41	15.65	15.08	15.98	16.28	16.18	16.31	.....	13.80
25	10.68	12.57	15.15	15.53	15.72	15.04	15.89	16.31	16.11	16.36	.....	14.01

41-16-3--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	11.40	12.92	15.13	15.56	15.73	15.08	15.85	16.31	16.08	16.32	.....	14.23
27	11.56	13.12	15.05	15.64	15.78	.....	15.87	16.31	16.01	16.29	a16.22	a14.53
28	11.80	13.31	15.05	15.69	15.82	.....	15.81	16.31	16.02	16.39	.....	.....
29	12.10		15.05	15.69	15.79	.....	15.89	.....	16.07	16.39	.....	.....
30	12.34		15.05	15.73	15.78	.....	15.90	.....	16.15	16.40	.....	.....
31	12.08		14.88		15.82		15.89	.....	.....	.....	.....	.....

a Tape measurement.

41-16-4 Louisville Water Co. well WC-9. River Road at entrance to Wagner Beach.

Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	17.22	Jan. 18	3.16	Feb. 13	8.04	Aug. 9	18.14
9	13.00	21	7.17	Apr. 12	16.08	Sept. 28	17.95
11	10.38	28	14.04	May 23	17.75	Nov. 18	17.97
14	5.97	Feb. 2	12.14	July 13	17.90	Dec. 22	15.33

41-17-1 Sam J. Hamrick. 500 feet south of River Road, 1 mile northeast of Zorn Ave.

Records available: 1943-50.

Jan. 6	22.97	Jan. 18	8.54	Feb. 13	13.48	Aug. 9	23.98
9	17.96	21	12.47	Apr. 12	22.07	Sept. 28	23.60
11	15.23	28	20.57	May 23	23.66	Nov. 18	23.61
14	11.31	Feb. 2	18.22	July 13	23.77	Dec. 22	21.96

41-17-2 Louisville Water Co. well WC-8. Wagner Beach. Records available: 1946-50.

Jan. 6	5.59	Feb. 13	+0.88	July 13	7.51	Nov. 18	7.44
21	+1.78	Apr. 12	6.31	Aug. 9	7.72	Dec. 22	5.92
28	5.14	May 23	7.49	Sept. 28	7.38		

41-17-3 Louisville Water Co. well WC-10. 25 feet from river edge, 1,750 feet upstream from Wagner Beach. Records available: 1946-50.

Jan. 6	13.21	Feb. 13	8.48	July 12	15.62	Nov. 18	15.67
21	7.15	Apr. 12	14.96	Aug. 9	16.13	Dec. 22	15.89
28	14.25	May 23	15.85	Sept. 28	15.73		

42-16-3 Louisville Gas & Electric Co. At Beargrass Plant. Records available: 1944-50.

Jan. 7	2.66	Apr. 11	6.13	July 12	6.83	Sept. 28	7.60
21	+1.30	May 23	6.96	Aug. 9	7.37	Nov. 9	7.79
28	5.10						

42-16-4 Louisville Gas & Electric Co. 93 feet from river edge, 0.5 mile northeast of Beargrass Plant. Records available: 1944-50.

Jan. 6	6.62	Jan. 28	5.23	May 23	7.73	Sept. 28	8.28
21	+1.38	Feb. 16	+50	July 12	7.84	Nov. 9	8.32
23	6.65	Apr. 11	6.53	Aug. 9	8.31		

42-16-5 Henry Chambers. 600 feet south of River Road opposite Louisville Gas & Electric Co. power plant. Records available: 1944-49. No measurement made in 1950.

42-16-15 Louisville Water Co. well WC-5. 160 feet from river edge, 300 feet downstream from Louisville Water Co. pumping station. Records available: 1946-50.

Water level above and below land-surface datum

Jan. 6	13.44	Jan. 21	6.23	Feb. 13	7.64	July 12	15.13
9	4.70	23	11.35	16	6.82	Aug. 9	15.57
11	1.85	28	13.47	24	13.77	Sept. 28	15.36
14	.57	Feb. 2	6.85	Apr. 12	14.32	Nov. 9	15.14
18	.04	10	+38	May 23	15.24	Dec. 22	14.87

42-16-16 Louisville Water Co. well WC-6. 1,400 feet northeast of Louisville Gas & Electric Co. Beargrass plant, 600 feet northwest of River Road. Records available: 1946-50.

42-16-16--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	9.68	Feb. 2	0.85	May 23	10.07	Sept. 28	10.59
21	1.14	13	1.47	July 12	9.82	Nov. 9	10.85
23	4.03	16	1.47	Aug. 9	10.33	Dec. 22	8.39
28	6.88	Apr. 11	8.85				

42-16-17 Louisville Water Co. well WC-7. 1,500 feet northeast of Louisville Gas & Electric Co. Beargrass plant, 1,600 feet northwest of River Road, 20 feet from river edge. Records available: 1946-48. No measurement made in 1950.

42-16-18 Louisville Water Co. well WC-14. 800 feet southeast of River Road, northeast of Frys Avenue. Records available: 1946-50.

Jan. 6	15.48	Feb. 2	9.75	May 23	15.41	Sept. 28	16.15
9	10.17	13	5.85	July 12	15.29	Nov. 9	16.42
21	5.32	16	6.35	Aug. 9	15.81	Dec. 22	13.29
28	11.67	Apr. 11	14.06				

43-11-1 L. Cave. 1324 Morgan Street. Records available: 1943-50. Jan. 17, 5.06; Feb. 21, 9.54; Apr. 18, 12.14; May 23, 11.22; June 23, 8.38; Oct. 12, 13.54.

43-15-1 City of Louisville well M-1. At Beargrass sewerage pumping station on Letterle Ave. Records available: 1937-50.

Jan. 3	32.62	Feb. 10	16.34	June 12	31.40	Sept. 25	34.16
7	30.31	13	21.01	19	30.73	28	34.36
9	26.55	16	21.37	26	30.94	Oct. 2	34.30
11	23.31	20	24.52	July 3	31.47	9	34.29
14	19.61	24	25.78	12	31.83	16	34.51
16	18.70	27	26.69	17	31.81	23	34.44
18	18.03	Mar. 6	28.25	24	32.05	30	34.56
21	21.15	Apr. 10	29.25	31	32.35	Nov. 6	34.44
23	23.93	24	31.20	Aug. 7	32.96	13	34.31
28	26.09	May 1	31.27	14	33.40	20	33.75
30	26.70	8	31.27	21	33.73	27	34.33
Feb. 2	24.91	15	30.58	28	34.12	Dec. 4	33.74
4	19.60	22	31.12	Sept. 4	33.53	11	25.40
6	14.83	29	31.44	11	34.00	18	27.65
8	14.47	June 5	31.07	18	34.00	26	30.58

43-15-3 E. H. Koch. At 1415 Quincy Ave. Records available: 1946-50.

Jan. 7	33.94	Jan. 30	27.85	Feb. 24	25.54	May 17	31.97
9	33.12	Feb. 2	27.78	27	26.18	29	32.26
11	32.04	4	26.83	Mar. 6	27.27	June 13	32.97
14	29.95	6	25.19	13	28.07	July 13	33.57
18	27.27	8	23.97	20	28.80	Aug. 9	34.43
21	26.32	10	24.12	Apr. 11	30.18	Sept. 28	35.22
23	26.52	13	23.00	24	30.75	Nov. 8	34.62
28	27.52	16	23.43	May 8	31.58	Dec. 22	30.54

43-15-26 C. F. Vissman & Co. At 117 Bickel Ave. Records available: 1946-50.

Jan. 7	50.37	Feb. 2	p45.98	Feb. 27	42.24	May 29	p49.12
9	p51.12	4	44.34	Mar. 6	42.21	June 13	49.40
11	49.40	6	42.68	13	p43.81	July 13	p52.50
14	47.78	8	41.26	20	p44.60	Aug. 9	p53.25
21	43.79	10	p41.58	Apr. 11	45.35	Sept. 28	52.62
23	p44.69	13	39.72	24	p47.14	Nov. 8	52.31
28	44.03	16	39.55	May 8	p48.22	Dec. 22	p49.05
30	44.55	24	41.28	17	47.68		

p Pumping.

43-16-1 City of Louisville. 150 feet east of Municipal Boat Harbor. Records available: 1944-50. Flooded Jan. 7, 9, 11, 14, 18, 21, Feb. 2, 4, 6, 16.

Jan. 23	3.33	Apr. 11	6.16	July 12	8.41	Sept. 28	9.22
28	5.62	May 17	8.36	Aug. 10	8.85	Nov. 14	9.36
Feb. 24	5.33						

43-16-7 Louisville Water Co. well WC-2. 50 feet from river edge, 1,200 feet upstream from mouth of Beargrass Creek. Records available: 1946-50. Flooded Jan. 9, 11, 14, 18.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	7.18	Apr. 11	1.84	July 12	4.74	Sept. 28	5.93
21	+3.98	May 17	3.49	Aug. 9	5.19	Nov. 14	6.46
28	+2.78	23	3.69				

43-16-8 Louisville Water Co. well WC-1. 115 feet northwest of River Road, 1,100 feet northeast of Beargrass Creek bridge. Records available: 1946-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.14	17.06	18.56	20.97	21.87	21.50	20.98	21.86	22.56	22.87	23.17	23.20
2	22.99	15.91	18.96	21.05	21.71	21.45	21.00	21.87	22.62	22.82	23.17	23.15
3	22.79	13.08	19.31	20.73	21.68	21.39	21.08	21.93	22.48	22.92	23.19	22.99
4	22.84	8.75	19.35	20.19	21.71	21.28	21.15	21.96	22.37	22.99	23.09	22.75
5	22.68	....	19.47	19.35	21.84	21.24	21.17	21.98	22.37	23.04	23.06	22.53
6	22.33	....	19.69	18.83	21.83	21.27	21.24	22.00	22.47	23.06	23.00	22.10
7	21.29	....	19.88	18.96	21.69	21.28	21.30	22.02	22.40	23.04	23.01	21.24
8	18.90	1.93	19.99	19.39	21.68	21.27	21.39	....	22.40	22.97	23.03	19.54
9	16.51	....	20.07	19.54	21.81	21.27	21.40	....	22.47	22.86	23.09	17.18
10	14.27	a3.65	20.12	19.67	21.48	21.22	21.39	....	22.42	22.90	23.12	14.46
11	11.79	....	20.23	19.96	21.18	21.21	21.43	....	22.44	22.97	23.11	12.45
12	9.57	....	20.23	20.08	21.13	21.23	21.45	....	22.52	22.96	22.98	11.08
13	8.29	10.88	20.30	20.23	21.09	....	21.51	....	22.52	23.06	22.93	10.55
14	7.40	11.31	20.34	20.64	20.97	....	21.52	a22.20	22.56	22.99	22.93	10.98
15	6.80	11.36	20.43	20.80	21.09	....	21.58	22.26	22.57	22.99	22.96	11.94
16	6.29	11.70	20.55	20.82	21.24	....	21.60	22.30	22.56	22.98	22.91	13.64
17	5.48	12.70	20.50	20.95	21.43	....	21.49	22.33	22.55	23.04	22.99	15.13
18	5.82	13.68	20.62	21.03	21.48	....	21.56	22.39	22.52	23.06	22.94	16.33
19	6.86	14.65	20.62	21.14	21.52	a21.15	21.56	22.40	22.55	23.12	22.85	17.31
20	8.67	15.42	20.63	21.23	21.52	20.98	21.52	22.38	22.60	23.09	22.68	18.15
21	10.37	16.01	20.74	21.32	21.36	20.76	21.56	22.29	22.67	23.07	22.65	18.76
22	11.91	16.41	20.80	21.41	21.44	20.68	21.62	22.38	22.71	23.02	22.63	19.01
23	13.39	16.86	20.87	21.54	21.53	20.64	21.65	22.44	22.71	22.97	22.62	19.31
24	14.61	17.28	21.03	21.62	21.66	20.59	21.70	22.49	22.74	22.98	22.84	19.31
25	15.54	17.58	21.05	21.70	21.80	20.58	21.70	22.56	22.63	23.07	23.16	19.58
26	....	17.78	21.11	21.70	21.84	20.68	21.70	22.60	22.81	23.07	23.44	i19.75
27	....	18.05	21.17	21.78	21.88	20.82	21.73	22.60	22.80	23.09	23.53	20.36
28	....	18.25	21.08	21.78	21.68	20.95	21.72	22.60	22.82	23.15	23.33	20.87
29	....	....	21.09	21.77	21.56	21.00	21.79	22.64	22.84	23.11	23.24	21.08
30	a17.56	....	21.07	21.91	21.53	21.04	21.80	22.54	22.89	23.08	23.24	21.22
31	17.54	....	21.00	....	21.50	....	21.81	22.45	....	23.17	....	21.42

a Tape measurement.

i Interpolated.

44-14-1 Southeastern Greyhound Lines. Between Floyd and Caldwell Sts. in bus parking lot at rear of garage. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	70.09	May 17	67.50	Aug. 8	67.58	Nov. 8	68.45
Feb. 8	69.89	July 11	67.12	Sept. 28	67.97	Dec. 15	68.67
Apr. 12	68.69						

44-15-6 Ohio River Sand Co. At 129 River Road. Records available: 1945-50.

Jan.	7	37.29	Feb. 2	34.32	Feb. 27	34.75	May 29	36.13
	9	35.90	4	32.41	Mar. 6	35.02	June 13	36.95
	11	34.81	6	30.87	13	35.32	July 10	36.40
	14	33.56	8	30.55	20	35.44	Aug. 8	37.34
	18	32.78	10	30.93	Apr. 11	35.56	Sept. 28	38.85
	21	33.84	13	32.71	24	35.65	Nov. 8	38.57
	23	35.14	16	32.61	May 8	35.79	Dec. 2	38.98
	28	35.81	23	34.48	17	35.93	22	37.33
	30	35.80						

44-15-25 New York Central System. Directly under New York Central bridge over Ohio River. Records available: 1944-50. Flooded Jan. 9, 11, 14, 18, Feb. 2, 4, 10.

Jan.	7	12.65	Feb. 27	11.84	Apr. 24	13.79	July 10	14.01
	21	7.45	Mar. 6	12.35	May 8	14.27	Aug. 8	15.29
	23	10.83	13	12.72	17	15.42	Sept. 28	15.78
	28	12.39	20	13.09	29	14.56	Nov. 8	15.75
Feb. 13	6.86	Apr. 11	13.22	June 13	14.74	Dec. 22	13.99	
23	11.13							

45-14-1 City of Louisville well A-2. In Lincoln Park, on South 4th St. at Guthrie St.
Records available: 1937-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	76.37	75.06	73.71	72.91	73.15	77.71	81.28	84.06	85.08	83.42	81.75	77.79
2	76.30	75.02	73.70	72.89	73.06	77.85	81.30	84.15	85.09	83.47	81.92	77.69
3	76.23	74.99	73.66	72.84	73.09	77.98	81.35	84.18	85.02	83.74	81.65	77.68
4	76.28	74.94	73.60	72.94	73.34	77.88	81.45	84.11	84.79	83.46	81.33	77.59
5	76.26	74.82	73.59	72.96	73.83	77.83	81.55	84.06	84.73	83.12	81.04	77.52
6	76.17	74.55	73.58	.....	74.21	78.02	81.75	83.96	84.48	82.87	80.80	77.41
7	76.15	74.32	73.58	.....	74.25	78.11	81.85	83.91	84.31	82.86	80.62	77.38
8	.....	74.17	73.61	.....	74.10	78.34	81.96	83.99	84.14	82.64	80.50	77.31
9	a76.02	74.11	73.61	.....	74.07	78.56	81.97	84.14	84.04	82.35	80.39	77.21
10	75.92	74.11	73.54	a72.77	74.33	78.78	82.05	84.25	84.03	82.20	80.21	77.09
11	75.84	74.16	73.44	72.87	74.33	78.87	82.28	84.35	84.10	82.10	80.02	76.88
12	75.63	74.16	73.41	72.81	74.28	78.89	82.43	84.45	84.28	82.13	79.83	76.73
13	75.50	74.14	73.38	72.76	74.20	79.03	82.58	84.30	84.36	82.01	79.68	76.62
14	75.54	74.20	73.35	72.70	74.20	79.19	82.68	84.24	84.38	81.86	79.55	76.51
15	.....	.....	73.32	72.05	74.32	79.36	82.80	84.41	84.37	81.76	79.43	76.51
16	75.39	.....	73.29	72.62	74.69	79.60	82.69	84.51	84.33	81.73	79.34	76.45
17	75.22	.....	73.23	72.59	75.01	79.85	82.75	84.61	84.21	81.79	79.29	76.42
18	75.19	.....	73.24	72.60	75.25	79.85	85.95	84.71	84.10	81.91	79.14	76.37
19	75.18	.....	73.19	72.76	75.48	79.92	83.08	84.78	84.12	82.03	79.02	76.31
20	.....	a74.06	73.11	72.75	75.58	80.09	83.27	83.58	84.41	82.06	78.93	76.26
21	.....	73.99	73.08	72.70	75.65	80.26	83.43	84.46	84.43	81.98	78.82	76.19
22	.....	73.93	73.04	72.68	75.71	80.40	83.53	84.49	84.62	81.92	78.68	76.10
23	75.05	73.97	73.02	72.72	75.89	80.58	83.41	84.51	84.61	81.76	78.57	76.04
24	75.15	73.93	73.00	72.81	76.13	80.75	83.39	84.54	84.18	81.68	78.46	75.99
25	75.23	73.89	73.07	73.00	76.43	80.78	83.58	84.67	83.81	81.65	78.34	75.95
26	75.27	73.87	72.99	73.07	76.79	80.86	83.67	84.81	83.45	81.51	78.19	75.87
27	75.26	73.82	73.03	73.11	77.05	81.07	83.72	84.74	83.30	81.36	78.11	.....
28	75.20	73.72	73.10	73.11	77.17	81.08	83.79	84.75	83.29	81.31	78.03	.....
29	75.18	.....	73.18	73.09	77.28	81.13	83.88	84.88	83.20	81.29	77.93	.....
30	75.18	.....	73.10	73.19	77.42	81.16	83.80	84.95	83.36	81.19	77.84	.....
31	75.13	.....	72.99	.....	77.52	.....	83.83	85.05	.....	81.43	.....	.....

a Tape measurement.

45-14-2 City of Louisville well A-1. On Public Library property at northeast corner of intersection of South 4th and York Sts. Records available: 1937-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70.02	69.08	68.16	67.25	66.92	68.85	71.02	72.87	74.04	74.07	73.09	70.95
2	69.97	69.08	68.14	67.25	66.92	68.93	71.09	72.91	74.06	74.05	73.09	70.88
3	69.94	69.05	68.11	67.19	66.91	68.99	71.17	72.98	74.10	74.03	73.08	70.84
4	69.93	69.01	68.09	67.15	66.91	69.09	71.21	73.02	74.14	74.03	73.06	70.78
5	69.93	68.99	68.05	67.14	66.93	69.13	71.26	73.04	74.18	74.03	73.00	70.70
6	69.89	68.90	67.98	67.14	66.98	69.17	71.31	73.09	74.19	74.02	72.93	70.65
7	69.85	68.89	67.95	67.12	67.11	69.23	71.38	73.18	74.19	73.97	72.82	70.64
8	69.82	68.86	67.91	67.09	67.21	69.26	71.46	73.22	74.19	73.93	72.75	70.58
9	69.78	68.82	67.91	67.09	67.23	69.34	71.52	73.24	74.19	73.90	72.69	70.52
10	69.75	68.80	67.90	67.06	67.27	69.38	71.61	73.29	74.19	73.81	72.62	70.46
11	69.75	68.76	67.84	67.00	67.28	69.44	71.71	73.36	74.14	73.73	72.54	70.39
12	69.72	68.73	67.82	67.00	67.32	69.56	71.78	73.39	74.14	73.70	72.45	70.34
13	69.65	68.65	67.75	66.99	67.35	69.61	71.83	73.45	74.14	73.62	72.35	70.28
14	69.64	68.61	67.74	66.99	67.38	69.70	71.91	73.52	74.13	73.56	72.23	70.24
15	69.62	68.61	67.71	66.98	67.42	69.78	71.98	73.57	74.13	73.50	72.19	70.21
16	69.59	68.59	67.67	66.94	67.43	69.84	72.05	73.60	74.12	73.42	72.08	70.18
17	69.53	68.58	67.65	66.89	67.56	69.90	72.11	73.65	74.12	73.38	72.02	70.12
18	69.51	68.57	67.64	66.87	67.61	69.97	72.12	73.70	74.11	73.36	71.93	70.06
19	69.50	68.54	67.62	66.86	67.68	70.09	72.15	73.76	74.12	73.33	71.85	69.97
20	69.48	68.45	67.55	66.86	67.75	70.13	72.22	73.81	74.14	73.33	71.77	69.94
21	69.45	68.40	67.48	66.86	67.86	70.23	72.30	73.82	74.15	73.33	71.65	69.89
22	69.41	68.37	67.46	66.83	67.97	70.28	72.36	73.83	74.18	73.31	71.59	69.85
23	69.31	68.36	67.46	66.82	68.05	70.35	72.41	73.85	74.20	73.30	71.53	69.80
24	69.28	68.32	67.45	66.78	68.13	70.46	72.49	73.85	74.21	73.28	71.46	69.75
25	69.27	68.31	67.44	66.77	68.18	70.52	72.51	73.85	74.21	73.28	.....	69.70

45-14-2-Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	69.26	68.30	67.38	66.84	68.25	70.64	72.57	73.86	74.22	73.28	.....	69.63
27	69.25	68.22	67.31	66.85	68.36	70.71	72.61	73.88	74.16	73.28	a 71.20	69.61
28	69.24	68.18	67.30	66.88	68.48	70.79	72.66	73.90	74.14	73.27	71.13	69.55
29	69.20		67.30	66.89	68.58	70.86	72.71	73.93	74.09	73.19	71.08	69.50
30	69.16		67.30	66.90	68.66	70.94	72.75	73.97	74.08	73.14	71.00	69.47
31	69.12		67.30		68.74		72.85	73.99		73.10		69.43

a Tape measurement.

i Interpolated.

45-14-3 Thompson's Restaurant. 668 South 4th St. Records available: 1943-49. No measurement made in 1950.

45-14-58 Kentucky Dairies. At 981 South Third St. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	68.01	May 17	66.55	Aug. 9	67.73	Nov. 8	69.29
Feb. 8	67.50	July 11	66.77	Sept. 28	69.00	Dec. 15	68.25
Apr. 12	66.79						

45-14-65 Courier-Journal and Louisville Times Publishing Co. well 4. Sixth and Broadway Sts. Records available: 1949-50.

July 14	80.17	Aug. 17	p83.78	Sept. 28	81.21	Nov. 6	77.90
Aug. 1	p83.06	28	p83.33	Oct. 9	80.12	Dec. 2	75.26
2	p83.25	Sept. 8	81.75	23	79.86	20	74.15
10	p83.42						

p Pumping.

45-15-2 City of Louisville well B-2. In sidewalk at southwest corner of South 9th and Congress Sts. Records available: 1937-50.

Jan. 4	68.59	Jan. 31	67.85	Feb. 23	67.07	May 17	65.29
9	68.47	Feb. 2	67.75	Mar. 1	66.90	June 13	65.65
11	68.39	4	67.70	6	66.71	July 10	66.43
14	68.29	6	67.63	13	66.54	Aug. 8	67.45
18	68.19	8	67.55	20	66.34	Sept. 27	68.73
21	68.08	10	67.50	Apr. 11	65.84	Nov. 8	68.84
23	68.05	13	67.38	25	65.49	Dec. 15	68.14
28	67.87	16	67.31	May 8	65.31		

45-15-3 City of Louisville well B-3. In sidewalk at southwest corner of South 8th and Cedar Sts. Records available: 1937-50.

Jan. 4	75.69	Jan. 31	74.80	Feb. 23	73.97	May 17	72.41
9	75.54	Feb. 2	74.71	Mar. 1	73.80	June 13	73.27
11	75.44	4	74.68	6	73.60	July 10	74.57
14	75.30	6	74.59	13	73.38	Aug. 8	75.44
18	75.22	8	74.50	20	73.16	Sept. 27	77.05
21	75.11	10	74.45	Apr. 11	72.67	Nov. 8	76.72
23	75.02	13	74.33	25	72.36	Dec. 15	75.22
28	74.96	16	74.22	May 8	72.36		

45-15-4 City of Louisville well A-3. In southeast corner of Jefferson County Courthouse yard. Records available: 1937-50.

Jan. 7	76.03	Feb. 13	74.50	May 29	72.15	Sept. 18	76.45
9	76.00	16	74.29	June 5	72.28	25	76.68
11	75.92	23	74.08	13	72.49	28	76.75
14	75.69	Mar. 6	73.80	20	72.62	Oct. 9	77.01
18	75.50	13	73.60	26	72.85	16	77.11
21	75.40	20	73.40	July 3	73.17	23	77.20
23	75.36	Apr. 11	72.85	10	73.47	30	77.27
28	75.23	25	72.59	24	74.17	Nov. 6	77.31
31	75.08	May 1	72.50	Aug. 8	74.85	8	77.32
Feb. 2	74.95	8	72.40	14	75.17	13	77.25
4	74.90	15	72.03	21	75.50	Dec. 2	77.01
6	74.84	17	72.04	Sept. 5	75.99	11	76.65
8	74.80	22	72.07	11	76.22	26	76.30
10	74.58						

45-15-36 Kentucky Hotel. Southeast corner of Fifth and Walnut Sts. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	74.70	Feb. 13	72.94	June 5	76.16	Sept. 18	81.79
11	74.66	16	72.89	13	77.16	25	81.42
14	74.40	23	72.62	20	78.16	28	80.96
18	74.00	Mar. 6	72.38	26	79.09	Oct. 9	80.24
21	73.83	13	72.07	July 3	79.96	16	79.69
23	73.79	20	71.86	11	80.66	23	79.76
28	73.84	Apr. 11	71.62	24	81.80	30	79.28
31	73.78	25	71.84	Aug. 8	81.92	Nov. 6	78.75
Feb. 2	73.68	May 1	71.95	14	82.45	13	77.77
4	73.62	8	72.86	21	82.51	Dec. 2	75.92
6	73.45	15	73.05	Sept. 5	82.40	11	75.20
8	73.20	22	74.34	11	81.79	26	74.15
10	73.05	29	75.78				

46-11-2 Rubber Reserve Co. well RR-25. Northeast corner of intersection of Taylor Boulevard and Hathaway St. Records available: 1945-50.

Jan. 17	48.63	May 10	47.35	Sept. 26	45.70	Nov. 20	46.02
Feb. 17	48.49	June 22	46.62	Nov. 1	45.84	Dec. 13	46.16
Apr. 5	47.83	Aug. 3	45.93				

46-13-1 Merchant's Ice & Cold Storage Co. At corner of South 7th and Magnolia Sts. Records available: 1943-49. No measurement made in 1950.

46-13-3 Brown & Williamson Tobacco Corp. well 7. At 1600 West Hill St., in center of front lawn at southwest corner of 16th and Hill Sts. Drilled unused industrial well, diameter 12 inches, depth 103 feet. Records available: 1942-43, 1950. Nov. 28, 1942, 72.00; Apr. 8, 1943, 77.00; May 3, 1950, 89.87; May 10, 1950, 89.81; July 6, 1950, 89.04; Aug. 4, 1950, 88.68; Sept. 27, 1950, 88.48; Nov. 7, 1950, 88.39; Nov. 30, 1950, 88.37.

46-13-8 Brown & Williamson Tobacco Corp. well 4. At 1600 West Hill St. Records available: 1943-50.

Apr. 28	79.70	July 6	78.88	Sept. 27	78.15	Nov. 30	78.22
May 3	79.65	Aug. 4	78.44	Nov. 7	78.14	Dec. 15	78.26
10	79.57						

46-13-10 Joseph E. Seagram & Sons Co. test well 4. At intersection of Bernheim Lane and 7th Street Road. Records available: 1943-49. No measurement made in 1950.

46-13-25 Standard Sanitary Manufacturing Co. At 1541 South 7th St., in well house at northwest corner of power house. Drilled unused industrial well, diameter 12 inches, depth 105 feet. Records available: 1936, 1943, 1950.

June 1936	47	Apr. 28, 1950	69.92	Aug. 8, 1950	68.72	Nov. 9, 1950	68.33
Spring 1943	50	May 16, 1950	69.72	Sept. 27	68.42	Dec. 15	68.19
Mar. 3, 1950	70.05	July 14, 1950	69.07				

46-13-34 Tobacco By-Products & Chemical Corp. At 1350 South 17th St. Records available: 1948-50.

Jan. 6	78.24	May 16	76.74	Sept. 27	76.01	Nov. 30	75.83
Feb. 10	77.96	July 6	76.18	Nov. 8	75.91	Dec. 15	75.80
Apr. 5	77.31	Aug. 4	76.12				

46-14-1 American Tobacco Co. At intersection of 17th St. and Broadway. Records available: 1943-50.

Jan. 6	73.49	Apr. 28	72.34	Sept. 27	73.09	Nov. 28	72.87
Feb. 10	73.32	July 10	72.25	Nov. 8	73.30	Dec. 14	71.32
Apr. 5	72.52	Aug. 8	72.34				

46-14-13 Bernheim Distilling Co. well 3. At 17th and Breckenridge Sts. Records available: 1949-50.

Jan. 6	72.99	May 16	71.97	Sept. 27	73.69	Nov. 30	72.27
Feb. 10	72.92	July 6	71.45	Nov. 7	74.01	Dec. 14	72.41
Apr. 4	72.17	Aug. 4	72.44				

46-14-16 Bernheim Distilling Co. At 1701 West Breckenridge St. in No. 2 distillery.
Records available: 1948-49. No measurement made in 1950.

46-14-28 American Tobacco Co. pump well 2. At 1700 West Broadway, in roadway along south side of building A. Drilled unused industrial well, diameter 12 inches, depth 113 feet.
Records available: 1945, 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 6, 1945	73	July 10, 1950	74.74	Sept. 27, 1950	75.56	Nov. 28, 1950	75.21
Apr. 28, 1950	74.71	Aug. 4	74.87	Nov. 8	75.70	Dec. 14	74.70
May 16	74.79						

46-15-8 Hirsch Bros. & Co. At 1400 Cedar St. Records available: 1948-50.

Jan. 4	79.82	Jan. 31	79.56	Feb. 23	79.24	May 16	77.72
9	79.75	Feb. 2	79.55	Mar. 1	79.19	June 13	77.43
11	79.77	4	79.54	6	79.19	July 11	77.34
14	79.74	6	79.50	13	78.97	Aug. 8	77.33
18	79.71	8	79.44	20	78.82	Sept. 27	77.82
21	79.69	10	79.43	Apr. 11	78.37	Nov. 8	78.18
23	79.66	13	79.40	25	78.07	Dec. 15	78.30
28	79.60	16	79.36	May 8	77.84		

47-11-4 Rubber Reserve Co. well RR-42. West side of Manslick Road, 0.1 mile south of Berry Boulevard. Records available: 1945-50.

Feb. 17	44.03	May 9	42.36	Aug. 3	41.25	Nov. 1	41.63
Apr. 6	42.86	June 22	42.01	Sept. 26	41.29	Dec. 14	41.87

47-12-1 City of Louisville well C-5. Dixie Highway at Frankfort Distillers. Records available: 1935-50.

Jan. 17	61.68	May 11	59.80	Sept. 26	60.19	Nov. 30	60.80
Feb. 17	61.66	June 22	60.12	Nov. 1	60.22	Dec. 14	61.08
Apr. 6	60.21	Aug. 3	59.63	20	60.70		

47-12-2 City of Louisville well C-6. Seventh Street Road, 0.5 mile south of Arcade Ave. Records available: 1935-50.

Jan. 17	51.47	May 11	49.34	Sept. 26	49.32	Nov. 30	50.09
Feb. 17	51.50	June 22	49.19	Nov. 1	49.33	Dec. 14	50.09
Apr. 6	50.05	Aug. 3	48.90				

47-12-3 City of Louisville well C-7. At end of Weyler Ave. Records available: 1935-50.

Jan. 17	45.23	May 10	43.19	Aug. 3	42.01	Nov. 1	42.45
Feb. 17	45.17	June 22	42.48	Sept. 26	42.32	Dec. 13	42.95
Apr. 5	43.97						

47-12-4 Joseph E. Seagram & Sons Co. test well 2. In Seagram parking lot at southwestern corner of Wathens Lane and 7th Street Road. Records available: 1943-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	72.82	64.42	61.22	59.20	57.90	56.47	66.92	68.52	68.57	67.66	68.79	69.46
2	73.05	64.26	61.18	59.12	57.84	56.41	67.05	68.62	68.62	67.94	68.96	69.48
3	73.14	64.09	61.10	59.05	57.80	56.34	67.12	68.47	67.00	68.39	68.98	68.19
4	73.30	63.91	61.02	59.03	57.76	56.35	67.20	68.48	67.79	68.49	69.11	68.71
5	73.40	63.74	60.92	59.02	57.70	56.32	67.22	68.55	68.27	68.69	67.63	69.02
6	73.52	63.57	60.82	58.99	57.74	58.37	67.23	66.80	68.43	68.72	68.86	69.17
7	73.50	63.46	60.71	58.92	57.67	60.42	67.39	67.18	68.62	68.70	68.87	69.26
8	73.84	63.29	60.67	58.86	57.64	61.37	67.47	67.90	68.72	67.15	68.97	69.30
9	73.97	63.19	60.64	58.83	57.55	62.03	67.42	68.12	68.72	67.82	69.06	69.34
10	74.07	63.07	60.57	58.76	57.54	62.42	67.57	68.21	66.34	68.39	69.12	67.64
11	74.13	62.97	60.44	58.77	57.50	62.92	67.62	68.35	68.12	68.65	69.21	68.40
12	74.19	62.82	60.38	58.69	57.44	63.20	66.27	68.46	68.36	68.81	68.02	68.82
13	74.30	62.69	60.33	58.67	57.41	64.02	67.30	66.80	68.49	68.97	68.40	68.98
14	74.20	62.64	60.28	58.63	57.35	64.37	67.52	67.50	68.51	69.01	68.87	69.12
15	74.13	62.52	60.20	58.58	57.32	64.62	67.61	67.94	68.69	67.67	69.05	69.20
16	74.21	62.42	60.12	58.52	57.30	64.87	67.65	68.16	68.74	68.23	69.12	69.25
17	73.77	62.33	60.03	58.46	57.26	65.11	67.71	68.29	67.27	68.71	69.22	68.32
18	73.47	62.20	60.02	58.41	57.22	65.22	68.29	68.42	67.87	68.88	69.27	68.58

47-12-4-Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19	73.89	62.16	59.95	58.40	57.18	65.38	68.42	68.49	68.37	69.00	67.95	68.90
20	73.92	62.06	59.86	58.33	57.14	65.60	68.27	67.10	68.41	69.07	68.80	69.1
21	69.59	61.90	59.80	58.29	57.05	65.77	68.15	67.77	68.66	69.08	69.22	.....
22	68.21	61.78	59.75	58.24	57.00	65.96	68.22	68.18	68.78	67.73	69.38	.....
23	67.38	61.73	59.70	58.18	56.96	66.08	68.14	68.34	68.55	68.55	69.47	.....
24	66.78	61.66	59.63	58.13	56.89	66.26	68.38	68.51	66.91	68.76	69.65	.....
25	66.36	61.57	59.60	58.10	56.82	66.40	68.30	68.59	67.66	68.89	69.75	.....
26	65.99	61.52	59.48	58.08	56.77	66.52	68.35	68.62	68.25	69.05	68.59	68.16
27	65.67	61.42	59.42	58.05	56.69	66.63	68.71	66.92	68.52	69.04	69.12	68.58
28	65.35	61.27	59.38	58.02	56.64	66.62	68.97	68.09	68.65	69.14	69.30	68.76
29	65.08		59.38	57.95	56.57	66.77	68.57	68.29	68.76	67.05	69.32	69.02
30	64.84		59.33	57.94	56.50	66.79	68.50	68.38	68.89	68.06	69.39	68.99
31	64.63		59.26		56.47		68.58	68.33		68.67		67.82

a Tape measurement.

e Estimated.

47-12-6 Joseph E. Seagram & Sons Co. In brick pumphouse in Seagram's parking lot at intersection of 7th Street Road and Wathens Lane. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	62.27	May 19	57.33	Sept. 26	71.2	Nov. 30	72.0
Apr. 7	59.09	June 29	m73.1	Nov. 7	71.6	Dec. 15	71.8
May 11	57.67	Aug. 3	71.6				

m Measurement by Joseph E. Seagram & Sons Co.

47-12-14 National Distillers Products Corp. test well 2. At Old Grand Dad Distillery on Bernheim Lane. Records available: 1941-50.

Feb. 21	58.74	May 25	52.58	May 31	52.18	Aug. 4	57.95
Apr. 7	55.51	26	52.50	June 1	52.15	Sept. 26	58.59
May 11	54.10	27	52.41	2	52.50	Nov. 7	59.18
19	53.34	28	52.31	5	52.64	20	59.49
22	52.87	29	52.29	8	53.01	30	59.66
23	52.78	30	52.18	30	56.12	Dec. 15	59.78
24	52.68						

47-12-15 National Distillers Products Corp. test well 4. At Old Grand Dad Plant on Bernheim Lane. Records available: 1942-50.

Feb. 21	56.77	May 28	56.48	June 30	55.98	Nov. 7	55.70
Apr. 7	53.57	30	56.46	Aug. 10	55.87	30	55.65
May 11	54.75	June 8	56.29	Sept. 26	55.62	Dec. 15	55.63
26	56.50						

47-12-16 National Distillers Products Corp. test well 1. At Old Grand Dad Plant on Bernheim Lane. Records available: 1941-50.

Feb. 21	59.05	May 24	53.37	May 30	52.86	June 30	54.57
Apr. 7	55.84	25	53.27	31	52.81	Aug. 4	56.32
May 11	54.33	26	53.18	June 1	52.80	Sept. 26	57.34
19	53.87	27	53.09	2	52.78	Nov. 7	57.98
22	53.55	28	52.99	5	52.82	30	58.35
23	53.45	29	52.95	8	52.87	Dec. 15	58.49

47-12-19 Brown-Forman Distillers Corp. well 1. At Early Times Distillery on Dixie Highway. Records available: 1947-50.

Daily noon water level, from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	a56.85	Sept. 24	54.46	Oct. 3	54.53	Oct. 12	55.12
Apr. 7	a55.32	25	54.82	4	54.58	13	55.23
May 11	a54.74	26	54.91	5	54.47	14	55.03
June 30	a54.16	27	55.14	6	54.59	15	54.74
Aug. 3	a54.39	28	55.02	7	54.37	16	55.10
Sept. 20	55.01	29	54.81	8	54.15	17	55.28
21	55.07	30	54.28	9	54.59	18	55.24
22	55.09	Oct. 1	54.14	10	54.82	19	55.39
23	54.74	2	54.58	11	54.95	20	55.37

47-12-19-Continued.

Daily noon water level, from recorder graph							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 21	54.59	Nov. 8	55.33	Nov. 26	55.29	Dec. 14	56.19
22	54.45	9	55.56	27	55.68	15	56.21
23	54.89	10	55.64	28	55.75	16	56.40
24	54.76	11	55.69	29	55.83	17	55.67
25	54.71	12	55.19	30	55.92	18	55.99
26	54.72	13	55.41	Dec. 1	55.98	19	55.99
27	54.70	14	55.57	2	56.11	20	56.12
28	54.24	15	55.47	3	55.51	21	56.25
29	54.15	16	55.72	4	55.82	22	56.17
30	54.66	17	55.75	5	55.84	23	56.30
31	54.94	18	55.85	6	55.93	24	55.59
Nov. 1	54.88	19	55.26	7	55.99	25	55.34
2	54.94	20	55.60	8	56.08	26	55.86
3	55.06	21	55.86	9	56.05	27	56.02
4	55.16	22	55.86	10	55.62	28	56.21
5	54.96	23	55.35	11	55.85	29	56.30
6	55.23	24	55.73	12	56.04	30	56.45
7	55.26	25	55.83	13	56.09	31	55.89

a Tape measurement.

47-12-20 Brown-Forman Distillers Corp. test well 1. At Early Times Distillery. on Dixie Highway. Records available: 1944-50.

May 11	50.90	Sept. 26	51.15	Oct. 30	50.90	Nov. 30	51.98
June 30	50.39	Oct. 7	50.82	31	51.09	Dec. 15	52.33
Aug. 3	50.57	28	50.77	Nov. 7	51.42		

47-13-8 National Distillers Products Corporation test well 3. At Old Grand Dad Plant on Bernheim Lane. Records available: 1941-50. Feb. 21, 59.06. Destroyed, measurement discontinued.

47-13-11 Joseph E. Seagram & Sons Co. test well 3. On Seagram's property at 7th Street Road and Wathens Lane. Records available: 1944-50.

Feb. 21	58.96	May 23	59.32	May 31	58.69	July 24	58.55
Apr. 7	59.45	24	59.30	June 1	58.69	31	58.58
May 11	59.26	25	59.29	2	58.67	Aug. 7	58.63
17	59.42	26	59.28	5	58.54	14	58.44
18	59.50	27	59.18	8	58.55	Sept. 26	58.18
19	59.51	28	59.06	30	58.56	Nov. 7	58.67
20	59.50	29	58.95	July 10	58.59	30	58.52
21	59.50	30	58.95	17	58.51	Dec. 15	58.70
22	59.41						

47-14-10 National Distillers Products Corp. At Old Sunnybrook Plant at 28th St. and Broadway. Records available: 1944-50.

Jan. 4	70.34	May 16	68.88	Sept. 27	68.34	Nov. 28	68.11
Feb. 10	69.92	July 6	68.53	Nov. 8	68.24	Dec. 14	68.05
Apr. 5	69.40	Aug. 8	68.26				

47-14-14 Brown-Forman Distillers Corp. At 19th and Howard Sts. Records available: 1949-50.

Jan. 6	73.39	May 16	74.64	Sept. 27	76.28	Nov. 30	75.74
Feb. 10	73.73	July 6	70.56	Nov. 8	73.62	Dec. 14	71.88
Apr. 5	74.88	Aug. 4	75.00				

47-15-1 City of Louisville well M-3. Southwest corner of 28th and Jefferson Sts. Records available: 1939-50.

Jan. 4	40.38	May 16	39.56	Aug. 8	39.48	Nov. 8	39.75
Feb. 10	d40.5±	July 6	39.53	Sept. 27	39.58	Dec. 14	39.80
Apr. 5	d40.5±						

d Dry at this depth.

48-11-1 Charles Matheis. Matheis Lane, 0.5 mile west of Dixie Highway. Records available: 1944-50.

Feb. 10	50.40	May 9	48.38	Aug. 2	47.23	Nov. 1	47.67
Apr. 5	48.75	June 22	47.78	Sept. 26	47.48	Dec. 13	48.03

48-12-1 City of Louisville well C-2. 0.25 mile north of Glencoe Distillery, east of Cane Run Road. Records available: 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	58.78	May 11	56.98	Sept. 22	56.84	Nov. 30	57.46
Feb. 15	58.49	June 22	56.45	Nov. 2	57.18	Dec. 14	57.59
Apr. 6	57.43	Aug. 3	55.90				

48-12-2 City of Louisville well C-3. North of Stitzel-Weller Distillery. 150 feet east of Tucker Lane. Records available: 1935-50.

Jan. 17	70.48	May 11	68.57	Sept. 26	67.81	Nov. 30	68.64
Feb. 17	70.11	June 22	67.96	Nov. 1	68.29	Dec. 14	68.72
Apr. 6	69.02	Aug. 3	67.30				

48-12-15 Rubber Reserve Co. well RR-41. On Farnsley Road right-of-way, northside, 0.6 mile west of Dixie Highway. Records available: 1945-50.

Feb. 10	48.36	June 22	45.56	Sept. 26	45.20	Nov. 30	45.72
Apr. 5	46.60	Aug. 2	44.93	Nov. 1	45.45	Dec. 13	45.82
May 9	46.20						

48-14-1 City of Louisville well M-4. 38th Street and Greenwood Avenue. Records available: 1939-50.

Jan. 4	55.74	Feb. 15	55.55	July 6	53.50	Nov. 7	52.83
18	55.70	Apr. 5	54.76	Aug. 4	53.16	30	52.89
Feb. 1	55.64	May 16	54.12	Sept. 27	52.86	Dec. 14	52.94

48-14-9 Parkland Ice and Coal Co. At 3111 Woodland. Records available: 1949-50.

Jan. 4	67.66	May 16	66.24	Sept. 27	66.57	Nov. 30	65.11
Feb. 15	66.61	July 6	67.08	Nov. 7	65.26	Dec. 14	64.95
Apr. 5	66.73	Aug. 4	66.73				

48-15-2 Klarer Provision Co. well 1. At 210 Amy Ave. Records available: 1948-50.

Jan. 4	47.62	May 16	46.22	Aug. 8	45.52	Nov. 8	45.50
Feb. 10	47.36	July 5	45.75	Sept. 27	45.46	Dec. 14	45.70
Apr. 5	46.70						

49-10-1 T. W. Blackwell. East side of Dixie Highway at Rockford Lane. Records available: 1944-50. June 21, 34.22; Aug. 3, 33.58; Sept. 22, 33.68.

49-11-1 Rubber Reserve Co. well RR-32. On property of Louis Risinger, Garrs Lane, 0.6 mile west of Dixie Highway. Records available: 1945-50.

Jan. 17	41.94	May 10	39.52	Sept. 22	38.27	Nov. 20	38.67
Feb. 10	41.52	June 20	38.92	Oct. 31	38.49	Dec. 13	38.76
Apr. 4	40.08	Aug. 3	38.32				

49-12-2 Henry Vogt. 0.25 mile west of Cane Run Road and 0.25 mile north of Kramers Lane. Records available: 1944-50.

Feb. 15	50.18	June 23	48.34	Oct. 31	48.36	Dec. 13	48.83
Apr. 5	49.39	Aug. 2	48.05	Nov. 30	48.70	19	48.86
May 10	48.80	Sept. 22	48.08				

49-12-3 Mrs. Ridley. East of white house 0.35 mile south of intersection of Cane Run Road and Ridley's Court. Records available: 1944-50.

Feb. 15	44.97	May 10	45.10	Aug. 2	44.73	Oct. 31	44.24
Apr. 5	45.03	June 23	44.78	Sept. 22	44.24	Dec. 13	43.86

49-12-4 Rubber Reserve Co. well RR-40. Southeast corner of intersection of Cane Run Road and Farnsley Road. Records available: 1945-50.

Feb. 15	49.92	June 23	48.21	Oct. 31	47.75	Dec. 13	48.08
Apr. 5	49.26	Aug. 2	47.75	Nov. 30	47.99	19	48.10
May 10	48.72	Sept. 22	47.54				

49-13-5 Synthetic Rubber Co. test well 10. On Illinois Central Railroad property between Algonquin Parkway and Bells Lane west of main switch to Bond Bros. Tie Plant. Records available: 1945-50.

Jan. 3	p79.90	May 12	74.08	Sept. 22	p83.00	Dec. 12	77.38
Feb. 15	p79.21	July 5	76.47	Nov. 2	p80.77	19	77.32
Apr. 6	77.30	Aug. 3	p80.92	Dec. 1	77.62		

p Pumping.

49-13-22 Bond Bros. On tie plant property on Bells Lane. Records available: 1933-38, 1942-50.

Jan. 3	64.53	Feb. 9	64.66	Apr. 5	63.30	Oct. 31	65.84
20	64.91	14	64.49	May 12	63.10	Nov. 20	66.12
25	64.79	24	64.24	July 5	64.16	30	66.13
27	64.79	28	64.02	Aug. 3	64.78	Dec. 12	65.92
Feb. 1	64.76	Mar. 7	63.84	Sept. 22	65.52	19	65.93
3	64.81	14	63.47				

49-13-24 B. F. Goodrich Co. well 17. On Koroseal plant property on Bells Lane. Records available: 1943-50.

Jan. 3	72.39	Jan. 27	72.82	Mar. 7	70.38	Sept. 22	75.05
10	72.30	Feb. 1	72.64	14	70.25	Nov. 2	75.13
11	72.41	3	72.75	Apr. 6	70.08	20	74.73
13	72.20	9	72.31	May 12	69.59	Dec. 1	74.56
17	72.37	14	71.96	July 5	72.25	12	74.21
20	72.70	24	71.28	Aug. 3	72.93	19	74.06
25	72.92	28	70.72				

49-13-25 B. F. Goodrich Co. test well 2. On Koroseal plant property on Bells Lane. Records available: 1947-50.

Jan. 3	69.81	May 12	67.72	Sept. 22	72.00	Dec. 12	72.60
Feb. 15	68.20	July 5	p69.53	Nov. 2	71.43	19	72.15
Apr. 6	p68.75	Aug. 4	p69.83	Dec. 1	72.92		

p Pumping.

49-13-26 B. F. Goodrich Co. test well 14. On Koroseal plant property on Bells Lane. Records available: 1943-50.

Jan. 3	68.51	May 12	67.09	Sept. 22	71.24	Dec. 12	71.09
Feb. 15	67.86	July 5	69.31	Nov. 2	71.32	19	71.30
Apr. 6	66.78	Aug. 4	69.37	Dec. 1	71.83		

49-13-27 B. F. Goodrich Co. test well 15. On Koroseal plant property on Bells Lane. Records available: 1943-50.

Jan. 3	65.09	May 12	63.49	Sept. 22	67.27	Dec. 12	67.88
Feb. 15	64.64	July 5	65.50	Nov. 2	68.06	19	67.83
Apr. 6	63.35	Aug. 4	66.28	Dec. 1	68.20		

49-13-28 U. S. Fish & Wildlife Service. Gibson Lane and Western Parkway. Records available: 1943-50.

Jan. 4	74.69	Jan. 25	72.24	Feb. 24	68.28	July 5	71.60
10	74.34	27	71.40	28	n67.65	Aug. 4	72.40
11	74.20	Feb. 1	71.00	Mar. 8	n67.92	Sept. 27	74.03
13	73.78	3	71.48	15	68.24	Nov. 7	75.17
18	73.18	8	70.55	Apr. 5	69.52	30	74.77
20	72.59	15	68.58	May 12	70.25	Dec. 14	73.48

n Not pumping.

49-13-40 Rubber Reserve Co. well RR-26. Southeast corner of intersection of 39th Street and Algonquin Parkway. Records available: 1945-50.

Jan. 3	65.10	Mar. 7	64.80	July 5	64.04	Dec. 1	64.78
Feb. 1	65.19	15	64.60	Aug. 3	64.24	12	64.76
15	65.14	Apr. 5	64.37	Sept. 22	64.58	19	64.74
28	64.84	May 12	63.70	Oct. 31	64.83		

49-13-41 Synthetic Rubber Co. test well 12. On Illinois Central Railroad property south of Algonquin Parkway west of main switch to Bond Bros. Tie Plant. Records available: 1945-50.

49-13-41--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	66.71	May 12	63.97	Sept. 22	68.18	Dec. 12	67.39
Feb. 15	66.81	July 5	65.60	Oct. 31	68.69	19	67.22
Apr. 6	64.89	Aug. 3	66.80	Dec. 1	67.56		

49-14-6 Tube Turns. Kentucky State Fairgrounds. Records available: 1943-50.

Jan. 4	62.18	Feb. 3	61.95	May 16	59.79	Nov. 7	60.56
18	62.01	15	61.72	July 6	59.65	30	60.93
20	62.02	Mar. 20	60.67	Aug. 4	59.61	Dec. 14	60.98
Feb. 1	61.97	Apr. 5	60.32	Sept. 27	60.16		

49-14-12 Louisville Refining Co. 1300 South Western Parkway. Records available: 1944-50.

Jan. 4	96.65	June 19	85.62	July 5	n69.50	Sept. 27	90.88
May 16	80.70	23	n69.57	Aug. 4	88.45	Nov. 7	94.27
June 12	85.07	26	n69.53				

n Not pumping.

50-9-4 Rubber Reserve Co. well RR-37. Southwest corner of intersection of Lower Hunters Trace and Upper Hunters Trace. Records available: 1945-50.

Jan. 17	34.01	May 9	32.20	Aug. 1	30.96	Oct. 26	30.80
Feb. 7	33.82	June 16	31.68	Sept. 21	30.71	Dec. 12	30.96
Apr. 4	32.73						

50-10-1 Robert Lee. Dover Road about 0.5 mile northeast of Rockford Lane. Records available: 1944-50.

Feb. 7	24.75	May 9	23.24	Aug. 2	22.11	Oct. 31	21.98
Apr. 4	23.79	June 21	22.70	Sept. 22	21.91	Dec. 13	22.13

50-10-2 Rubber Reserve Co. well RR-30. South side of Rockford Lane, 0.95 mile west of Dixie Highway. Records available: 1945-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.25	27.83	27.18	26.66	26.19	25.78	25.34	24.99	24.89	24.90	25.00	25.12
2	28.24	27.87	27.16	26.60	26.18	25.77	25.33	24.98	24.89	24.89	25.03	25.11
3	28.20	27.84	27.09	26.56	26.16	25.74	25.32	24.99	24.90	24.89	25.02	25.14
4	28.33	27.80	27.07	26.68	26.15	25.75	25.31	24.98	24.90	24.89	25.02	25.15
5	28.27	27.73	27.05	26.59	26.12	25.73	25.28	24.97	24.91	24.89	.....	25.15
6	28.20	27.73	27.04	26.57	26.15	25.72	25.29	24.97	24.90	24.89	25.06	25.10
7	28.24	27.77	27.01	26.51	26.14	25.71	25.27	24.96	24.87	24.89	25.04	25.15
8	28.14	27.66	27.07	26.51	26.12	25.69	25.25	24.95	24.87	24.87	25.04	25.16
9	28.17	27.75	27.02	26.48	26.11	25.67	25.24	24.94	24.87	24.87	25.08	25.08
10	28.22	27.67	26.96	26.44	26.10	25.67	25.24	24.94	24.86	24.89	25.09	25.13
11	28.21	27.66	26.93	26.50	26.06	25.67	25.22	24.94	24.86	24.87	25.10	25.09
12	28.12	27.58	26.92	26.43	26.00	25.66	25.20	24.93	24.87	24.90	25.10	25.11
13	28.04	27.57	26.96	26.45	25.98	25.65	25.20	24.93	24.88	24.91	25.11	25.13
14	28.22	27.64	26.87	26.42	25.96	25.61	25.19	24.92	24.86	24.89	25.10	25.11
15	27.96	27.61	26.85	26.39	25.97	25.62	25.18	24.91	24.87	24.93	25.10	24.19
16	28.15	27.56	26.87	26.36	25.96	25.61	25.17	24.92	24.86	24.94	25.10	25.15
17	27.96	27.51	26.76	26.35	25.93	25.63	25.17	24.91	24.88	24.95	25.13	25.17
18	28.08	27.39	26.84	26.34	25.92	25.58	25.16	24.89	24.88	24.94	25.09	25.18
19	28.07	27.46	26.78	26.35	25.90	25.54	25.13	24.91	24.85	24.92	25.08	25.16
20	28.00	27.41	26.78	26.33	25.90	25.52	25.13	24.91	24.86	24.93	25.19	25.21
21	27.97	27.33	26.77	26.31	25.88	25.56	25.13	24.90	24.84	24.93	.....	25.19
22	27.98	27.30	26.78	26.29	25.88	25.47	25.12	24.90	24.87	24.94	.....	25.17
23	27.96	27.33	26.78	26.28	25.87	25.47	25.11	24.91	24.85	24.97	.....	25.16
24	27.98	27.38	26.76	26.26	25.85	25.46	25.07	24.90	24.90	24.97	.....	25.18
25	27.95	27.26	26.72	26.29	25.85	25.44	25.07	24.89	24.90	24.99	.....	25.18
26	28.03	.....	26.66	26.25	25.84	25.41	25.05	24.89	24.90	24.99	.....	25.22
27	27.92	27.20	26.70	26.25	25.82	25.41	25.05	24.89	24.90	24.95	25.12	25.18
28	27.86	27.16	26.71	26.22	25.81	25.38	25.03	24.88	24.90	24.99	25.14	25.15
29	27.90		26.75	26.20	25.80	25.37	25.02	24.89	24.90	25.01	25.13	25.16
30	27.86		26.68	26.23	25.78	25.36	25.02	24.88	24.89	25.00	25.14	25.16
31	27.97		26.62		25.80		24.99	24.86		25.00		25.20

50-11-2 Rubber Reserve Co. well RR-33. Southeast corner of intersection of Crums Lane and Cane Run Road. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	37.33	Feb. 7	37.62	Mar. 14	36.63	Aug. 2	35.17
24	37.58	9	37.68	21	36.95	Sept. 22	35.14
27	37.65	14	37.62	Apr. 4	36.95	Oct. 31	35.39
Feb. 1	37.50	28	37.29	May 9	36.08	Dec. 13	35.77
3	37.70	Mar. 7	36.13	June 23	35.57	19	35.79

50-11-3 Rubber Reserve Co. well RR-39. North side of Schencks Lane, 0.5 mile west of Cane Run Road. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	47.65	Feb. 7	47.64	Mar. 14	46.20	Aug. 2	45.11
24	47.79	9	47.58	21	45.82	Sept. 22	45.62
27	47.85	14	47.52	Apr. 4	45.52	Oct. 31	46.26
Feb. 1	47.62	28	46.94	May 9	44.54	Dec. 13	46.96
3	47.78	Mar. 7	46.52	June 23	44.93	19	47.05

50-12-12 Patrick Whelan. Kramers Lane, 0.2 mile west of Cane Run Road. Records available: 1943-50. Feb. 15, 48.14; June 23, 46.54; Aug. 2, 46.30; Sept. 22, 46.29; Oct. 26, 46.51.

50-12-16 Rubber Reserve Co. well RR-27. South side of Kramers Lane, 245 feet east of Camp Ground Road. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	53.29	Feb. 7	52.51	Mar. 21	49.14	Sept. 22	55.34
17	53.26	9	52.35	Apr. 5	51.25	Oct. 26	54.84
24	53.25	15	51.93	May 10	52.18	Nov. 30	56.04
27	53.22	28	50.49	June 23	53.42	Dec. 14	56.52
Feb. 1	52.79	Mar. 7	49.80	Aug. 2	54.14	19	56.64
3	52.85	14	49.42				

50-12-17 Rubber Reserve Co. well RR-34. On Z. C. Long's farm, east side of Camp Ground Road, 0.4 mile north of Kramers Lane. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	58.91	Feb. 1	59.17	Mar. 7	57.90	Sept. 22	57.82
13	59.00	3	59.29	14	57.72	Oct. 31	58.30
17	58.96	9	59.17	Apr. 6	57.32	Nov. 30	58.67
20	59.22	15	59.07	May 12	56.92	Dec. 14	58.85
24	59.28	17	58.98	June 27	57.30	19	58.96
27	59.27	28	58.34	Aug. 3	57.38		

50-12-18 Rubber Reserve Co. well RR-35. On Bond Bros. property north side of Camp Ground Road, 0.3 mile east of Ralph Avenue. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	a66.88	Oct. 31	a66.57	Nov. 30	67.08	Dec. 16	67.20
13	a66.97	Nov. 15	66.90	Dec. 1	67.02	17	67.23
17	a67.03	16	66.93	2	67.04	18	67.21
20	a67.22	17	66.94	3	67.12	19	67.19
27	a67.19	18	66.94	4	67.11	20	67.26
Feb. 1	a67.12	19	66.94	5	67.09	21	67.24
3	a67.20	20	67.20	6	67.03	22	67.22
9	a67.10	21	66.94	7	67.15	23	67.21
15	a66.97	22	66.93	8	67.16	24	67.27
28	a66.40	23	66.99	9	67.06	25	67.25
Mar. 7	a66.01	24	67.03	10	67.16	26	67.35
14	a65.79	25	66.94	11	67.10	27	67.23
Apr. 5	a65.33	26	67.00	12	67.16	28	67.20
May 12	a64.55	27	67.07	13	67.18	29	67.24
June 27	a64.77	28	67.06	14	67.15	30	67.24
Aug. 3	a64.95	29	67.05	15	67.28	31	67.29
Sept. 22	a65.77						

a Tape measurement.

50-13-9 National Carbide Corp. pump well 10. On company property on Bells Lane. Records available: 1945-49. No measurement made in 1950.

50-13-56 Rubber Reserve Co. well RR-24. In E. I. du Pont de Nemours Upper Field, on south bank of Lower Paddy Run about 200 feet east of Ohio River bank. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	37.86	Feb. 9	(f)	Mar. 15	32.66	Sept. 22	41.48
10	(f)	15	(f)	Apr. 6	(f)	Nov. 2	44.15
27	24.34	17	16.95	May 12	32.15	Dec. 1	37.82
Feb. 1	23.28	Mar. 1	25.69	June 21	33.80	14	(f)
3	(f)	7	32.31	Aug. 4	40.20	19	28.15

f Flooded.

50-13-58 National Carbide Corp. test well in pump house 10. On company property on Bells Lane. Records available: 1945, 1947-50.

Jan. 3	70.64	Jan. 27	69.28	Feb. 28	63.47	Aug. 3	70.40
10	71.84	Feb. 1	68.31	Mar. 7	63.47	Sept. 22	72.36
13	71.50	9	67.03	Apr. 6	64.86	Dec. 1	73.70
17	71.26	14	65.69	May 12	65.56	12	73.22
20	71.04	24	64.13	July 5	68.42	19	72.67
25	69.94						

50-14-4 Rubber Reserve Co. well RR-23. On Louisville Refining Co. property at 1300 S. Western Parkway. Records available: 1945-50.

Jan. 4	72.78	Jan. 25	68.24	Feb. 24	66.30	July 5	69.24
10	72.38	27	68.56	28	66.58	Aug. 4	69.68
11	71.99	Feb. 1	68.99	Mar. 8	67.00	Sept. 27	70.92
13	71.04	3	68.99	15	67.18	Nov. 7	71.69
18	68.41	8	68.05	Apr. 5	67.59	30	71.87
20	67.49	15	64.93	May 16	68.42	Dec. 14	70.32

51-8-1 Mrs. Ethel Waller. On private drive 0.25 mile north of Greenwood School. Records available: 1943-50.

Jan. 17	44.55	Feb. 7	44.55	Mar. 14	44.00	Aug. 1	41.91
20	44.65	9	44.55	Apr. 4	43.74	Sept. 21	41.53
24	44.58	14	44.33	May 9	43.25	Oct. 26	41.56
27	44.68	27	44.20	June 15	42.69	Dec. 12	41.78

51-9-1 George Nagel. 0.1 mile west of intersection of Lower Hunters Trace and Upper Hunters Trace. Records available: 1943-50.

Feb. 7	44.33	May 9	42.73	Aug. 3	41.47	Oct. 26	41.30
Apr. 4	43.22	June 16	42.22	Sept. 21	41.21	Dec. 12	41.43

51-10-1 Rubber Reserve Co. well RR-29. South side of Rockford Lane, 0.3 mile east of Cane Run Road. Records available: 1945-50.

Feb. 7	33.55	May 9	31.82	Aug. 2	30.78	Oct. 31	30.81
Apr. 4	32.40	June 21	31.28	Sept. 22	30.65	Dec. 13	31.07

51-11-1 Thieneman Bros. Camp Ground Road 0.2 mile north of Lees Lane. Records available: 1944-50.

Feb. 7	52.47	Mar. 7	50.91	May 15	48.26	Oct. 26	50.04
9	52.35	14	50.00	June 27	48.50	Dec. 13	50.73
14	51.98	21	49.52	Aug. 2	48.61	19	50.67
28	50.94	Apr. 4	49.14	Sept. 21	49.44		

51-11-2 Kaufman Bros. Cane Run Road 0.1 mile south of Lees Lane. Records available: 1944-50.

Jan. 17	47.13	Feb. 3	46.75	Mar. 7	45.44	June 16	43.55
20	47.13	7	46.62	14	45.24	Aug. 2	43.20
24	46.99	9	46.57	21	44.99	Sept. 21	43.41
27	46.97	14	46.34	Apr. 4	44.65	Oct. 26	43.73
Feb. 1	46.75	28	45.77	May 9	44.01	Dec. 13	44.25

51-11-4 Rubber Reserve Co. well RR-31. On Paul Baugh's property, west side of Cane Run Road, 0.1 mile north of Rockford Lane. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	40.09	Feb. 3	40.19	Mar. 7	39.33	June 16	37.20
20	40.27	7	40.05	14	39.13	Aug. 2	36.75
24	40.22	9	40.04	21	38.90	Sept. 22	36.78
27	40.24	14	40.02	Apr. 4	38.67	Oct. 31	37.04
Feb. 1	40.07	28	39.58	May 9	37.76	Dec. 13	37.45

51-12-8 Lake Dreamland Country Club. Lake Dreamland Road 0.5 mile west of Camp Ground Road. Records available: 1943-50.

Jan. 11	35.53	Feb. 1	30.34	Mar. 7	34.99	Aug. 2	42.77
13	32.74	3	29.18	14	38.78	Sept. 21	47.38
17	28.63	7	24.00	21	34.70	Oct. 26	48.02
20	27.55	9	22.46	Apr. 5	29.20	Dec. 1	42.30
24	28.76	15	23.72	May 10	37.58	14	32.83
27	30.62	28	29.49	June 23	38.79	19	32.77

51-12-9 E. W. Owen. At end of Fern Leaf Road, 0.7 mile northwest of Camp Ground Road. Records available: 1944-50.

Jan. 3	16.54	Jan. 27	0.96	Mar. 7	18.91	Aug. 2	46.84
11	.78	Feb. 1	.40	14	6.14	Sept. 22	53.59
13	.23	3	1.05	21	1.35	Oct. 31	52.80
17	.77	9	.60	Apr. 5	1.08	Nov. 30	42.78
20	1.32	15	.55	May 12	.69	Dec. 14	19.36
24	1.29	28	7.20	June 27	28.72	19	25.34

51-12-12 Rubber Reserve Co. well RR-20. In E. I. du Pont de Nemours lower field on edge of second terrace above Ohio River normal pool. Records available: 1945-50.

Jan. 11	39.50	Feb. 3	38.10	Mar. 14	54.27	Sept. 21	62.48
17	33.93	7	30.27	21	46.91	Oct. 26	63.84
20	34.62	9	29.92	Apr. 5	37.95	Dec. 1	55.22
24	40.00	15	34.10	May 10	50.95	14	38.97
27	42.60	28	44.32	June 21	52.26	19	44.88
Feb. 1	40.62	Mar. 7	54.60	Aug. 2	58.42		

51-13-1 Rubber Reserve Co. well RR-21. On property of Carbide and Carbon Chemical Corp., Camp Ground Road. Records available: 1945-50.

Jan. 3	48.66	Jan. 27	36.35	Mar. 1	37.68	Aug. 4	53.59
10	34.78	Feb. 1	34.95	7	47.07	Sept. 22	53.38
11	33.33	3	31.60	15	45.40	Nov. 2	56.90
13	31.34	9	25.60	Apr. 6	33.79	Dec. 1	49.12
17	28.96	15	28.81	May 12	43.74	14	33.14
20	29.70	17	29.68	June 21	45.69	19	38.88
24	34.15						

52-7-1 Lanson Beahl. Johnstontown Road, 1.5 miles west of Dixie Highway. Records available: 1943-50.

Jan. 17	38.94	Apr. 4	36.26	June 15	35.35	Sept. 21	35.44
Feb. 7	38.62	May 9	35.65	Aug. 1	35.08	Oct. 26	35.77

52-7-2 Rubber Reserve Co. well RR-47. South side of Johnstontown Road, 0.84 mile west of Dixie Highway. Records available: 1945-50.

Jan. 17	38.98	Apr. 4	37.68	Aug. 1	35.73	Oct. 26	35.57
Feb. 7	38.91	June 15	36.43	Sept. 21	35.43	Dec. 12	35.57
20	38.58						

52-8-1 Mrs. Anna Dohn. Private road 0.45 mile south of Greenwood School. Records available: 1943-50.

Jan. 17	45.48	Feb. 7	45.49	Mar. 14	44.93	Aug. 1	42.85
20	45.58	9	45.49	Apr. 4	44.40	Sept. 21	42.42
24	45.54	14	45.25	May 9	44.16	Oct. 26	42.39
27	45.63	27	45.16	June 15	43.62	Dec. 12	42.54

52-8-2 Rubber Reserve Co. well RR-38. South side of Greenwood Road, 500 feet east of Sylvania Road. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	40.74	Feb. 3	40.94	Mar. 7	40.09	June 15	37.88
20	40.98	7	40.85	14	40.03	Aug. 1	37.45
24	40.94	9	40.78	21	39.75	Sept. 21	37.46
27	40.98	14	40.50	Apr. 4	39.44	Oct. 26	37.71
Feb. 1	41.52	28	40.30	May 9	38.50	Dec. 12	38.10

52-10-2 H. F. Roggenkamp. Lower River Road, 0.2 mile east of Lower Hunters Trace. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	45.32	Feb. 3	43.70	Mar. 7	40.60	June 16	41.07
20	45.11	7	43.16	14	40.79	Aug. 1	41.43
24	44.36	9	42.78	21	40.68	Sept. 21	42.47
27	44.20	14	41.88	Apr. 4	40.70	Oct. 26	43.02
Feb. 1	43.59	28	40.68	May 9	40.57	Dec. 12	43.17

52-10-3 Rubber Reserve Co. well RR-36. Northeast corner of Murrays Lane and Lower Hunters Trace. Records available: 1945-48, 1950. May 9, 37.27; June 16, 36.70; Aug. 1, 36.29; Sept. 21, 36.42; Oct. 26, 36.68; Dec. 12, 37.15.

52-11-3 Rubber Reserve Co. well P-1. On Ohio River bank north of Lees Lane. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	22.13	Feb. 7	(f)	Mar. 14	26.52	Aug. 2	30.58
24	23.45	9	(f)	21	23.96	Sept. 21	33.78
27	24.93	14	17.70	Apr. 4	21.49	Oct. 26	34.36
Feb. 1	23.62	28	21.80	May 9	26.48	Dec. 19	24.40
3	22.13	Mar. 7	24.63	June 28	27.05		

f Flooded.

52-11-5 Rubber Reserve Co. well E-2. Near church at west end of Lees Lane. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	50.15	Jan. 27	47.74	Feb. 28	44.20	June 28	49.29
11	49.58	Feb. 1	46.29	Mar. 7	46.73	Aug. 2	52.37
13	48.20	3	45.34	14	47.64	Sept. 21	54.89
16	47.32	7	42.40	21	45.97	Oct. 26	55.56
18	46.35	9	41.69	Apr. 4	43.92	Dec. 13	46.34
20	46.26	14	41.97	May 9	48.14	19	47.82
24	47.07						

52-11-7 Rubber Reserve Co. well E-4. Near church at west end of Lees Lane. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	52.46	Jan. 27	49.00	Feb. 28	44.53	June 28	48.90
13	51.23	Feb. 1	48.14	Mar. 7	45.87	Aug. 2	51.37
16	50.37	3	47.74	14	47.18	Sept. 21	53.93
18	49.33	7	45.54	21	46.34	Oct. 26	54.50
20	48.90	9	44.64	Apr. 4	45.39	Dec. 13	48.92
24	48.59	14	44.01	May 9	47.88	19	48.50

52-11-16 Rubber Reserve Co. well W-1. On Ohio River bank north of Lees Lane. Records available: 1944-50. Flooded Jan. 20, Feb. 7, 9, 14, Apr. 4.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	0.83	Mar. 21	3.14	June 28	5.64	Sept. 21	14.67
Mar. 7	5.25	May 9	5.98	Aug. 2	10.52	Oct. 26	14.32
14	6.12						

52-11-21 Rubber Reserve Co. well RR-28. Lees Lane and Camp Ground Road. Records available: 1945-50

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	36.48	Jan. 27	35.58	Feb. 28	31.63	June 27	30.90
13	35.97	Feb. 1	34.83	Mar. 7	31.13	Aug. 2	31.30
16	36.44	3	34.90	14	31.03	Sept. 21	32.44
18	35.93	7	34.33	21	30.67	Oct. 26	33.08
20	36.08	9	34.09	Apr. 4	30.60	Dec. 13	33.60
24	35.62	14	33.35	May 9	30.15	19	33.39

52-12-2 Rubber Reserve Co. well RR-22. On property of Americus Petrali, on Ohio River bank 0.1 mile south of Bramers Lane. Records available: 1945-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.66	28.77	29.97	29.22	37.49	37.91	37.09	41.16	46.04	43.91	46.49	39.46
2	40.59	27.82	30.83	28.96	36.70	37.59	38.45	42.20	46.13	44.46	46.54	39.14
3	40.38	26.72	.....	28.19	36.52	37.77	40.77	43.20	45.68	44.71	46.53	38.41
4	39.94	25.42	.....	26.95	36.67	36.80	42.32	43.84	45.21	45.01	46.52	36.93
5	38.80	24.19	.....	26.20	36.69	36.09	42.79	44.22	44.69	45.33	46.17	35.72
6	37.20	23.30	36.08	25.91	36.61	35.78	42.74	44.46	44.09	45.38	45.67	34.62
7	35.72	22.82	36.94	26.06	36.06	35.18	42.47	44.63	43.69	45.52	44.22	33.52
8	34.09	22.20	37.92	26.70	35.56	34.61	41.95	44.87	43.98	45.63	42.81	32.35
9	32.95	22.19	.....	27.32	35.72	34.61	40.83	45.01	45.30	45.61	41.82	31.06
10	31.97	22.17	.....	27.52	35.72	35.39	39.75	45.15	45.52	45.50	40.81	30.23
11	31.18	22.66	.....	28.00	35.07	36.27	39.98	45.25	45.70	45.29	40.32	29.41
12	30.02	23.19	.....	28.32	35.62	37.46	41.38	45.36	45.74	45.12	40.30	28.83
13	29.10	23.54	38.92	29.23	36.92	38.61	43.06	45.40	45.62	45.57	40.53	28.47
14	28.92	23.72	37.51	30.51	38.34	39.22	43.54	45.42	45.62	45.53	41.02	28.23
15	27.95	23.65	35.69	32.12	38.99	39.26	43.59	45.56	45.53	45.27	41.73	28.47
16	27.91	23.69	34.21	33.61	39.09	39.50	43.56	45.64	45.44	45.43	43.37	28.83
17	26.95	24.17	32.84	35.30	38.75	40.34	43.50	45.55	45.67	45.47	44.19	29.62
18	26.72	24.46	32.30	37.11	38.29	40.84	44.02	45.58	45.74	45.62	44.47	30.60
19	26.75	25.14	31.86	38.27	37.67	40.40	44.10	45.71	45.88	45.81	44.62	31.58
20	26.87	25.37	31.72	39.31	36.98	37.87	44.13	45.66	45.99	45.92	43.46	33.14
21	27.05	25.37	31.77	40.17	37.40	36.26	44.06	45.62	45.56	46.00	41.22	34.97
22	27.52	25.65	31.71	40.78	37.94	35.04	.....	45.73	44.07	46.11	39.81	36.77
23	28.14	26.31	31.91	41.29	38.97	34.12	.....	45.80	41.78	46.20	39.23	38.58
24	28.93	26.77	31.95	41.57	39.79	33.59	42.70	45.85	39.74	46.19	38.81	39.84
25	29.65	27.44	32.06	41.80	40.61	33.68	42.30	45.94	38.50	46.25	38.44	40.85
26	30.32	.....	31.59	42.01	41.04	34.19	42.18	45.93	37.83	46.27	38.42	41.34
27	30.36	28.87	31.23	41.44	41.17	35.61	42.35	45.98	37.78	46.22	38.56	41.54
28	29.95	29.13	30.93	40.79	41.02	36.61	41.96	45.96	38.26	46.31	38.72	41.79
29	29.95	.....	30.62	39.82	40.58	36.80	41.69	46.02	40.03	46.37	38.93	42.02
30	29.94	.....	30.15	38.61	39.48	36.90	41.23	46.02	43.04	46.43	39.25	42.12
31	29.48	.....	29.64	.....	38.34	.....	40.82	46.00	.....	46.43	.....	42.61

53-6-1 Rubber Reserve Co. well RR-46. South side of Bethany Lane, 0.27 mile east of Lower River Road. Records available: 1945-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.77	31.06	28.46	27.38	27.07	27.49	27.66	28.01	28.67	29.28	29.67	29.90
2	32.66	30.87	28.65	27.48	26.99	27.45	27.63	28.03	28.72	29.30	29.69	29.80
3	32.44	31.07	28.51	27.32	27.00	27.38	27.63	28.07	28.75	29.29	29.70	29.81
4	32.55	30.88	28.39	27.23	27.03	27.45	27.64	28.09	28.78	29.30	29.70	29.89
5	32.97	30.57	28.25	27.61	27.02	27.49	27.63	28.10	28.84	29.31	29.76	29.92
6	32.64	30.19	28.16	27.69	27.18	27.52	27.66	28.12	28.85	29.31	29.79	29.75
7	32.89	30.26	28.00	27.47	27.20	27.56	27.68	28.14	28.83	29.32	29.81	29.67
8	32.75	30.19	27.96	27.26	27.23	27.55	27.68	28.15	28.84	29.29	29.78	29.86
9	32.36	30.01	28.38	27.30	27.03	27.53	27.68	28.16	28.86	29.31	29.84	29.66
10	32.17	30.02	28.24	27.13	27.12	27.47	27.69	28.18	28.88	29.35	29.90	29.62
11	32.65	30.00	27.83	27.14	27.19	27.56	27.71	28.20	28.92	29.35	29.90	29.58
12	32.27	29.81	27.88	27.22	27.08	27.58	27.70	28.23	28.95	29.38	29.90	29.55
13	31.91	29.41	27.87	27.23	26.98	27.51	27.69	28.24	28.99	29.42	29.90	29.62
14	32.15	29.12	28.16	27.25	26.94	27.56	27.75	28.26	29.00	29.40	29.90	29.56
15	31.81	29.40	27.97	27.21	27.00	27.56	27.75	28.27	29.00	29.43	29.89	29.49
16	32.20	29.44	27.71	27.11	27.20	27.52	27.76	28.30	29.03	29.46	29.87	29.55
17	31.93	29.47	27.76	26.99	27.26	27.58	27.77	28.33	29.09	29.47	29.94	29.49
18	31.66	29.20	27.86	26.97	27.27	27.56	27.78	28.33	29.11	29.46	29.89	29.46
19	31.93	29.36	27.94	27.03	27.25	27.51	27.78	28.37	29.11	29.44	29.85	29.35
20	32.17	29.36	27.64	26.99	27.24	27.57	27.79	28.40	29.12	29.47	29.89	29.33
21	31.85	28.84	27.74	27.01	27.24	27.64	27.84	28.43	29.12	29.48	29.98	29.31
22	31.55	28.45	27.62	26.97	27.27	27.62	27.84	28.46	29.13	29.49	29.89	29.10
23	31.51	28.80	27.72	26.89	27.30	27.59	27.84	28.49	29.17	29.53	29.91	29.09
24	31.41	28.81	27.64	26.88	27.31	27.61	27.88	28.51	29.25	29.56	29.97	28.99
25	31.61	28.95	27.82	26.83	27.30	27.62	27.91	28.52	29.26	29.58	29.88	29.05
26	31.71	28.99	27.49	27.06	27.33	27.61	27.90	28.54	29.26	29.61	29.70	28.91
27	31.90	28.81	27.24	27.02	27.34	27.65	27.92	28.56	29.26	29.57	29.84	29.01
28	31.31	28.23	27.46	27.08	27.32	27.65	27.92	28.58	29.28	29.62	29.93	28.84
29	30.95	.....	27.86	26.99	27.34	27.61	27.94	28.60	29.28	29.65	29.93	28.81
30	31.27	.....	28.02	26.96	27.31	27.65	27.96	28.62	29.28	29.66	29.85	28.81
31	31.07	.....	27.71	.....	27.36	.....	27.98	28.64	.....	29.66	.....	28.87

53-8-2 Rubber Reserve Co. well RR-45. On Greenwood Road 0.2 mile west of Lower River Road. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	28.04	Feb. 3	26.67	Mar. 14	29.59	Aug. 1	33.62
20	27.48	9	23.17	21	28.00	Sept. 21	36.24
24	27.45	14	23.00	Apr. 4	28.49	Oct. 26	36.39
27	28.11	28	25.01	May 9	30.38	Dec. 12	28.66
Feb. 1	27.10	Mar. 7	27.54	June 16	31.62		

53-9-1 Henry Hufflage. At Arrowhead Farms on Lower River Road between Lower Hunters Trace and Greenwood Road. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	51.64	Feb. 3	49.66	Mar. 7	47.52	June 16	49.99
20	50.90	7	48.26	14	48.84	Aug. 1	51.56
24	49.99	9	47.45	21	48.26	Sept. 21	53.69
27	50.30	14	46.44	Apr. 4	47.55	Oct. 26	54.15
Feb. 1	49.62	28	46.55	May 9	49.13	Dec. 12	51.02

53-9-2 Mrs. A. J. Seibert. At Alvanna Farms on Lower River Road about 0.5 mile north of Greenwood Road. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	43.80	Feb. 3	41.23	Mar. 7	38.15	June 16	39.93
20	43.60	7	40.47	14	38.51	Aug. 1	41.13
24	42.36	9	39.71	21	37.86	Sept. 21	42.94
27	42.04	14	38.30	Apr. 4	37.37	Oct. 26	43.38
Feb. 1	41.22	28	37.90	May 9	39.44	Dec. 12	42.61

53-10-1 W. E. Miller. In Miller's Orchard on Lower River Road about 0.5 mile west of Lower Hunters Trace. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	34.33	Feb. 7	30.30	Mar. 14	35.26	Aug. 1	39.42
20	33.51	9	29.41	21	33.68	Sept. 21	42.33
24	33.30	14	28.47	Apr. 4	31.95	Oct. 26	42.76
27	34.28	28	30.80	May 9	35.96	Nov. 20	41.51
Feb. 1	33.35	Mar. 7	33.07	June 16	37.23	Dec. 12	34.80
3	32.86						

53-11-1 Rubber Reserve Co. well RR-43. On property of A. J. Miller on Lower River Road about 0.15 mile west of Lower Hunters Trace. Records available: 1945-50. Flooded Jan. 17, Feb. 7, 9.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	19.00	Feb. 14	15.58	Mar. 21	26.09	Aug. 1	35.99
24	22.12	28	22.98	Apr. 4	21.44	Sept. 21	39.36
27	23.84	Mar. 7	31.19	May 9	30.55	Oct. 26	40.24
Feb. 1	21.55	14	30.92	June 16	34.18	Dec. 12	21.36
3	19.51						

54-4-1 Rodney Williams. Lower River Road about 0.9 mile north of Watson Lane. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	40.02	May 9	46.92	Aug. 1	51.75	Oct. 26	54.34
Feb. 7	33.59	June 15	47.90	Sept. 21	54.18	Dec. 11	47.49
Apr. 4	38.60						

54-7-1 Rubber Reserve Co. well RR-44. On Mike Linnig's property west of Lower River Road and 0.2 mile north of Johnsontown Road. Records available: 1945-50. Feb. 27, 17.32; Apr. 13, 19.13; June 15, 25.63; Aug. 1, 26.95; Sept. 21, 30.07; Oct. 26, 30.60.

Johnson County

8245-3745-92 E. P. Welch. At residence on west bank of Levisa Fork 60 feet west of dead end of Kentucky Rural Highway 1042, 2.2 miles southeast of Thealka Post Office. Drilled domestic well, diameter 18 inches, depth 57.4 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 2, 1949	44.56	Feb. 6, 1950	37.13	Mar. 20, 1950	44.71	Apr. 29	47.22
Dec. 6	46.66	20	44.55	Apr. 1	43.61	May 3	46.32
Jan. 3, 1950	45.52	Mar. 6	46.24	17	46.51	15	40.76

8245-3745-92--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 22, 1950	44.62	June 19, 1950	46.86	July 31, 1950	45.29	Oct. 23, 1950	47.82
24	44.98	26	44.52	Aug. 14	47.91	Nov. 6	45.21
25	44.62	July 3	47.10	28	48.34	21	46.41
26	44.82	17	47.49	Sept. 11	47.45	Dec. 5	39.00
29	45.54	26	44.96	25	44.19	18	44.13
June 5	44.72	27	42.44	Oct. 9	47.90		

8245-3745-93 Albert Skauge. At residence on west bank of Levisa Fork 400 feet west of dead end of Kentucky Rural Highway 1042, 2.2 miles southeast of Thealka Post Office. Used drilled domestic well, diameter 6 inches, depth 78.6 feet. Records available: 1949-50.

Nov. 2, 1949	42.50	Apr. 29, 1950	44.47	June 19, 1950	44.02	Sept. 11, 1950	44.65
Dec. 6	43.74	May 3	43.84	26	41.70	25	41.62
Jan. 3, 1950	42.44	15	38.38	July 3	44.11	Oct. 9	44.89
Feb. 6	32.84	22	41.56	17	44.89	23	45.63
20	41.90	24	42.09	26	42.96	Nov. 6	43.03
Mar. 6	43.64	25	41.83	27	40.55	21	43.95
20	41.96	26	41.96	31	42.44	Dec. 5	37.33
Apr. 1	40.58	29	42.68	Aug. 14	45.17	18	41.24
17	43.30	June 5	41.84	28	45.63		

8245-3745-94 John Davis. In shed 30 feet west of Kentucky Rural Highway 1042, 1.85 miles southeast of Thealka Post Office. Used dug domestic well, diameter 18 inches, depth 21.8 feet. Records available: 1949-50.

Nov. 2, 1949	16.27	Apr. 17, 1950	11.87	June 26, 1950	8.57	Sept. 25, 1950	8.65
Dec. 6	15.98	29	13.44	July 3	10.59	Oct. 9	8.56
Jan. 3, 1950	10.60	May 3	12.41	17	11.35	23	7.50
Feb. 6	7.64	15	8.95	31	9.41	Nov. 6	8.10
20	9.80	29	7.53	Aug. 14	12.06	21	7.55
Mar. 6	11.68	June 5	7.31	28	13.06	Dec. 5	8.05
20	9.33	19	8.69	Sept. 11	11.23	18	9.31
Apr. 1	10.20						

8245-3745-152 Mrs. Maria L. Rice. At residence on east bank of Levisa Fork 250 feet north of Kentucky Highway 40, 1.7 miles east of Paintsville Post Office and about 300 feet east of drive-in theater. Drilled unused domestic well, diameter 6 inches, depth 59.5 feet. Measurement discontinued. Records available: 1949-50.

Nov. 4, 1949	46.92	Apr. 17, 1950	46.69	May 29, 1950	45.94	July 31, 1950	45.86
Dec. 6	47.96	29	47.97	June 5	45.31	Aug. 14	48.68
Jan. 3, 1950	46.18	May 3	47.72	19	47.53	28	49.27
Feb. 6	35.40	16	43.01	26	45.18	Sept. 11	47.90
20	44.58	22	44.50	July 3	47.35	25	45.14
Mar. 6	47.00	24	45.13	17	48.48	Oct. 9	48.45
20	45.72	25	45.10	26	47.14	23	49.27
Apr. 1	44.17	26	45.21	27	45.15	Nov. 6	46.96

8245-3745-155 Mrs. Lucy Hall. On back porch of two-story residence 120 feet north of Kentucky Highway 40, 1.25 miles east of Paintsville Post Office and about 75 feet west of drive-in theater. Used drilled domestic well, diameter 6 inches, depth 96 feet. Records available: 1949-50.

Nov. 4, 1949	52.49	Apr. 29, 1950	50.78	June 19, 1950	50.58	Sept. 11, 1950	50.26
Dec. 6	52.02	May 3	49.67	26	50.39	25	51.66
Jan. 3, 1950	50.11	15	51.10	July 3	53.41	Oct. 9	49.73
Feb. 6	47.24	22	50.39	17	49.73	23	50.04
20	47.08	24	50.77	26	50.57	Nov. 6	50.54
Mar. 6	47.88	25	50.39	27	52.06	21	50.25
20	49.14	26	49.26	31	51.32	Dec. 5	51.32
Apr. 1	49.64	29	48.92	Aug. 14	51.64	18	48.33
17	50.19	June 5	48.81	28	52.07		

8245-3750-149 J. K. Van Hoose. On porch of residence 50 feet south of Kentucky Highway 581, 0.8 mile southeast of Nippa Post Office. Used dug domestic well, diameter unknown, depth 16.0 feet. Records available: 1949-50.

8245-3750-149--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 4, 1949	7.67	Apr. 1, 1950	5.82	July 3, 1950	6.65	Oct. 9, 1950	6.40
Dec. 6	7.99	17	7.28	17	7.11	23	6.62
Jan. 3, 1950	5.64	29	7.55	31	5.74	Nov. 6	5.08
Feb. 6	4.22	May 15	6.86	Aug. 14	7.50	21	5.26
20	5.87	29	6.24	28	7.95	Dec. 5	4.50
Mar. 6	7.44	June 5	4.98	Sept. 11	6.42	18	5.80
20	6.14	19	6.02	25	4.47		

8245-3750-150 Jess Burchett. At residence 300 feet north of Kentucky Highway 581, 0.8 mile southeast of Nippa Post Office. Used dug and drilled domestic well, diameter 24 inches to depth of 24 feet and 6 inches to depth of 77.6 feet. Water levels reflect the combined fluctuations of shallow ground water in unconsolidated material and ground water in bedrock. Records available: 1949-50.

Nov. 4, 1949	6.80	Apr. 1, 1950	4.96	July 3, 1950	7.32	Oct. 9, 1950	5.38
Dec. 6	12.10	17	6.36	17	7.20	23	5.65
Jan. 3, 1950	2.64	29	7.01	31	6.67	Nov. 6	2.53
Feb. 6	4.00	May 15	5.42	Aug. 14	7.88	21	1.76
20	6.38	29	5.55	28	9.77	Dec. 5	1.80
Mar. 6	6.25	June 5	3.08	Sept. 11	6.79	18	5.23
20	4.26	19	3.25	25	5.20		

8250-3745-36 W. M. Senters. On back porch of two-story residence 45 feet southeast of Big Sandy and Kentucky River railroad tracks, 300 feet northeast of Denver Post Office. Used dug domestic well, diameter unknown, depth 16.7 feet. Records available: 1949-50.

Nov. 2, 1949	10.20	Apr. 1, 1950	7.97	July 3, 1950	8.45	Oct. 9, 1950	8.28
Dec. 6	10.29	17	8.70	17	9.05	23	8.73
Jan. 3, 1950	9.47	29	9.00	31	7.94	Nov. 6	7.70
Feb. 6	5.92	May 15	9.22	Aug. 14	8.92	21	7.88
20	7.63	29	8.78	28	9.42	Dec. 5	6.95
Mar. 6	8.48	June 5	7.90	Sept. 11	8.52	18	7.87
20	8.08	19	8.03	25	6.55		

8250-3745-37 W. M. Senters. In front of barn behind two-story house 100 feet southeast of Big Sandy and Kentucky River railroad tracks, 300 feet northeast of Denver Post Office. Used drilled stock well, diameter 6 inches, depth 53.0 feet. Records available: 1949-50.

Nov. 2, 1949	9.73	Apr. 1, 1950	8.33	July 3, 1950	8.52	Oct. 9, 1950	8.99
Dec. 6	10.11	17	9.13	17	9.61	23	9.13
Jan. 3, 1950	8.65	29	9.40	31	8.29	Nov. 6	7.79
Feb. 6	7.10	May 15	9.27	Aug. 14	9.59	21	8.04
20	8.30	29	8.87	28	9.92	Dec. 5	7.32
Mar. 6	9.02	June 5	7.84	Sept. 11	9.00	18	8.53
20	8.40	19	8.62	25	7.65		

8250-3750-11 Mayford E. Estep. Beside back porch of residence 100 feet south of Kentucky Rural Highway 1030, 0.4 mile west of Volga Post Office. Used drilled domestic well, diameter 6 inches, depth 72 feet. Records available: 1949-50.

Nov. 7, 1949	44.55	Apr. 1, 1950	42.90	June 19, 1950	43.07	Sept. 25, 1950	42.82
Dec. 6	45.22	17	43.17	July 3	43.07	Oct. 9	42.56
Jan. 3, 1950	43.95	29	43.55	17	42.96	23	42.69
Feb. 6	42.74	May 3	43.44	31	42.33	Nov. 6	42.61
20	43.30	15	43.30	Aug. 14	43.10	21	42.74
Mar. 6	43.46	29	43.39	28	43.60	Dec. 5	42.50
20	43.52	June 5	43.06	Sept. 11	42.99	18	42.69

8250-3750-12 H. D. Picklesimer. In field 100 feet behind residence which is 35 feet north of Kentucky Rural Highway 1030, 0.4 mile west of Volga Post Office. Used dug domestic well, diameter 36 inches, depth 14.7 feet. Records available: 1949-50.

Nov. 7, 1949	6.84	Apr. 1, 1950	6.52	June 19, 1950	3.46	Sept. 25, 1950	6.55
Dec. 6	6.80	17	7.01	July 3	7.02	Oct. 9	6.50
Jan. 3, 1950	6.43	29	7.08	17	6.44	23	6.41
Feb. 6	6.40	May 3	6.85	31	6.63	Nov. 6	6.44
20	3.30	15	6.63	Aug. 14	7.13	21	5.90
Mar. 6	6.97	29	6.81	28	7.40	Dec. 5	5.91
20	6.42	June 5	6.14	Sept. 11	6.97	18	6.58

8250-3750-13 Frank Lemaster. In front yard of residence 20 feet east of Kentucky Highway 172, 0.75 mile south of Volga Post Office. Used drilled domestic well, diameter 6 inches, depth 31.2 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 5	10.80	July 27	10.61	Sept. 11	11.61	Nov. 6	11.02
19	9.26	31	11.39	25	11.25	21	10.69
July 3	11.83	Aug. 14	11.92	Oct. 9	11.35	Dec. 5	10.82
17	11.54	28	11.95	23	10.97	18	11.34
26	9.24						

8250-3750-26 Sanford Blanton. On west side of Kentucky Highway 172, in front of residence 0.8 mile south of Volga Post Office. Used dug domestic well, diameter unknown, depth 17.2 feet. Records available: 1950.

June 5	15.23	July 27	15.71	Sept. 11	15.51	Nov. 6	14.51
19	15.61	31	15.74	25	14.65	21	14.87
July 3	15.89	Aug. 14	16.26	Oct. 9	15.10	Dec. 5	14.57
17	16.07	28	16.27	23	15.01	18	14.60
26	15.82						

Kenton County

8430-3900-15 C. Weisman. 6 feet from house at Devonshire Farm on west side of Turkey Foot Road, 1.0 mile south of Dudley Pike. Unused dug domestic well, diameter 60 inches, depth 31 feet. Records available: 1950.

Jan. 30	15.32	Apr. 14	15.72	June 23	16.28	Sept. 1	17.94
Feb. 8	15.40	28	15.96	July 7	16.32	15	17.40
22	15.46	May 12	15.99	21	17.28	Oct. 4	16.20
Mar. 15	15.65	26	16.06	Aug. 4	17.33	19	16.20
29	15.49	June 9	16.13	17	17.46	Nov. 6	16.87

8430-3900-17 B. H. Buckshorn. In front of house 0.2 mile north of Dudley Pike 50 feet west of Charter Oak Road. Used dug domestic well, diameter 60 inches, depth 34.7 feet. Records available: 1950.

Jan. 30	26.61	Apr. 14	26.71	June 23	26.78	Sept. 1	28.53
Feb. 8	26.67	28	26.64	July 7	26.69	15	25.43
22	26.69	May 12	26.75	21	26.90	Oct. 4	26.40
Mar. 15	26.76	26	26.79	Aug. 4	26.38	19	26.34
29	26.79	June 9	26.82	17	27.41	Nov. 6	26.48

8430-3900-46 K. Goedde. In field in Bankhick valley 0.1 mile south of intersection of Madison Pike and Dudley Pike about 100 yards east of Madison Pike. Unused drilled stock well, diameter 6 inches, depth 69.1 feet. Records available: 1950.

Jan. 30	6.20	Apr. 14	6.38	June 23	7.52	Sept. 1	8.99
Feb. 8	6.25	28	6.62	July 7	8.03	15	8.97
22	6.29	May 12	6.70	21	8.21	Oct. 4	8.73
Mar. 15	6.37	26	6.82	Aug. 4	8.26	19	8.72
29	6.32	June 9	7.01	17	8.97	Nov. 6	8.79

8430-3900-54 T. Lankheit. Near barn south of house on west side of Crescent Springs and Bromley Pike 0.5 mile north of Amsterdam Road. Used dug domestic well, diameter 36 inches, depth 22 feet. Records available: 1950.

Jan. 30	4.52	Apr. 14	4.50	June 23	4.79	Sept. 1	4.95
Feb. 8	4.56	28	4.63	July 7	4.84	15	4.73
22	4.51	May 12	4.71	21	4.78	Oct. 4	4.91
Mar. 15	4.56	26	4.76	Aug. 4	4.63	19	4.88
29	4.52	June 9	4.72	17	5.17	Nov. 6	4.86

8430-3900-58 C. Jackson. Near house on south side of Amsterdam Road 0.1 mile east of intersection with Crescent Springs and Bromley Pike. Unused drilled domestic well, diameter 6 inches, depth 70 feet. Records available: 1950.

Jan. 30	7.32	Mar. 15	7.36	Apr. 28	7.44	June 9	7.40
Feb. 8	7.33	29	7.41	May 12	7.41	23	7.48
22	7.33	Apr. 14	7.46	26	7.42	July 7	7.56

8430-3900-58--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 21	7.89	Aug. 17	9.21	Sept. 15	8.41	Oct. 19	9.06
Aug. 4	7.61	Sept. 1	10.13	Oct. 4	9.24	Nov. 6	9.09

8430-3900-77 L. Hagedorn. Behind house on north side of Buttermilk Pike 0.1 mile west of U. S. Highway 24. Dug domestic well, diameter 60 inches, depth 18 feet. Records available: 1950.

Jan. 30	4.54	Apr. 14	4.64	June 23	6.11	Sept. 1	9.09
Feb. 8	4.62	28	4.80	July 7	6.20	15	6.33
22	4.60	May 12	5.02	21	7.10	Oct. 4	5.28
Mar. 15	4.58	26	5.26	Aug. 4	6.22	19	5.00
29	4.62	June 9	5.64	17	8.39	Nov. 6	6.56

8430-3900-80 Summe & Ratterman. At 224 East 20th Street, Covington, in truck garage at rear of store. Abandoned drilled industrial well, diameter 6 inches, depth 150 feet. Records available: 1950.

July 21	41.22	Aug. 25	41.51	Sept. 15	41.17	Oct. 19	40.75
Aug. 4	41.38	Sept. 1	41.41	22	40.92	Nov. 6	40.64
11	41.58	8	41.29	Oct. 4	40.93	14	40.60
17	41.45						

8430-3900-86 R. R. Scott. Behind house on southeast side of High Water Road 0.5 mile north of Amsterdam Road. Used dug domestic well, diameter 36 inches, depth 28 feet. Records available: 1950.

Jan. 30	8.61	Apr. 14	8.46	June 23	8.32	Sept. 1	9.99
Feb. 8	8.48	28	8.60	July 7	8.10	15	5.51
22	8.49	May 12	8.54	21	7.94	Oct. 4	8.30
Mar. 15	8.33	26	8.49	Aug. 4	9.48	19	8.70
29	8.22	June 9	8.43	17	10.55	Nov. 6	9.37

8430-3900-94 M. Driggs. Behind house about 0.1 mile north of Beechwood Road 1.6 mile southeast of railroad crossing. Used dug domestic well, diameter 36 inches, depth 30 feet. Measurement discontinued October 4, 1950. Records available: 1950.

Jan. 30	11.47	Apr. 14	11.45	June 23	11.48	Aug. 17	11.67
Feb. 8	11.45	28	11.41	July 7	11.51	Sept. 1	11.10
22	11.48	May 12	11.45	21	10.53	15	10.24
Mar. 15	11.45	26	11.49	Aug. 4	10.11	Oct. 4	11.64
29	11.47	June 9	11.42				

8430-3905-15 City Ice and Fuel Company. At Second and Scott Sts., Covington, in shed at rear of inner courtyard about 100 yards from edge of Ohio River. Abandoned drilled industrial well, diameter 36 inches, depth 86 feet. Records available: 1950.

June 23	46.06	Aug. 17	51.78	Sept. 22	47.09	Dec. 8	31.48
July 7	46.01	25	51.51	Oct. 4	47.24	9	30.16
21	48.96	Sept. 1	51.55	19	48.22	10	28.85
Aug. 4	50.10	3	49.87	Nov. 6	48.23	11	27.94
11	50.79	15	50.01	14	44.78	12	27.23

8435-3900-9 William Kues. In front lawn near house on west side of Amsterdam Road 0.3 mile from Collins Road. Unused dug domestic well, diameter 36 inches, depth 14.5 feet. Records available: 1950.

Jan. 30	3.63	Apr. 14	3.64	June 23	4.56	Sept. 1	5.28
Feb. 8	3.66	28	3.72	July 7	4.67	15	4.24
22	3.69	May 12	3.78	21	4.46	Oct. 4	4.30
Mar. 15	3.74	26	4.03	Aug. 4	4.02	19	4.44
29	3.71	June 9	4.39	17	5.79	Nov. 6	4.68

McCracken County

8830-3655-129 Jack Reid. On north side of Reid's Grocery, 200 feet north of intersection of Oaks Road and Nashville, Chattanooga & St. Louis Railway. Unused dug domestic well, diameter 24 inches, depth 36 feet. Records available: 1950.

8830-3655-129--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 10	24.22	Nov. 7	25.02	Dec. 4	21.25	Dec. 20	17.12
23	24.76	22	21.21				

8830-3655-249 O. R. Milliken. Northwest corner of intersection of Oaks and Lydon Roads. Abandoned dug domestic well, diameter 24 inches, depth 32 feet. Records available: 1950.

Aug. 10	11.33	Sept. 25	10.43	Nov. 6	12.31	Dec. 4	7.16
28	11.12	Oct. 10	11.68	21	7.53	20	7.21
Sept. 11	8.61	23	12.10				

8830-3700-31 R. J. Dees. 300 feet northwest of junction of U. S. Highway 68 and Kentucky Highway 284, on south side of Kentucky Highway 284. Unused dug domestic well, diameter 24 inches, depth 47 feet. Records available: 1950. Sept. 25, 44.84; Oct. 10, 44.74; Oct. 23, 44.77; Nov. 6, 44.80; Nov. 21, 44.80; Dec. 4, 44.82; Dec. 20, 44.87.

8830-3700-112 T. C. Brokaw. In Paducah, 218 Main Street. Unused drilled domestic well, diameter 6 inches, depth 23 feet. Records available: 1950.

July 10	14.64	Aug. 28	15.52	Oct. 10	14.45	Nov. 21	8.00
17	15.11	Sept. 11	7.61	23	14.42	Dec. 4	9.13
31	15.25	25	15.07	Nov. 6	15.18	20	10.57
Aug. 14	15.07						

8830-3700-135 Mrs. J. C. Morgan. 0.2 mile northwest of Woodlawn, 250 feet from Highway 284 at end of Meachem Lane. Abandoned dug domestic well, diameter 24 inches, depth 38.5 feet. Records available: 1950.

July 26	8.67	Aug. 28	8.99	Oct. 10	7.91	Nov. 21	3.74
31	8.96	Sept. 11	4.66	23	8.09	Dec. 4	4.30
Aug. 14	8.52	25	7.04	Nov. 6	8.33	20	5.43

8830-3700-144 L. B. Stinson. 1,000 feet southwest of Clark Memorial Bridge and 300 feet north of U. S. Highway 60. Unused drilled public supply well, diameter 6 inches, depth 277.5 feet. Recording gage installed December 12, 1950. Records available: 1950.

Daily noon water level, from recorder graph

Oct. 23	85.42	Dec. 14	79.37	Dec. 20	78.10	Dec. 26	81.40
Nov. 6	86.61	15	79.09	21	78.26	27	82.04
21	85.51	16	78.83	22	78.62	28	82.53
Dec. 4	83.27	17	78.55	23	79.24	29	82.99
12	80.10	18	78.32	24	79.98	30	83.37
13	79.75	19	78.11	25	80.69	31	83.84

8835-3655-76 Jessie Thompson. South side of Thompson's Grocery, 1.8 miles north of Freemont on Old Mayfield Road. Abandoned dug domestic well, diameter 24 inches, depth 46 feet. Records available: 1950.

Oct. 5	42.93	Oct. 23	43.02	Nov. 22	42.73	Dec. 20	42.99
10	42.92	Nov. 7	42.90	Dec. 4	42.90		

8835-3655-121 Mrs. Beulah Nance. 0.6 mile south of Freemont and 0.2 mile west of Old Mayfield Road. Unused drilled domestic well, diameter 6 inches, depth 71 feet. Records available: 1950. Oct. 16, 61.06; Nov. 7, 60.89; Nov. 22, 60.40; Dec. 4, 60.87; Dec. 20, 61.04.

8835-3700-135 Terrell Floral Co. In Paducah, 3200 Lovelaceville Road in well shed 50 feet east of greenhouse. Abandoned dug public supply and domestic well, diameter 144 inches, depth 73 feet. Records available: 1950.

July 17	38.05	Aug. 28	36.62	Oct. 10	37.30	Nov. 21	31.35
31	36.53	Sept. 11	31.82	23	37.09	Dec. 4	34.37
Aug. 14	35.98	25	36.17	Nov. 6	37.42	20	35.89

8835-3705-6 Herman Wallace. In Paducah, 1302 North 8th Street, 40 feet west of house.
Abandoned dug domestic well, diameter 36 inches, depth 40 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 10	13.23	Aug. 28	11.23	Oct. 10	11.09	Nov. 21	8.24
17	12.23	Sept. 11	9.02	23	11.31	Dec. 4	8.79
31	11.39	25	10.51	Nov. 6	11.27	20	9.58
Aug. 11	11.12						

MARYLAND

By Claire A. Richardson

Scope of Water-Level Program

The observation-well program in Maryland was continued during 1950 in cooperation with the State Department of Geology, Mines and Water Resources. Measurements were made in 93 wells, 8 of which were equipped with recording gages.

Precipitation

The annual precipitation in Maryland, in 1950, was 43.36 inches, which is 1.45 inches above normal. Except for September, when the precipitation was 3.44 inches above normal, the precipitation was uniformly distributed throughout the year.

Interpretation of Water-Level Fluctuations

Measurements were made in the western part of the State (in the Appalachian Plateau and Ridge and Valley provinces) in 12 observation wells. Nearly all of the water levels in wells in this area showed a net rise for the year, the average net rise being 5.71 feet, and the maximum 18.06 feet. Measurements were made in 15 observation wells in the Piedmont province, in the central part of the State. The fluctuations of water levels in nearly all of these wells showed a net rise for the year, the average net rise being 3.15 feet, and the maximum 10.48 feet. The water levels in two wells reached a record high in November and December. Measurements were made in 43 observation wells in the western part of the Coastal Plain province, outside the Baltimore industrial area. The water levels in about half of the wells showed a net decline for the year; nevertheless, the average net change was a rise of 0.34 foot. The water levels in wells in the southern part of this area reached a record high in March and April. Measurements were made in 23 observation wells in the Baltimore area. The water levels in about half of the wells in this heavily pumped area showed a net decline for the year, but the average net change was a rise of 2.87 feet. Water levels in the Harbor, Curtis Bay, and Fairfield districts showed net rises of from 0.54 foot to 34.84 feet. The average net change in the Sparrows Point district was a decline of 10.63 feet. It is difficult to determine the general trend of the water-level fluctuations in the Baltimore area because relatively abrupt changes in pumping rates cause the water levels to fluctuate widely within a short period of time. These abrupt changes in pumping rates cannot be determined accurately as only a small percentage of the ground water used in the Baltimore area is metered. However, these abrupt changes in pumping rates are not reflected in the short-period fluctuations of water levels in wells at a relatively great distance from the center of pumpage in the industrial area. Figure 13 shows that fluctuations in well AA-Ad 29, depth 530 feet, in the northern part of Anne Arundel County, due to changes in pumping rates over short periods of time are dampened so as to be essentially unnoticeable. The larger net changes in the rates of pumpage, over longer periods of time, are reflected in the gradual rise or decline of the water level. This water-level graph indicates that during 1950 there was essentially no net change in the rate of pumping from the main aquifer (the Patuxent formation) in the Baltimore area.

Well-Numbering System

The numbers assigned to the observation wells in Maryland indicate their location. The wells are first grouped by counties, or under "Baltimore City" if they are situated within the corporate limits of Baltimore. For the wells outside of Baltimore, the system is applied to the counties by means of the 5-minute longitude and latitude lines. A typical number is divided by hyphens into three parts, as Bal-Gf-51, the first part representing the county, the second the position of the well as indicated on the county map by 5-minute quadrangles, and the third, the number of the well in a particular 5-minute quadrangle. Because of the great number of wells in Baltimore City and their concentration in a small area, a special numbering system is used to identify them. All wells within the city limits are referred to mile squares, which are in turn referred to the Washington Monument, which is considered the center of the city. The well 2S3E-9 is in the square mile that is 2 miles south and 3 miles east of the Washington Monument, and the figure 9 indicates that it is the ninth well observed in that square mile.

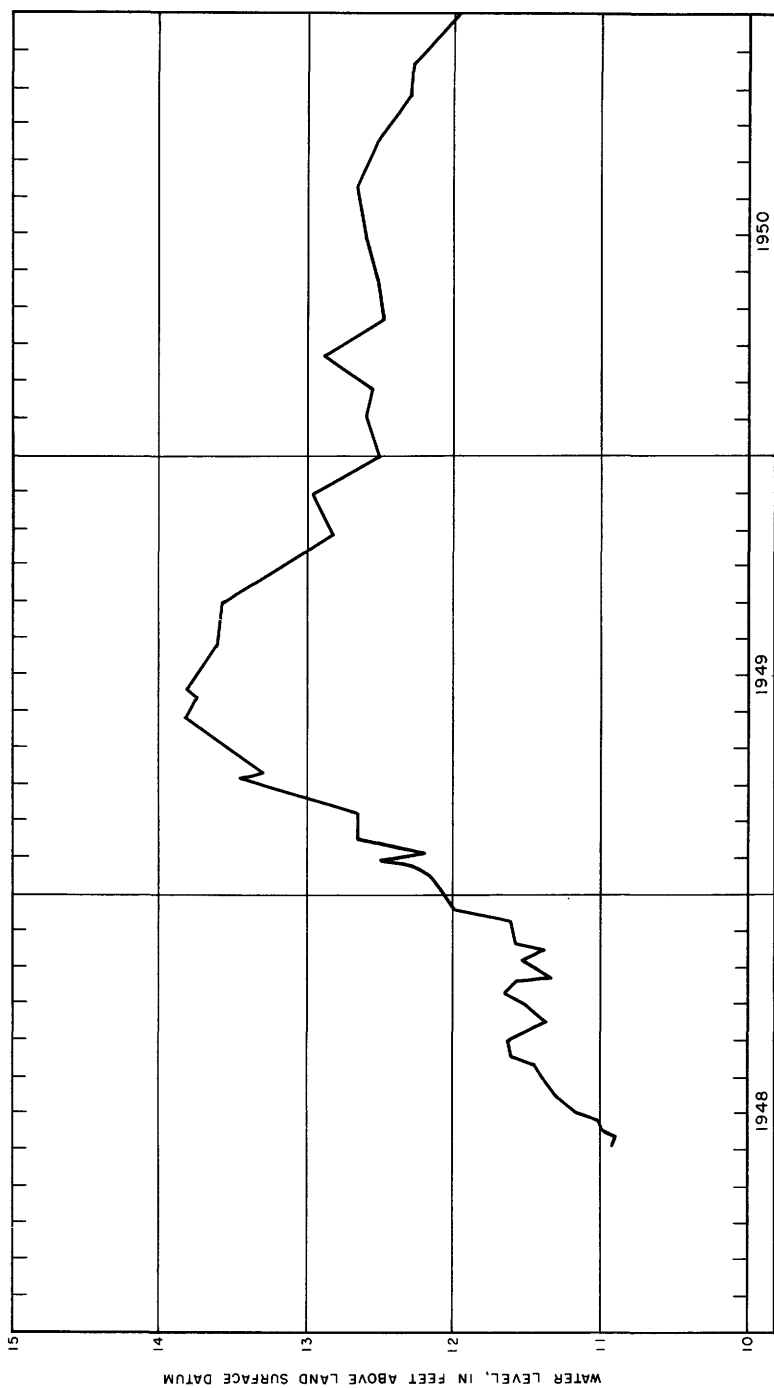


Figure 13.--Fluctuations of water level in well AA-Ad 29 in Glen Burnie, Md., 1948-50.

Well Descriptions and Water-Level Measurements

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

Baltimore City

4N2W-9. Baltimore Country Club. In Baltimore, at Falls and Harvest Rds. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	10.30	Apr. 27	10.87	July 20	11.11	Nov. 28	11.19
27	10.69	May 24	9.71	Sept. 29	11.52	Dec. 27	10.90
Apr. 5	10.18	June 26	11.01	Oct. 27	11.28		

1S3E-12. Kimball Tyler Co. In Baltimore, at Haven and Gough Sts. Records available: 1944-50.

Feb. 2	114.93	Apr. 28	115.00	July 26	114.17	Nov. 28	111.60
27	115.79	May 24	113.67	Sept. 29	117.62	Dec. 28	111.45
Apr. 5	113.36	June 26	113.99	Oct. 31	113.70		

2S1E-16. Buck Glass Co. In Baltimore, at Lawrence St. and Fort Ave. Records available: 1944-50.

Feb. 28	39.74	May 24	44.73	Aug. 18	46.33	Oct. 26	46.21
Mar. 28	48.82	June 28	47.37	Sept. 19	45.86	Nov. 20	46.85
Apr. 28	48.44						

2S3E-11. J. S. Young Co. In Baltimore, at Boston St. and Luzerne Ave. Records available: 1943-50.

Feb. 2	33.07	Apr. 28	33.17	July 26	31.09	Nov. 28	31.23
27	34.26	May 24	32.26	Sept. 29	36.02	Dec. 28	32.01
Apr. 5	33.39	June 26	31.64	Oct. 31	31.83		

2S5E-1. U. S. Army. Holabird Ave. at Pumphrey St. Records available: 1943-50.

Feb. 2	94.64	Apr. 28	97.66	July 26	87.36	Dec. 7	98.18
27	95.70	May 25	94.12	Sept. 29	100.97	28	94.42
Apr. 5	95.35	June 26	88.39	Oct. 31	97.50		

2S5E-4. U. S. Army. Holabird Ave. at Pumphrey St. Records available: 1943-50. Measurement discontinued.

Feb. 2	85.66	Apr. 28	86.72	June 26	87.14	Sept. 29	78.70
27	85.99	May 25	86.80	July 26	87.29	Oct. 31	76.50
Apr. 5	86.39						

3S5E-3. Federal Yeast Corp. In Baltimore, 2.25 miles south and 4.09 miles east of Washington Monument. Records available: 1943-50.

Feb. 2	41.41	Apr. 28	43.58	July 26	42.04	Dec. 7	43.58
27	41.88	May 25	44.25	Sept. 29	43.15	28	43.15
Apr. 5	42.79	June 26	41.91	Oct. 31	43.65		

4S2E-4. Weyerhaeuser Lumber Co. In Baltimore, 30 feet east of Childs St. and 800 feet southwest of docks. Records available: 1945-47. Measurement discontinued.

4S3E-3. Virginia-Carolina Chemical Corp. In Baltimore, 3.83 miles south and 2.25 miles east of Washington Monument. Records available: 1947-50.

Daily high and low water levels from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	53.20	55.17	54.36	55.02	55.65	57.05	56.54	60.57	45.96	46.51	.....	.....
2	51.73	53.20	55.02	55.51	57.02	58.09	53.83	56.54	46.17	47.12	.....	.....
3	50.75	51.73	55.51	56.34	58.04	58.91	52.43	53.83	46.74	47.99	.....	.....
4	.....	.....	55.09	56.30	57.91	58.97	52.11	54.00	47.64	48.54	.....	.....
5	.....	.....	53.00	55.09	56.41	57.94	54.00	56.12	48.14	49.04	.....	.....
6	.....	.....	51.92	53.00	56.04	56.52	56.12	57.50	.....	.....	.....	.....
7	.....	.....	52.11	53.61	56.11	56.57	57.50	58.23	.....	.....	.....	.....
8	.....	.....	53.61	54.03	56.47	57.13	56.03	58.04	.....	.....	.....	.....
9	.....	.....	53.56	54.14	57.13	59.22	53.05	56.03	.....	.....	.....	.....
10	.....	.....	54.14	54.98	59.22	59.91	52.10	53.05	.....	.....	.....	.....
11	.....	.....	54.00	55.16	59.33	59.98	52.62	55.45	.....	.....	.....	.....
12	.....	.....	52.43	54.00	58.30	59.33	55.45	57.79	.....	.....	.....	.....

4S3E-3--Continued.

Daily high and low water levels from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
13	.....	.....	52.00	52.80	57.43	58.35	57.76	59.56	.....	.....	.....	.....
14	.....	.....	52.80	53.78	58.21	59.25	57.38	60.21	.....	.....	.....	.....
15	.....	.....	53.78	54.56	58.95	59.56	53.40	57.38	.....	.....	.....	.....
16	.....	.....	54.56	55.30	59.56	60.10	50.10	53.40	.....	.....	.....	.....
17	.....	.....	55.30	57.31	59.36	60.37	48.50	50.10	.....	.....	.....	.....
18	.....	.....	56.56	57.04	57.19	59.36	48.19	49.31	.....	.....	.....	.....
19	.....	.....	55.27	56.56	54.93	57.19	49.10	49.50	.....	.....	.....	.....
20	.....	.....	55.27	55.84	54.20	55.88	49.35	50.21	.....	.....	.....	.....
21	.....	.....	55.33	55.95	55.88	57.69	50.18	50.74	.....	.....	.....	.....
22	.....	.....	55.35	55.93	57.69	58.04	50.18	50.90	.....	.....	.....	.....
23	.....	.....	55.82	56.62	57.82	59.26	48.01	50.18	.....	.....	.....	.....
24	.....	.....	56.32	56.99	59.26	60.05	46.94	48.01	48.48	49.40	.....	.....
25	.....	.....	56.99	57.89	57.10	60.05	47.27	48.40	49.38	49.92	.....	.....
26	54.62	55.29	.....	.....	53.91	57.10	48.40	49.65	49.57	50.27	.....	.....
27	55.29	56.65	.....	.....	52.82	53.91	49.65	50.31	48.26	50.22	.....	.....
28	55.33	56.63	55.76	56.50	53.36	56.89	49.94	50.64	46.32	48.26	44.86	45.40
29	52.90	55.33	.....	.....	56.89	58.63	48.02	50.32	45.25	46.32	44.89	45.40
30	52.70	53.63	.....	.....	58.63	60.05	45.96	48.02	.....	.....	.....	.....
31	53.63	54.36	.....	.....	59.83	60.54	.....	.....	.....	.....	.....	.....

Daily high and low water levels from recorder graph

[illegible]

5S3E-15. U. S. Industrial Chemical Co. well 1701. In Baltimore, 50 feet north of Patapsco and 800 feet west of Fairfield Road. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	91.02	May 24	103.70	Aug. 18	90.98	Oct. 26	88.49
Mar. 24	98.86	June 28	80.50	Sept. 27	89.89	Nov. 20	84.72
Apr. 27	100.78						

5S3E-16. U. S. Industrial Chemical Co. well 1702. In Baltimore, 150 feet north of Patapsco Road. Records available: 1945-50. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	111.14	May 24	91.95	Aug. 18	73.72	Oct. 26	69.86
Mar. 24	111.67	June 28	66.09	Sept. 27	70.96	Nov. 20	72.63
Apr. 27	75.34						

6S2E-6. U. S. Industrial Alcohol Co. Baltimore, at Birch St. and Curtis Ave. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	63.92	May 24	67.78	Aug. 18	57.42	Oct. 26	57.64
Mar. 24	64.15	June 28	65.71	Sept. 27	61.23	Nov. 20	58.03
Apr. 27	70.13						

6S2E-9. U. S. Industrial Alcohol Co. well 3929. Baltimore. Benhill and Andard Sts. Records available: 1945-46. Measurement discontinued.

Allegany County

All-Ag 1. Methodist Church. Flintstone. Records available: 1946-50. Measurement discontinued. Jan. 19, 4.42; Feb. 10, 1.06; Mar. 21, 0.83; Apr. 14, 3.82; June 6, 1.89; June 9, 2.36.

All-Ah 1. State of Maryland. Green Ridge State Forest. Drilled public supply well, diameter 8 inches, reported depth 300 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 1, 1949	4.68	July 15, 1950	5.5	Sept. 15, 1950	4.4	Nov. 18, 1950	4.66
June 15, 1950	4.8	Aug. 1	4.7	Oct. 16	4.4	Dec. 15	3.89
30	5.4	15	5.7	25	4.22	30	2.18

All-Bd 2. Cumberland Brewing Co. Cumberland. Henderson and Valley Sts. Records available: 1946-50. Jan. 19, 12.95; Feb. 1, 9.78; Apr. 4, 11.39; June 6, 11.20; June 9, 10.65.

All-Da 1. Cumberland & Pennsylvania Railroad Co. Westernport. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	3.37	June 5	3.90	Aug. 8	4.85	Oct. 25	4.15
Feb. 9	2.38	6	4.02	Sept. 14	3.95	Nov. 10	3.23
Mar. 18	2.72	July 14	4.48	Oct. 19	3.72	Dec. 8	1.82
Apr. 14	3.46						

Anne Arundel County

AA-Ad 10. U. S. Army Ordnance Depot well 3. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	33.40	May 24	32.98	Aug. 18	32.84	Oct. 26	33.18
Mar. 24	33.00	June 28	33.03	Sept. 27	33.22	Nov. 20	32.96

Measurement discontinued in wells AA-Ad 24 and AA-Ad 27.

AA-Ad 29. Anne Arundel Sanitary Commission. Lat. 39°10'18", long. 76°37'02". Glen Burnie. Records available: 1948-50.

Daily high and low water levels, above land-surface datum, from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	12.43	12.36	12.60	12.50	.....	.....	12.67	12.58	12.47	12.42	12.59	12.55
2	12.54	12.43	12.74	12.56	.....	.....	12.67	12.63	12.48	12.47	12.55	12.45
3	12.70	12.54	12.74	12.53	.....	.....	12.74	12.67	12.51	12.48	12.58	12.46
4	12.73	12.68	.....	.....	.....	.....	12.79	12.74	12.54	12.49	12.65	12.57
5	12.69	12.64	.....	.....	.....	.....	12.80	12.75	12.55	12.54	12.65	12.57
6	12.82	12.65	.....	.....	.....	.....	12.75	12.61	12.55	12.54	12.57	12.54
7	12.83	12.56	.....	.....	.....	.....	12.61	12.53	12.55	12.53	12.54	12.47

AA-Ad 29--Continued.

Daily high and low water levels, above land-surface datum, from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
8	12.56	12.38	.....	.....	.....	.....	12.56	12.54	12.55	12.37	12.48	12.46
9	12.54	12.42	.....	.....	.....	.....	12.56	12.49	12.40	12.36	12.54	12.47
10	12.70	12.54	.....	.....	.....	.....	12.49	12.45	12.54	12.40	12.64	12.54
11	12.70	12.43	.....	.....	.....	.....	12.69	12.48	12.54	12.48	12.65	12.60
12	12.47	12.37	.....	.....	.....	.....	12.70	12.62	12.52	12.50	12.60	12.48
13	12.61	12.45	.....	.....	.....	.....	12.65	12.62	12.59	12.52	12.49	12.46
14	12.70	12.57	.....	.....	.....	.....	12.62	12.56	12.59	12.55	12.60	12.49
15	12.57	12.47	.....	.....	.....	.....	12.56	12.49	12.65	12.56	12.62	12.56
16	12.63	12.50	.....	.....	.....	.....	12.50	12.44	12.65	12.58	12.62	12.57
17	12.50	12.42	.....	.....	.....	.....	12.56	12.49	12.59	12.54	12.68	12.62
18	12.72	12.50	.....	.....	.....	.....	12.58	12.56	12.60	12.57	12.67	12.55
19	12.69	12.53	.....	.....	.....	.....	12.58	12.57	12.60	12.50	12.63	12.57
20	12.53	12.37	.....	.....	.....	.....	12.64	12.59	12.50	12.45	12.65	12.63
21	12.50	12.37	.....	.....	.....	.....	12.62	12.57	12.45	12.45	12.65	12.65
22	12.63	12.50	.....	.....	.....	.....	12.57	12.44	12.46	12.44	12.65	12.59
23	12.65	12.63	.....	.....	.....	.....	12.60	12.45	12.47	12.45	12.60	12.60
24	12.66	12.65	.....	.....	12.88	12.81	12.60	12.57	12.55	12.47	12.70	12.60
25	12.66	12.57	.....	.....	12.82	12.72	12.57	12.54	12.55	12.52	12.75	12.70
26	12.68	12.58	.....	.....	12.72	12.63	12.58	12.55	12.52	12.50	12.72	12.68
27	12.68	12.50	.....	.....	12.86	12.65	12.55	12.48	12.52	12.50	12.73	12.70
28	12.50	12.42	.....	.....	12.9	12.86	12.51	12.49	12.53	12.50	12.73	12.58
29	12.67	12.48	.....	.....	12.95	12.78	12.49	12.45	12.52	12.51	12.67	12.61
30	12.67	12.58	.....	.....	12.78	12.62	12.46	12.41	12.55	12.50	12.67	12.65
31	12.63	12.55	.....	.....	12.62	12.57	.....	.....	12.58	12.55	.....	.....

Daily high and low water levels, above land-surface datum, from recorder graph

Day	July		August		September		October		November	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	12.66	12.59	12.75	12.72	12.72	12.70	12.44	12.42	12.24	12.20
2	12.62	12.57	12.76	12.75	12.72	12.72	12.44	12.43	12.20	12.19
3	12.65	12.62	12.75	12.72	12.72	12.71	12.55	12.43	12.21	12.19
4	12.65	12.65	12.72	12.68	12.71	12.69	12.55	12.53	12.21	12.07
5	12.73	12.65	12.68	12.66	12.69	12.54	12.53	12.36	12.35	12.07
6	12.73	12.72	12.67	12.65	12.55	12.45	12.36	12.34	12.47	12.35
7	12.72	12.64	12.65	12.57	12.48	12.46	12.35	12.32	12.48	12.45
8	12.64	12.59	12.59	12.56	12.54	12.48	12.47	12.33	12.46	12.41
9	12.60	12.58	12.62	12.59	12.60	12.52	12.58	12.47	12.42	12.33
10	12.61	12.60	12.68	12.62	12.73	12.60	12.58	12.55	12.39	12.34
11	12.67	12.60	12.68	12.64	12.77	12.73	12.55	12.49	12.50	12.39
12	12.68	12.66	12.66	12.61	12.77	12.70	12.61	12.52	.....	.....
13	12.76	12.67	12.62	12.55	12.70	12.68	12.58	12.40	.....	.....
14	12.76	12.68	12.57	12.54	12.70	12.68	12.40	12.33	.....	.....
15	12.68	12.62	12.65	12.43	12.73	12.70	12.33	12.27	.....	.....
16	12.68	12.63	12.62	12.61	12.73	12.68	12.27	12.18	.....	.....
17	12.76	12.68	12.65	12.60	12.68	12.55	12.20	12.18	.....	.....
18	12.76	12.76	12.66	12.64	12.55	12.48	12.26	12.20	.....	.....
19	12.76	12.70	12.75	12.66	12.60	12.52	12.34	12.26	.....	.....
20	12.77	12.72	12.78	12.75	12.60	12.57	12.38	12.34	.....	.....
21	12.77	12.73	12.77	12.69	12.65	12.58	12.38	12.30	12.33	12.13
22	12.73	12.66	12.70	12.65	12.76	12.65	12.32	12.32	12.13	12.04
23	12.66	12.60	12.65	12.60	12.76	12.69	12.42	12.32	12.09	12.04
24	12.66	12.62	12.62	12.59	12.69	12.50	12.42	12.37	12.19	12.02
25	12.68	12.66	12.66	12.62	12.50	12.43	12.40	12.37	12.55	12.19
26	12.68	12.65	12.66	12.62	12.43	12.37	12.40	12.30	.....	.....
27	12.68	12.65	12.65	12.60	12.37	12.36	12.39	12.37	.....	.....
28	12.73	12.68	12.70	12.65	12.38	12.36	12.39	12.34	.....	.....
29	12.73	12.72	12.73	12.70	12.38	12.36	12.34	12.29	.....	.....
30	12.74	12.72	12.73	12.69	12.42	12.38	12.30	12.25	.....	.....
31	12.73	12.71	12.70	12.68	.....	.....	12.25	12.24	.....	.....

Tape measurements above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	12.59	Apr. 27	12.46	Aug. 10	12.66	Oct. 26	12.30
28	12.55	May 19	12.51	Sept. 19	12.52	Nov. 20	12.29
Mar. 23	12.89	June 28	12.00				

AA-Ad 30. Anne Arundel Sanitary Commission. Lat. 39°10'18", long. 76°37'02". Glen Burnie. Records available: 1948-50.

Daily high and low water levels from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	11.81	11.84	11.93	12.63	11.12	11.14	10.72	10.75	10.94	10.96	10.30	10.30
2	11.81	11.85	11.87	11.93	11.12	11.13	10.70	10.72	10.95	10.97	10.29	10.30
3	11.81	11.85	11.84	11.87	11.10	11.12	10.68	10.70	10.94	10.97	10.26	10.29
4	11.83	11.86	11.83	11.85	11.12	11.15	10.67	10.68	10.94	10.97	10.24	10.26
5	11.82	11.87	11.82	11.84	11.15	11.15	10.67	10.67	10.93	10.94	10.21	10.24
6	11.81	11.87	11.79	11.82	11.15	11.16	10.66	10.67	10.93	10.94	10.19	10.21
7	11.85	11.88	11.76	11.79	11.16	11.18	10.65	10.66	10.93	10.96	10.20	10.21
8	11.88	11.90	11.75	11.77	11.17	11.17	10.65	10.65	10.96	10.97	10.20	10.21
9	11.90	11.92	11.70	11.75	11.17	11.18	10.65	10.66	10.95	10.97	10.18	10.20
10	11.92	11.95	11.66	11.70	11.18	11.20	10.66	10.66	10.93	10.95	10.18	10.24
11	11.93	11.95	11.63	11.66	11.20	11.20	10.65	10.66	10.92	10.93	10.24	10.25
12	11.89	11.96	11.62	11.63	11.17	11.20	10.65	10.66	10.87	10.92	10.25	10.25
13	11.90	11.95	11.60	11.62	11.15	11.17	10.66	10.67	10.82	10.87	10.23	10.25
14	11.94	11.97	11.55	11.60	11.16	11.18	10.67	10.69	10.78	10.82	10.20	10.23
15	11.97	11.98	11.51	11.55	11.17	11.19	10.69	10.70	10.75	10.78	10.17	10.20
16	11.96	11.99	11.48	11.51	11.19	11.19	10.70	10.72	10.72	10.75	10.14	10.17
17	11.99	12.00	11.44	11.48	11.19	11.20	10.72	10.75	10.70	10.72	10.13	10.14
18	12.00	12.01	11.40	11.44	11.19	11.20	10.75	10.76	10.67	10.70	10.13	10.14
19	12.01	12.02	11.37	11.40	11.20	11.22	10.76	10.81	.....	.....	10.11	10.13
20	12.02	12.03	11.33	11.57	11.21	11.22	10.81	10.82	10.43	10.46	10.11	10.12
21	12.03	12.05	11.29	11.33	11.18	11.21	10.82	10.83	10.40	10.43	10.10	10.11
22	12.05	12.06	11.24	11.29	11.15	11.18	10.83	10.84	10.38	10.40	10.10	10.10
23	12.06	12.08	11.21	11.24	11.08	11.15	10.84	10.85	10.35	10.38	10.09	10.10
24	12.08	12.10	11.18	11.21	11.04	11.08	10.84	10.85	10.32	10.35	10.09	10.09
25	.....	.....	11.17	11.18	11.00	11.04	10.84	10.85	10.32	10.33	10.09	10.10
26	.....	.....	11.16	11.17	10.95	11.00	10.85	10.88	10.33	10.34	10.10	10.11
27	.....	.....	11.15	11.16	10.91	10.95	10.88	10.93	10.34	10.36	10.11	10.13
28	.....	.....	11.14	11.15	10.85	10.91	10.92	10.94	10.36	10.40	10.13	10.19
29	.....	.....	.....	.....	10.82	10.85	10.94	10.97	10.40	10.41	10.19	10.23
30	.....	.....	.....	.....	10.78	10.82	10.96	10.98	10.36	10.41	10.18	10.19
31	.....	.....	.....	.....	10.75	10.78	.....	.....	10.30	10.36	.....	.....

Daily high and low water levels from recorder graph

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	10.18	10.28	10.49	10.52	10.77	10.78	10.48	10.48	10.35	10.36	10.20	10.21
2	10.28	10.31	10.49	10.51	10.78	10.78	10.48	10.48	10.34	10.35	10.19	10.20
3	10.27	10.30	10.51	10.55	10.78	10.78	10.48	10.51	10.35	10.35	10.17	10.19
4	10.28	10.30	10.55	10.56	10.77	10.78	10.50	10.51	10.34	10.35	10.15	10.17
5	10.29	10.30	10.56	10.56	10.77	10.77	10.51	10.51	10.34	10.35	10.11	10.15
6	10.25	10.29	10.55	10.56	10.77	10.78	10.51	10.51	10.34	10.35	10.07	10.11
7	10.25	10.31	10.55	10.57	10.78	10.78	10.50	10.51	10.34	10.35	10.02	10.07
8	10.31	10.32	10.57	10.58	10.78	10.78	10.50	10.50	10.35	10.35	9.98	10.02
9	10.30	10.31	10.58	10.63	10.77	10.78	10.48	10.56	10.35	10.35	9.94	9.98
10	10.25	10.30	10.63	10.64	10.74	10.78	10.45	10.48	10.34	10.35	9.90	9.94
11	10.22	10.25	10.64	10.65	10.64	10.74	10.46	10.46	10.35	10.35	9.86	9.90
12	10.22	10.24	10.65	10.65	10.62	10.64	10.46	10.46	10.35	10.35	9.84	9.86
13	10.24	10.26	10.65	10.65	10.57	10.62	10.46	10.46	10.34	10.35	9.81	9.84
14	10.26	10.35	10.65	10.65	10.56	10.57	10.46	10.47	10.34	10.34	9.78	9.81
15	10.35	10.40	10.65	10.66	10.55	10.56	10.46	10.46	10.34	10.34	9.74	9.78
16	10.40	10.41	10.66	10.70	10.55	10.55	10.46	10.47	10.34	10.34	9.70	9.74
17	10.41	10.44	10.70	10.73	10.55	10.55	10.47	10.48	10.33	10.34	9.66	9.70
18	10.44	10.45	10.73	10.73	10.55	10.55	10.47	10.48	10.33	10.33	9.64	9.66
19	10.45	10.46	10.73	10.74	10.52	10.55	10.47	10.48	10.33	10.33	9.62	9.64
20	10.46	10.48	10.73	10.74	10.51	10.53	10.46	10.47	10.33	10.35	9.60	9.61
21	10.48	10.49	10.72	10.73	10.50	10.52	10.46	10.47	10.35	10.35	9.60	9.60
22	10.49	10.51	10.72	10.72	10.49	10.50	10.47	10.47	10.35	10.35	9.58	9.60
23	10.51	10.54	10.71	10.72	10.48	10.49	10.46	10.47	10.35	10.35	9.57	9.58
24	10.54	10.55	10.70	10.71	10.48	10.48	10.44	10.46	10.35	10.35	9.56	9.57
25	10.55	10.55	10.70	10.70	10.48	10.48	10.43	10.44	10.34	10.35	9.55	9.56
26	10.54	10.55	10.70	10.70	10.47	10.48	.....	.....	10.31	10.34	9.55	9.55
27	10.52	10.54	10.70	10.71	10.47	10.47	10.38	10.39	10.28	10.31	9.55	9.56
28	10.51	10.52	10.71	10.72	10.47	10.47	10.37	10.38	10.26	10.28	9.56	9.57
29	10.50	10.51	10.72	10.73	10.47	10.49	10.36	10.37	10.24	10.26	9.57	9.57
30	10.50	10.51	10.73	10.75	10.48	10.49	10.36	10.37	10.21	10.24	9.57	9.57
31	10.51	10.52	10.75	10.77	.....	.....	10.35	10.36	.....	.....	9.57	9.57

AA-Ad 30--Continued.

Tape measurements

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	12.16	May 19	10.47	Aug. 10	10.64	Oct. 26	10.37
Mar. 23	11.08	24	10.33	Sept. 19	10.53	Nov. 20	10.35
Apr. 27	10.92	June 28	10.14				

Measurement discontinued in wells AA-Ae 4 and AA-Bb 17.

AA-Bb 18. William J. Harris. Lat. $39^{\circ}07'26''$, long. $76^{\circ}47'25''$. Fort George G.

Meade Junction. Records available: 1946-50.

Jan. 26	23.48	Apr. 27	23.31	Aug. 18	23.76	Oct. 26	23.59
Feb. 28	23.28	June 18	23.49	Sept. 19	21.89	Nov. 20	23.66

Measurement discontinued in wells AA-Be 13, AA-Be 29, AA-Be 40 and AA-Be 54.

AA-Be 59. State of Maryland. Lat. $39^{\circ}09'41''$, long. $76^{\circ}31'34''$. Riviera Beach about 50 feet south of northwest end of Stony Creek bridge. Records available: 1949-50.

Feb. 28	0.52	Apr. 27	0.41	Aug. 18	0.78	Oct. 26	1.38
Mar. 24	.53	June 28	1.17	Sept. 27	1.11	Nov. 20	.79

Measurement discontinued in wells AA-Cc 1, AA-Cc 2, and AA-Cd 8.

AA-Cd 10. Crownsville State Hospital. Lat. $39^{\circ}01'18''$, long. $76^{\circ}36'06''$. Crownsville. About 500 feet west of large water tower. Records available: 1949-50.

Jan. 26	117.70	Apr. 17	111.32	Aug. 19	116.28	Oct. 26	113.80
Feb. 28	110.70	May 24	110.17	Sept. 19	116.34	Nov. 30	117.47
Mar. 24	113.19	June 18	114.27				

Measurement discontinued in wells AA-Cd 21, AA-Ce 24, AA-Ce 49, AA-Cg 2.

AA-Df 14. U. S. Naval Academy well. Rifle Range 1. Near Carrs Point. Records available: 1946-50.

Jan. 26	69.08	Apr. 27	67.06	Aug. 18	70.36	Oct. 26	67.33
Feb. 28	70.32	May 24	70.65	Sept. 19	66.91	Nov. 20	69.30
Mar. 24	69.30	June 28	70.64				

Measurement discontinued in wells AA-Df 18, AA-Ec 14.

AA-Ef 3. C. L. Meredith. Arundel-on-the-Bay. Records available: 1946-50.

Jan. 26	6.32	Apr. 27	5.95	Aug. 18	6.40	Oct. 26	5.90
Feb. 28	6.96	May 24	5.45	Sept. 19	5.28	Nov. 20	5.98
Mar. 24	6.46	June 28	6.67				

Baltimore County

Bal-Cb 2. H. F. Schaefer. 1.5 miles northeast of Woodensburg. Lat. $39^{\circ}31'13''$, long. $76^{\circ}49'12''$. Records available: 1949-50.

Jan. 12	44.05	Apr. 28	37.40	July 21	40.36	Nov. 28	45.44
Mar. 3	39.49	May 24	38.48	Sept. 27	41.95	Dec. 27	36.80
27	37.15	June 21	39.22	Oct. 27	41.67		

Bal-Dd 1. A. D. Jones. Lat. $39^{\circ}28'04''$, long. $76^{\circ}35'57''$. 1.25 miles southeast of Warren, on Bolsey Rd. Records available: 1949. Measurement discontinued.

Bal-Ef 16. Water Hole. Lat. $39^{\circ}21'31''$, long. $76^{\circ}28'52''$. King Ave., 0.1 mile southeast of Babikow Rd. Records available: 1944-50.

Jan. 17	4.95	Apr. 28	4.44	July 24	5.72	Dec. 6	4.24
Feb. 18	5.53	May 22	4.62	Sept. 28	4.29	28	4.96
Apr. 5	4.75	June 26	5.57	Oct. 31	4.77		

Bal-Ef 19. United Clay Products Co. Lat. $39^{\circ}21'10''$, long. $76^{\circ}27'33''$. Poplar, between Highway 40 and Baltimore & Ohio Railroad. Records available: 1944-50.

Jan. 17	57.82	Apr. 28	63.00	July 24	57.76	Dec. 6	64.39
Feb. 18	57.91	May 22	57.86	Sept. 29	58.00	28	64.55
Apr. 5	57.49	June 26	57.60	Oct. 31	58.65		

Bal-Fe 19. Paul Jones Distillery. Dundalk. Lat. 39°16'08", long. 76°31'51". South of Baltimore & Ohio Railroad tracks, 150 feet east of Willow Spring St. Records available: 1944-50

Daily high and low water levels from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	84.17	86.36	88.02	88.56	88.87	89.39	88.82	89.92	85.58	86.50	86.22	86.97
2	82.72	84.17	88.53	89.05	89.39	90.13	87.62	88.82	86.50	87.56	86.80	87.61
3	82.68	84.33	89.03	89.42	89.98	90.41	87.31	87.95	87.56	88.22	85.99	87.64
4	84.33	85.48	88.39	89.45	89.81	90.39	87.95	88.81	88.22	88.68	83.95	85.99
5	85.48	86.38	86.73	88.39	88.57	89.81	88.77	89.58	88.62	88.96	83.59	84.92
6	86.35	86.56	.....	.....	88.42	89.09	89.58	90.27	87.16	88.99	84.92	86.65
7	86.42	86.80	.....	.....	89.09	89.90	90.27	90.82	85.75	87.14	86.65	87.35
8	84.79	86.72	.....	.....	89.72	89.86	89.10	90.70	85.65	87.32	87.30	87.90
9	84.71	85.93	.....	.....	89.79	90.27	87.61	89.10	87.32	89.18	87.75	88.19
10	85.92	86.35	.....	.....	90.27	90.84	87.30	88.06	89.18	89.98	87.12	88.20
11	86.24	86.73	.....	.....	89.91	90.82	88.06	89.41	89.14	90.00	86.20	87.12
12	86.64	87.89	.....	.....	88.87	89.91	89.41	90.10	89.50	90.33	85.97	86.95
13	87.89	89.74	.....	.....	88.35	89.06	90.01	90.24	87.35	89.50	86.95	87.80
14	88.17	89.54	.....	.....	89.06	90.09	90.24	90.90	85.50	87.35	87.53	87.91
15	85.51	88.17	.....	.....	89.99	90.44	89.45	90.95	85.40	86.76	87.73	88.31
16	85.40	87.82	.....	.....	90.36	91.13	87.55	89.45	86.76	87.78	87.67	88.31
17	87.82	89.63	.....	.....	91.13	92.48	87.04	87.89	87.78	88.11	86.24	87.89
18	88.70	89.52	.....	.....	91.00	92.18	87.89	88.94	88.11	88.36	84.25	86.24
19	88.61	88.77	.....	.....	89.84	91.00	88.94	89.47	88.15	88.49	84.49	86.05
20	88.64	88.80	.....	.....	89.68	90.27	89.46	89.86	86.85	88.52	86.05	87.17
21	86.98	88.64	.....	.....	89.92	90.33	89.86	90.18	85.18	86.85	86.65	87.08
22	84.88	86.98	.....	.....	89.93	90.32	88.54	90.10	84.96	86.40	87.05	87.37
23	84.70	85.87	.....	.....	89.86	90.30	86.71	88.54	86.40	87.58	87.10	87.60
24	85.86	86.67	.....	.....	90.18	90.33	86.81	87.34	87.58	87.91	85.60	87.08
25	86.67	87.50	.....	.....	89.06	90.18	87.34	88.28	87.83	88.15	84.18	85.60
26	87.50	88.10	87.94	88.57	87.90	89.06	88.28	89.01	88.08	88.68	83.93	85.65
27	88.10	89.26	87.72	88.42	87.06	87.90	88.53	88.98	86.53	88.61	85.65	87.21
28	87.95	89.33	88.42	89.02	87.31	88.42	88.42	88.58	84.45	86.53	87.21	87.97
29	85.23	87.95	.....	.....	88.42	89.05	87.58	88.81	83.96	85.37	87.97	88.41
30	85.17	86.67	.....	.....	89.05	89.62	85.91	87.58	85.15	85.55	88.28	88.74
31	86.67	88.02	.....	.....	89.62	89.95	.....	.....	85.09	86.22	.....	.....

Daily high and low water levels from recorder graph

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	86.48	88.78	82.94	87.87	95.03	95.45	91.63	92.83	92.02	93.93	94.87	96.16
2	84.62	86.48	87.87	90.86	94.35	95.54	90.71	92.22	92.24	94.95	94.29	95.69
3	84.09	86.27	90.86	92.07	92.97	94.35	92.22	94.19	94.43	95.80	92.25	94.29
4	85.97	86.42	89.59	92.40	92.35	92.97	94.19	95.95	93.87	95.39	91.27	93.72
5	85.86	86.72	86.92	89.59	92.26	93.56	95.95	96.96	92.42	93.87	93.72	95.68
6	86.72	87.86	84.95	86.92	93.56	94.45	95.68	96.98	92.26	94.87	94.90	95.94
7	87.86	88.66	84.51	88.98	94.45	94.61	93.67	95.68	94.87	96.05	95.21	96.36
8	86.97	88.72	88.98	91.13	94.51	94.80	91.73	93.67	95.33	96.52	95.05	96.15
9	85.34	86.97	91.13	92.24	93.38	94.81	91.29	92.63	95.67	96.97	93.24	95.44
10	84.98	86.70	92.24	93.21	92.15	93.38	92.51	93.70	96.72	97.36	91.44	93.24
11	86.70	88.05	93.21	93.65	91.78	92.70	92.68	94.40	94.83	97.10	91.34	93.57
12	88.05	88.75	88.81	93.66	92.70	93.64	93.61	95.11	89.55	94.83	93.19	95.56
13	88.66	90.75	86.14	89.24	93.64	94.19	94.42	95.53	90.25	92.95	95.15	96.79
14	90.75	91.98	87.42	90.53	92.83	94.35	93.57	95.29	92.75	94.72	96.18	97.35
15	87.63	90.84	90.53	92.35	94.34	94.69	92.42	93.57	92.68	95.27	.....	.....
16	86.42	87.63	90.16	92.70	93.13	94.75	92.17	93.79	94.54	95.87	.....	.....
17	85.57	86.42	89.73	92.77	92.15	93.13	93.64	95.23	94.98	95.97	92.13	96.05
18	84.84	85.57	92.77	93.67	91.98	92.79	94.67	95.83	94.06	95.55	91.71	93.82
19	84.96	85.10	.....	.....	92.79	93.47	94.87	96.06	92.37	94.06	93.61	96.06
20	85.02	85.10	.....	.....	93.47	94.00	95.04	95.90	92.37	94.86	95.36	96.77
21	85.03	85.11	.....	.....	94.00	95.16	94.04	95.70	94.41	95.93	95.90	97.23
22	84.26	85.11	.....	.....	94.50	95.17	92.15	94.04	94.85	96.17	96.15	97.15
23	83.57	84.26	.....	.....	93.16	94.61	91.83	93.43	93.87	95.65	93.40	96.57
24	83.42	83.94	92.06	92.86	92.12	93.16	93.27	94.88	93.25	94.55	90.38	93.40
25	83.70	84.20	92.86	94.04	91.82	92.93	93.33	95.52	93.15	93.82	89.70	90.79
26	83.15	83.70	92.25	94.14	92.93	93.91	93.70	96.16	91.68	92.87	89.38	91.40
27	82.27	83.18	92.00	92.84	93.81	94.13	93.87	96.06	91.58	94.02	91.40	93.61
28	82.00	82.27	91.17	92.70	94.13	94.50	92.18	95.75	93.46	95.00	92.89	94.25
29	81.00	82.08	92.70	93.71	94.00	94.51	87.15	92.18	94.00	95.35	93.17	94.53
30	79.83	81.00	93.71	94.46	92.83	94.40	87.18	90.40	94.41	95.63	92.43	94.30
31	79.67	82.94	94.46	95.03	.....	.....	90.40	93.06	.....	.....	90.47	92.43

Bal-Fe 19--Continued.

Tape measurements

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	88.87	Apr. 28	88.44	July 26	83.31	Dec. 7	95.91
27	87.92	May 25	87.92	Sept. 29	94.01	28	93.92
Apr. 5	89.10	June 26	84.08	Oct. 31	92.80		

Bal-Ff 1. City of Baltimore. Lat. $39^{\circ}17'46''$, long. $76^{\circ}29'45''$. Back River Sewage Disposal Plant. Records available: 1943-50.

Feb. 2	43.46	Apr. 28	46.51	July 26	42.93	Dec. 6	45.28
27	45.07	May 25	46.60	Sept. 29	44.42	28	44.07
Apr. 5	45.05	June 26	45.03	Oct. 31	44.25		

Bal-Gc 20. Calvert Distilling Co. Lat. $39^{\circ}13'31''$, long. $76^{\circ}41'40''$. St. Denis. Records available: 1944-47. Measurement discontinued.

Measurement discontinued in wells Bal-Gf 1, Bal-Gf 3, and Bal-Gf 4.

Bal-Gf 6. Bethlehem Steel Co. Lat. $39^{\circ}14'00''$, long. $76^{\circ}29'42''$. Sparrows Point. Records available: 1943-46, 1949-50.

Feb. 2	105.93	May 25	106.19	July 26	100.51	Dec. 7	111.09
27	105.31	June 26	95.59	Sept. 29	107.17	28	101.01
Apr. 28	107.39						

Measurement discontinued in wells Bal-Gf 8, Bal-Gf 9, Bal-Gf 10, Bal-Gf 12, Bal-Gf 14, Bal-Gf 16, Bal-Gf 18, Bal-Gf 28, Bal-Gf 29, Bal-Gf 30, Bal-Gf 31, Bal-Gf 32, Bal-Gf 33, Bal-Gf 34, Bal-Gf 36, Bal-Gf 37, Bal-Gf 38, Bal-Gf 46, Bal-Gf 47, and Bal-Gf 48.

Bal-Gf 50. Bethlehem Steel Co. Lat. $39^{\circ}13'23''$, long. $76^{\circ}29'21''$. Sparrows Point. Records available: 1943-50. Feb. 2, 59.03; Feb. 27, 61.04; Apr. 5, 50.52. Measurement discontinued.

Bal-Gf 51. Bethlehem Steel Co. Lat. $39^{\circ}13'23''$, long. $76^{\circ}29'21''$. Sparrows Point. Records available: 1943-50. Feb. 2, 81.42; Feb. 27, 81.60; Apr. 5, 87.81; Apr. 28, 89.80. Measurement discontinued.

Measurement discontinued in wells Bal-Gf 52, Bal-Gf 53, Bal-Gf 78, Bal-Gf 79, Bal-Gf 89, Bal-Gf 93, Bal-Gf 100, Bal-Gf 107, Bal-Gf 108, Bal-Gf 131, Bal-Gf 138, Bal-Gf 139, Bal-Gf 140, Bal-Gf 165, Bal-Gf 166, Bal-Gf 187.

Bal-Gf 168. Bethlehem Steel Co. Lat. $39^{\circ}12'59''$, long. $76^{\circ}28'29''$. Sparrows Point. Records available: 1943-50.

Feb. 2	52.53	Apr. 28	59.97	July 26	54.69	Dec. 7	69.93
27	56.59	May 25	60.39	Sept. 29	90.06	28	75.13
Apr. 5	60.42	June 26	48.54	Oct. 31	77.09		

Bal-Gf 169. Bethlehem Steel Co. Lat. $39^{\circ}12'59''$, long. $76^{\circ}28'29''$. Sparrows Point. Records available: 1943-46, 1948-50.

Feb. 2	31.12	Apr. 28	29.66	July 26	83.19	Dec. 7	43.11
27	32.59	May 25	33.99	Sept. 29	64.54	28	44.33
Apr. 5	33.13	June 26	77.34				

Measurement discontinued in wells Bal-Gf 170, Bal-Gf 171, Bal-Gf 172, Bal-Gf 173, Bal-Gf 174, Bal-Gf 175, Bal-Gf 176.

Bal-Gf 177. Bethlehem Steel Co. Formerly Bay Shore Park. Lat. $39^{\circ}12'30''$, long. $76^{\circ}25'30''$. Records available: 1943-50.

Feb. 2	43.83	May 25	47.93	July 26	42.25	Oct. 31	43.95
Apr. 5	46.43	June 26	43.17	Sept. 29	45.55	Dec. 6	46.26
28	48.19						

Bal-Gf 178. Bethlehem Steel Co. Formerly Bay Shore Park. Lat. $39^{\circ}12'30''$, long. $76^{\circ}25'30''$. Records available: 1947-50.

Apr. 5	15.79	May 25	16.75	July 26	25.94	Oct. 31	25.60
28	16.45	June 26	23.17	Sept. 29	29.27	Dec. 6	22.69

Bal-Gf 183. Chesapeake Terrace School. Lat. 39°13'19", long. 76°27'00" Lodge Forest. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	29.10	May 25	17.67	Sept. 29	48.70	Dec. 6	38.83
Apr. 5	22.54	June 26	34.18	Oct. 31	45.72	28	38.59
28	26.27	July 26	42.69				

Measurement discontinued in wells Bal-Gf 201, Bal-Gf 202, Bal-Gf 191, Bal-Gf 192, Bal-Gf 200.

Calvert County

Cal-Bb 1. Gorman Lyons. Lat. 38°43'25", long. 76°39'42". Dunkirk. 0.1 mile north of school. Records available: 1947-50.

Jan. 24	31.55	Apr. 26	25.84	Aug. 10	29.40	Nov. 2	25.27
Feb. 28	29.52	May 19	27.15	Sept. 7	30.74	28	28.43
Mar. 23	28.84	June 28	29.70				

Cal-Cb 4. J. Armiger. Lat. 38°36'08", long. 76°36'55". 1.2 miles south of Huntingtown. Records available: 1949-50.

Jan. 24	21.01	Apr. 26	20.14	Aug. 10	20.80	Nov. 2	20.06
Feb. 28	20.82	May 19	20.29	Sept. 7	21.16	28	20.40
Mar. 23	20.61	June 28	20.54				

Cal-Dc 6. Frank Mister. Lat. 38°33'29", long. 76°32'16". On Dares Beach road, 0.2 mile east of Dares post office. Records available: 1947. Measurement discontinued.

Cal-Dc 18. A. Goldstein. Lat. 38°32'25", long. 76°34'05". Prince Frederick. Records available: 1947-50.

Jan. 24	19.91	Apr. 26	19.30	Aug. 10	18.96	Nov. 2	19.11
Feb. 28	19.76	May 19	19.27	Sept. 7	19.00	28	19.44
Mar. 23	19.34	June 28	19.19				

Cal-Ec 4. W. W. Ross. Lat. 38°28'37", long. 76°32'52". 500 feet south of Mutual post office. Records available: 1947-50.

Jan. 24	45.22	Apr. 26	45.06	Aug. 10	45.87	Nov. 2	45.62
Feb. 28	45.63	May 19	45.19	Sept. 7	46.31	28	45.80
Mar. 23	45.80	June 28	45.44				

Cal-Ec 5. Benjamin Parran. Lat. 38°25'27", long. 76°30'47". 1.2 miles south of Hardesty Corner, 2.5 miles north-northwest of Mackall. Records available: 1947-50. Jan. 24, 28.40.

Cal-Fd 12. Ambassador Neilson. Lat. 38°24'58", long. 76°29'42". 1 mile east of Wallville. Records available: 1947. Measurement discontinued.

Cal-Fd 14. W. B. Glascock. Lat. 38°20'08", long. 76°27'47". 1.2 miles north of Solomons, on Back Creek. Records available: 1947-50.

Jan. 24	6.85	Apr. 26	6.02	Aug. 10	6.79	Nov. 2	6.80
Feb. 28	6.46	June 28	6.38	Sept. 7	6.80	28	7.30
Mar. 23	6.28						

Cal-Gd 4. U. S. Navy Amphibious Training Base. Lat. 38°19'43", long. 76°27'18". 1.4 miles south of Dowell. Records available: 1947-49. Measurement discontinued.

Cal-Gd 5. U. S. Navy. Lat. 38°19'58", long. 76°27'26". Occupied by Tidewater Fisheries Commission. 0.5 mile north of Solomons, east of Back Creek. Records available: 1949-50.

Daily high and low water levels from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	19.43	19.87	18.83	19.25	18.60	19.12	18.39	18.91	18.08	18.62	18.02	18.70
2	19.35	19.75	18.70	19.18	18.94	19.61	18.32	18.83	18.12	18.62	18.23	18.72
3	19.29	19.72	18.72	19.48	19.39	19.76	18.33	18.83	18.10	18.67	18.21	18.71
4	19.36	19.80	19.01	19.45	19.30	19.67	18.42	18.85	18.18	18.67	18.23	18.72
5	19.63	20.06	19.13	19.52	18.93	19.39	18.38	19.07	18.12	18.65	18.37	18.77
6	19.59	20.06	18.75	19.36	18.78	19.44	18.67	19.14	18.14	18.63	18.27	18.64
7	19.45	20.20	18.86	19.47	18.96	19.32	18.88	19.18	18.29	18.82	18.44	18.85
8	19.85	20.20	18.88	19.47	18.56	19.24	18.08	18.95	18.81	19.20	18.61	19.00
9	19.33	20.03	18.54	19.05	18.78	19.72	18.28	18.73	18.50	18.97	18.67	19.03
10	19.49	19.79	18.86	19.20	19.53	19.77	18.27	18.66	18.30	18.66	18.56	18.88

Cal-Gd 5--Continued.

Daily high and low water levels from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
11	19.52	19.84	18.86	19.26	19.16	19.78	18.34	18.68	18.56	18.99	18.52	19.08
12	19.54	19.96	18.71	19.10	19.01	19.37	18.31	18.87	18.38	18.78	18.72	19.03
13	19.38	19.82	18.63	19.05	.....	.....	18.27	18.83	18.20	18.58	18.55	18.95
14	19.21	19.63	18.47	19.00	.....	.....	18.65	19.09	18.20	18.68	18.58	18.93
15	19.45	19.88	18.17	18.63	18.77	19.14	18.68	19.12	18.00	18.39	18.65	19.24
16	19.26	19.77	18.33	18.78	.....	.....	18.48	18.79	17.98	18.64	18.86	19.21
17	19.44	19.88	18.47	19.07	.....	.....	18.32	18.87	18.19	18.54	18.64	19.21
18	19.28	19.75	18.78	19.23	.....	.....	18.55	19.03	18.08	18.44	18.46	19.30
19	19.43	19.85	18.48	19.14	19.28	19.64	18.52	18.89	18.05	18.70	18.65	19.20
20	19.44	19.80	18.93	19.64	19.00	19.40	18.28	18.88	18.26	18.67	18.90	19.25
21	19.22	19.72	18.99	19.64	18.64	19.20	18.45	18.88	18.18	18.57	18.85	19.27
22	19.07	19.53	18.68	19.13	18.40	19.18	18.32	18.79	18.20	18.57	19.11	19.48
23	19.10	19.41	18.48	19.12	18.25	18.86	18.42	18.79	18.10	18.58	18.98	19.38
24	19.07	19.37	18.74	19.17	18.82	19.12	18.27	18.65	18.06	18.97	18.97	19.34
25	19.14	19.40	18.86	19.35	18.60	19.01	18.16	18.48	18.21	18.58	18.96	19.62
26	19.14	19.43	19.05	19.38	18.52	18.95	18.17	18.51	18.18	18.54	19.16	19.55
27	19.29	19.74	19.28	19.63	18.30	18.65	18.15	18.57	18.13	18.54	19.06	19.47
28	19.03	19.60	18.60	19.50	18.09	18.63	18.11	18.52	18.07	18.52	19.15	19.69
29	18.78	19.17	.....	.....	18.60	18.90	18.22	18.64	18.02	18.54	.....	.....
30	18.85	19.49	.....	.....	18.88	19.17	18.09	18.54	18.12	18.67	.....	.....
31	19.01	19.46	.....	.....	18.71	19.08	.....	.....	18.12	18.57	.....	.....

Daily high and low water levels from recorder graph

Day	August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	.....	.....	20.45	20.82	20.52	20.83	20.09	20.37	20.70	21.00
2	.....	.....	20.67	21.03	20.50	20.80	20.03	20.31	20.26	20.86
3	.....	.....	20.55	20.99	20.35	20.71	20.01	20.32	20.24	20.54
4	.....	.....	20.61	20.91	20.35	20.78	19.49	20.17	20.90	20.52
5	.....	.....	20.61	21.14	20.42	20.82	19.51	20.41	20.52	20.84
6	.....	.....	20.77	21.06	20.39	20.68	20.22	20.58	20.41	20.83
7	.....	.....	20.57	20.87	20.35	20.60	20.17	20.53	19.95	20.69
8	.....	.....	20.68	21.10	20.13	20.48	20.02	20.51	19.89	20.38
9	.....	.....	20.52	20.94	19.87	20.30	19.87	20.40	20.04	20.53
10	20.28	20.64	20.42	20.78	19.88	20.48	19.93	20.52	19.88	20.45
11	20.35	20.71	20.37	20.79	20.06	20.58	20.23	20.68	19.95	20.37
12	20.29	20.71	19.91	20.50	19.95	20.46	20.19	20.58	20.07	20.51
13	20.20	20.57	19.71	20.30	20.36	20.80	20.23	20.64	20.29	20.66
14	20.21	20.72	20.02	20.47	20.47	21.01	20.37	20.68	20.42	20.75
15	20.22	20.64	20.13	20.76	20.41	20.76	20.55	20.86	20.32	20.70
16	20.05	20.48	20.53	20.96	20.34	20.88	20.67	21.03	20.47	21.13
17	20.05	20.54	20.52	21.00	20.33	20.70	20.70	21.12	20.19	20.85
18	20.07	20.55	20.56	20.95	20.40	20.82	20.72	21.19	20.21	20.77
19	19.98	20.41	20.55	20.86	20.41	20.71	20.46	20.85	20.55	20.90
20	19.93	20.39	20.55	20.98	20.23	20.57	20.32	20.69	20.36	20.74
21	19.95	20.40	20.27	20.72	20.26	20.60	20.38	21.24	20.65	21.05
22	19.95	20.35	20.20	20.57	20.05	20.49	20.66	21.07	20.32	20.80
23	20.02	20.54	20.19	20.58	19.95	20.49	20.63	21.04	20.53	20.94
24	20.15	20.55	20.18	20.90	19.77	20.28	20.23	20.80	20.30	20.77
25	20.15	20.57	20.62	20.97	19.80	20.21	19.28	20.23	20.36	20.76
26	20.21	20.71	20.53	20.92	20.01	20.44	19.60	20.11	20.32	20.83
27	20.30	20.80	20.50	20.92	20.20	20.58	19.92	20.30	20.75	21.16
28	20.37	20.74	20.45	20.83	20.12	20.53	19.93	20.30	20.36	20.78
29	20.30	20.74	20.46	20.82	20.02	20.43	20.18	20.64	20.23	20.64
30	20.45	20.89	20.52	20.85	20.07	20.39	20.54	20.80	20.16	20.56
31	20.45	20.85	.....	.....	20.13	20.47	.....	.....	20.19	20.52

Tape measurements

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	19.30	Apr. 26	18.35	Aug. 10	20.28	Nov. 2	20.30
Feb. 28	19.03	May 19	18.48	Sept. 7	20.58	28	20.06
Mar. 23	18.62	June 28	19.53				

Cal-Gd 6. U. S. Navy. Occupied by Tidewater Fisheries Commission. Lat. 38°19'58", long. 76°27'08". 0.5 mile north of Solomons, east of Back Creek. Records available: 1949-50.

Cal-Gd 6--Continued.

Daily high and low water levels from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	27.28	27.69	26.87	27.26	26.48	26.93	26.25	26.78	26.03	26.55	26.07	26.72
2	27.20	27.59	26.71	27.17	26.74	27.32	26.21	26.73	26.08	26.56	26.28	26.74
3	27.06	27.49	26.74	27.48	27.18	27.49	26.27	26.71	26.08	26.64	26.27	26.70
4	27.09	27.51	27.02	27.46	27.20	27.58	26.31	26.74	26.18	26.64	26.18	26.66
5	27.35	27.75	27.10	27.50	26.87	27.33	26.18	26.85	26.13	26.61	26.32	26.69
6	27.26	27.73	26.70	27.30	26.72	27.27	26.47	26.95	26.11	26.58	26.27	26.65
7	27.14	27.96	26.73	27.33	26.82	27.20	26.72	27.01	26.21	26.60	26.45	26.79
8	27.70	28.01	26.85	27.33	26.27	27.02	26.07	26.77	26.59	26.92	26.56	26.92
9	27.20	27.71	26.54	27.02	26.56	27.47	26.31	26.74	26.32	26.73	26.58	26.91
10	27.27	27.60	26.80	27.12	27.30	27.53	26.34	26.68	26.15	26.45	26.55	26.85
11	27.34	27.75	26.83	27.18	26.98	27.56	26.29	26.64	26.37	26.75	26.53	27.07
12	27.40	27.77	26.76	27.09	26.74	27.17	26.31	26.81	26.20	26.57	26.74	27.07
13	27.20	27.65	26.69	27.08	26.44	26.91	26.28	26.87	26.07	26.37	26.62	26.93
14	27.04	27.50	26.44	26.97	26.48	26.96	26.73	27.14	26.04	26.47	26.55	26.82
15	27.30	27.74	26.17	26.61	26.51	26.86	26.78	27.18	25.80	26.16	26.56	27.11
16	27.19	27.71	26.33	26.74	26.58	26.96	26.60	26.93	25.72	26.34	26.75	27.08
17	27.30	27.79	26.27	27.03	26.34	26.86	26.45	26.80	25.92	26.22	26.54	27.18
18	27.05	27.52	26.76	27.19	26.17	27.10	26.44	26.87	25.80	26.15	26.94	27.27
19	27.29	27.67	26.47	27.12	27.00	27.34	26.45	26.77	25.79	26.34	26.64	27.12
20	27.38	27.75	26.90	27.53	26.71	27.17	26.23	26.80	25.96	26.33	26.83	27.16
21	27.18	27.59	26.93	27.53	26.34	26.86	26.41	26.77	25.97	26.33	26.77	27.16
22	27.00	27.39	26.54	27.02	26.07	26.84	26.37	26.77	26.00	26.36	27.02	27.37
23	27.00	27.35	26.30	26.98	25.87	26.45	26.36	26.77	26.03	26.38	26.99	27.34
24	26.95	27.28	26.62	27.02	26.40	26.72	26.17	27.57	26.03	26.42	26.99	27.37
25	27.02	27.28	26.77	27.28	26.28	26.68	26.08	26.38	26.16	26.48	27.00	27.63
26	27.00	27.28	26.97	27.29	26.31	26.69	26.11	26.37	26.19	26.53	27.17	27.55
27	27.20	27.67	27.18	27.48	26.08	26.43	26.03	26.43	26.18	26.55	27.10	27.51
28	27.04	27.56	26.50	27.37	25.90	26.41	26.03	26.40	26.15	26.56	27.22	27.79
29	26.82	27.17			26.34	26.63	26.10	26.52	26.12	26.58	.....	.....
30	26.87	27.47			26.63	26.94	26.05	26.47	26.17	26.67	.....	.....
31	26.96	27.38			26.57	26.92			26.15	26.59		

Daily high and low water levels from recorder graph

Day	August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	28.77	29.05	27.96	28.24	28.65	28.93
2	28.67	29.00	27.93	28.19	28.29	28.80
3	28.43	28.87	27.97	28.24	28.20	28.53
4	28.40	28.72	27.51	28.12	27.84	28.68
5	28.41	28.77	27.60	28.37	28.52	28.73
6	28.40	28.78	28.16	28.53	28.38	28.71
7	28.97	29.19	28.37	28.57	28.09	28.45	27.94	28.61
8	28.97	29.34	28.12	28.44	27.43	28.37	27.97	28.39
9	28.90	29.24	27.88	28.27	27.72	28.21	28.04	28.49
10	29.35	29.63	28.79	29.11	27.85	28.40	27.74	28.30	27.88	28.38
11	29.31	29.64	28.72	29.08	28.04	28.52	28.02	28.47	27.90	28.28
12	28.33	28.81	27.94	28.43	28.09	28.48	28.03	28.45
13	28.21	28.80	28.30	28.83	28.19	28.59	28.29	28.62
14	28.50	28.95	28.45	28.98	28.37	28.79	28.41	28.72
15	28.53	29.08	28.40	28.75	28.38	28.78	28.25	28.67
16	28.85	29.26	28.33	28.85	28.25	28.63	28.67	28.97
17	28.87	29.34	28.28	28.65	28.32	28.69	28.27	28.70
18	28.87	29.25	28.31	28.61	28.38	28.74	28.08	28.87
19	28.76	29.09	28.23	28.55	28.20	28.52	28.61	28.90
20	28.78	29.19	28.12	28.44	27.94	28.38	28.51	28.93
21	28.53	28.95	28.13	28.52	28.01	28.79	28.72	29.08
22	28.46	28.81	28.00	28.35	28.34	28.66	28.42	28.84
23	28.50	28.85	27.84	28.23	28.37	28.71	28.57	28.96
24	28.50	29.15	27.72	28.15	28.08	28.61	28.35	28.74
25	28.89	29.19	27.69	28.12	27.38	28.08	28.53	28.87
26	28.78	29.14	27.88	28.29	27.25	28.25	28.50	29.09
27	28.75	29.14	28.12	28.46	28.08	26.45	28.83	29.34
28	28.72	29.08	28.06	28.45	28.11	28.42	28.69	28.99
29	28.75	29.09	28.01	28.40	28.27	28.60	28.52	28.82
30	28.75	29.08	28.04	28.37	28.50	28.75	28.53	28.81
31			28.04	28.38			28.51	29.16

Cal-Gd-6--Continued.

Tape measurements

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	27.24	Apr. 26	26.27	Aug. 10	29.35	Nov. 2	28.19
Feb. 28	26.96	May 19	26.21	Sept. 7	28.98	28	28.16
Mar. 23	26.24	June 28	27.62				

Cal-Gd 20. G. F. Beavan. Lat. 38°19'04", long. 76°27'18". In Solomons, second house south of Biological Laboratory. Records available: 1947-48. Measurement discontinued.

Cal-Gd 22. Esso Standard Oil Co. Lat. 38°19'10", long. 76°27'18". In Solomons, 0.3 mile east by north from post office. Records available: 1947-50. Jan. 24, 14.70; Feb. 28, 14.39; Apr. 26, 12.75; Aug. 10, 17.89; Nov. 2, 16.72.

Carroll County

Car-Bb 1. Mrs. Joe Elliott. Lat. 39°39'44", long. 77°10'33". Taneytown. Records available: 1946-50.

Jan. 3	2.20	Apr. 3	2.45	Aug. 7	6.90	Oct. 27	4.10
Feb. 2	1.40	May 2	2.17	Sept. 6	6.98	31	4.22
28	2.73	June 5	2.67	Oct. 11	4.96	Dec. 5	1.70
Mar. 3	2.82	July 10	5.60				

Car-Bf 1. Town of Hampstead well 1. Lat. 39°36'40", long. 76°51'00". Hampstead. Records available: 1946-47, 1949-50.

Jan. 12	73.43	Apr. 27	69.51	July 21	68.25	Nov. 28	74.62
Mar. 3	71.95	May 24	67.02	Sept. 25	71.30	Dec. 27	73.58
27	69.04	June 21	67.52	Oct. 27	72.07		

Car-Ce 2. Koontz Creamery. Lat. 39°34'43", long. 76°59'33". Westminster. On northwest side of Western Maryland Railroad tracks. Records available: 1948-49. Measurement discontinued.

Charles County

Ch-Bc 10. Mrs. Louise Brown. Lat. 38°36'15", long. 77°07'44". Potomac Heights, 0.2 mile northeast of State Roads Commission garage. Records available: 1947, 1949-50.

Jan. 25	31.75	May 3	31.39	Aug. 1	31.87	Oct. 30	30.80
Mar. 6	31.82	June 8	31.50	Sept. 7	32.05	Nov. 2	30.87
Apr. 6	31.31	July 6	31.49				

Ch-Bd 5. James W. Clark. Lat. 38°38'31", long. 77°04'13". 1.1 miles north of Bryans Rd. Records available: 1947. Measurement discontinued.

Ch-Bf 2. Maryland State Police, Barracks "H". Lat. 38°39'06", long. 76°52'50". Records available: 1947, 1949-50.

Jan. 25	16.49	May 3	15.20	Aug. 1	15.27	Oct. 5	15.31
Mar. 6	15.90	June 8	14.66	Sept. 7	15.84	31	15.32
Apr. 6	15.22	July 7	14.94				

Ch-Bf 22. U. S. Department of Justice. Lat. 38°37'04", long. 76°52'21". Records available: 1947. Measurement discontinued.

Ch-Cg 1. Southern Maryland Electric Cooperative. Hughesville. Lat. 38°32'00", long. 76°47'05". Records available: 1947. Measurement discontinued.

Ch-Cg 2. Lyons Department Store. Hughesville. Lat. 38°32'00", long. 76°47'05". Records available: 1947. Measurement discontinued.

Ch-Db 1. Mrs. M. C. Ward. Lat. 38°27'21", long. 77°13'05". Records available: 1947. Measurement discontinued.

Ch-Dc 2. Bernard C. Juhle. Lat. 38°27'24", long. 77°09'28". 2.4 miles south of Ironsides. Records available: 1948-50.

Jan. 9	20.12	Apr. 10	18.1	Aug. 15	27.70	Nov. 12	19.80
Feb. 10	20.36	May 12	18.3	Sept. 10	23.03	Dec.	19.34
Mar. 10	19.4	June 10	19.6	Oct. 12	20.63		

Ch-Dd 6. Roy Greer. Lat. 38°29'46", long. 77°04'00". 3.1 miles southwest of Port Tobacco. Records available: 1947, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	22.34	May 3	21.53	Aug. 1	22.60	Oct. 5	21.78
Mar. 6	22.44	June 8	22.01	Sept. 7	22.43	30	22.09
Apr. 6	21.57	July 6	21.99				

Ch-Df 1. Simpson's Store. Lat. 38°28'54", long. 76°52'23". Records available: 1947. Measurement discontinued.

Ch-Ee 15. J. B. Bowling. Lat. 38°21'06", long. 76°55'55". 0.3 mile south of Wayside. Records available: 1947. Measurement discontinued.

Ch-Ee 16. J. B. Bowling. Lat. 38°21'02", long. 76°56'00". 0.3 mile south of Wayside. Records available: 1947, 1949-50.

Jan. 25	15.71	May 3	15.20	Aug. 1	15.82	Oct. 6	15.75
Mar. 6	15.17	June 8	15.43	Sept. 7	15.79	30	16.39
Apr. 6	14.62	July 6	15.66				

Ch-Ee 32. Joseph Wemble. Lat. 38°29'43", long. 76°57'10". 0.4 mile south of Glass School, 2.8 miles south of Faulkner. Records available: 1947, 1949. Measurement discontinued.

Ch-Ff 24. Joseph Holton. Lat. 38°17'23", long. 76°52'34". 0.3 mile southeast of Issue. Records available: 1947, 1949-50.

Jan. 25	2.72	May 3	3.27	July 6	6.22	Sept. 7	6.86
Mar. 6	2.83	June 8	3.66	Aug. 1	6.85	Oct. 30	4.75
Apr. 6	2.31						

Frederick County

Fr-Bd 1. Town of Thurmont. High Run. Records available: 1946-50.

Jan. 4	11.46	Apr. 4	8.09	July 11	12.38	Oct. 11	13.02
Feb. 9	10.07	May 4	8.84	Aug. 10	13.69	Nov. 27	12.97
28	10.41	June 5	9.82	Sept. 7	14.32	Dec. 5	9.07
Mar. 3	10.82						

Fr-Cg 1. Jesse N. Nicodemus. Johnsville. Records available: 1946-50.

Jan. 20	39.24	Apr. 24	37.55	Sept. 25	37.36	Nov. 28	38.57
Mar. 3	38.10	July 21	38.78	Oct. 27	38.52	Dec. 27	37.00

Fr-Ee 1. Mrs. Roy Putnam. 0.65 mile west of Monocacy River bridge. Records available: 1946-50.

Jan. 4	52.05	June 7	49.54	Sept. 13	50.67	Oct. 24	51.67
Feb. 28	50.69	July 5	49.65	Oct. 9	50.98	Dec. 8	51.68
May 31	49.35	Aug. 18	50.71				

Fr-Fc 1. Montgomery Orrison. About 1 mile east of Point of Rocks. Records available: 1946-50.

Feb. 13	19.08	June 7	14.12	Aug. 23	21.10	Oct. 24	22.03
Apr. 10	9.99	July 14	17.55	Oct. 10	21.89	Dec. 14	8.60
May 8	12.19						

Fr-Fd 3. Thomas & Co. Adamstown. Records available: 1946-47. Measurement discontinued.

Garrett County

Gar-Ag 1. Town of Frostburg. In Savage River valley, about 4 miles north of Frostburg. Records available: 1946-50.

Jan. 19	5.71	June 5	7.59	Aug. 2	7.82	Oct. 25	7.80
Feb. 2	7.29	6	7.64	Sept. 6	7.90	Nov. 9	7.47
Mar. 15	7.57	July 10	7.72	Oct. 18	7.82	Dec. 13	7.47
Apr. 11	7.53						

Gar-Bb 1. R. O. McCullough. Friendsville. Records available: 1946-50. Water level may be affected by surface water running into well.

Gar-Bb 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 11	14.58	July 11	25.41	Sept. 6	25.51	Nov. 9	13.32
June 6	13.60	Aug. 2	20.38	Oct. 18	23.34	Dec. 13	10.52

Gar-Bc 1. E. H. Ault. Accident. Lat. $39^{\circ}37'49''$, long. $79^{\circ}19'05''$. Records available: 1949-50. June 6, 11.69; Oct. 25, 15.85.

Gar-Db 7. City of Oakland well 2. Records available: 1946-47. Measurement discontinued.

Harford County

Har-Bb 1. Karl C. Ascherfeld. Jarrettsville. Records available: 1946-47, 1949. Measurement discontinued.

Har-Cc 8. Maryland Water Works well Bynum 2. About 500 feet south of crossroads at Bynum. Records available: 1946-47, 1949-50. June 26, 6.82; Nov. 3, 4.14; Dec. 6, 1.76; Dec. 27, 1.90.

Har-Ed 24. U. S. Army. Lat. $39^{\circ}23'50''$, long. $76^{\circ}16'21''$. At Army Chemical Center, Edgewood. Records available: 1949-50.

Daily high and low water levels from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	.....	.....	18.48	19.00	.....	.....	17.34	18.56	17.58	18.37	17.24	18.04
2	.....	.....	18.25	18.92	.....	.....	17.67	18.26	17.58	18.24	17.58	18.25
3	.....	.....	18.38	19.41	.....	.....	17.54	18.20	17.67	18.32	17.29	18.01
4	.....	.....	18.77	19.26	.....	.....	17.69	18.22	17.60	18.28	17.57	18.25
5	.....	.....	18.69	19.38	.....	.....	17.81	18.57	17.72	18.39	17.72	18.37
6	.....	.....	18.32	18.84	.....	.....	18.47	19.12	17.69	18.48	17.60	18.08
7	.....	.....	18.36	19.23	.....	.....	18.63	19.39	.....	.....	17.70	18.20
8	.....	.....	18.53	19.38	.....	.....	17.58	18.63	.....	.....	17.83	18.32
9	.....	.....	17.81	18.61	.....	.....	17.87	18.55	.....	.....	17.81	18.32
10	.....	.....	18.38	19.10	.....	.....	17.82	18.44	.....	.....	17.59	18.10
11	.....	.....	18.51	19.13	.....	.....	17.99	18.59	.....	.....	17.69	18.53
12	.....	.....	18.33	18.90	.....	.....	18.21	18.75	.....	.....	18.04	18.56
13	.....	.....	18.44	18.98	.....	.....	17.94	18.79	.....	.....	17.37	18.05
14	.....	.....	18.27	18.96	.....	.....	18.57	19.02	.....	.....	17.20	17.90
15	.....	.....	17.78	18.57	18.11	18.60	18.63	19.07	.....	.....	17.72	18.34
16	.....	.....	17.99	18.56	18.60	18.99	18.13	18.68	.....	.....	17.70	18.32
17	.....	.....	18.09	18.79	17.64	18.73	17.80	18.34	.....	.....	17.25	18.03
18	.....	.....	18.21	18.96	17.40	19.00	17.98	18.49	.....	.....	17.65	18.42
19	.....	.....	17.79	18.69	18.92	19.32	17.97	18.58	.....	.....	17.25	17.98
20	.....	.....	18.69	19.65	18.52	19.11	17.92	18.52	.....	.....	17.60	18.10
21	.....	.....	18.37	19.51	18.12	18.64	17.96	18.53	.....	.....	17.41	18.04
22	.....	.....	18.16	18.54	17.91	18.74	17.84	18.52	.....	.....	17.75	18.20
23	.....	.....	18.11	18.70	17.47	18.09	17.95	18.51	17.35	17.77	17.56	18.12
24	18.45	18.73	17.78	18.62	18.02	18.62	17.93	18.46	17.51	18.24	17.40	17.99
25	18.54	18.95	18.35	19.13	17.98	18.52	17.70	18.20	17.80	18.25	17.50	18.27
26	18.30	18.80	18.92	19.37	18.08	18.64	17.84	18.35	17.70	18.24	17.59	18.28
27	18.79	19.65	19.22	19.47	17.74	18.22	17.70	18.31	17.68	18.23	17.33	18.13
28	18.78	19.65	18.60	19.27	17.37	18.09	17.63	18.22	17.53	18.12	17.85	18.40
29	18.01	18.89	.....	.....	18.06	18.63	17.50	18.02	17.27	18.05	17.32	18.14
30	18.45	19.38	.....	.....	18.63	18.97	17.43	18.00	17.56	18.19	17.31	17.91
31	18.46	19.54	.....	.....	18.32	18.84	.....	.....	17.30	18.04	.....	.....

Daily high and low water levels from recorder graph

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	17.53	18.14	17.50	17.96	17.36	17.96	17.63	18.14	17.19	17.60	17.36	18.06
2	17.64	18.22	17.74	18.74	17.57	18.28	17.66	18.13	17.11	17.51	17.11	17.67
3	17.58	18.18	17.50	17.93	17.77	18.14	17.41	17.94	17.09	17.68	16.98	17.49
4	17.66	18.18	17.64	18.89	17.50	18.08	17.33	18.20	16.52	17.45	16.70	17.65
5	17.78	18.16	17.80	18.25	17.81	18.44	17.15	18.20	16.45	17.94	17.62	18.08
6	17.98	18.27	17.90	18.48	18.05	18.44	17.30	18.03	17.27	17.95	17.05	17.79
7	17.93	18.27	17.43	18.43	17.38	18.05	17.56	17.97	17.36	17.84	16.40	17.57
8	17.72	18.38	17.19	17.91	17.49	18.11	17.25	17.90	17.04	17.72	16.51	17.17
9	17.88	18.38	17.24	18.07	17.77	18.25	16.97	17.55	16.65	17.52	16.61	17.41
10	17.65	18.17	17.62	18.29	17.68	18.10	16.97	17.11	16.93	17.85	16.92	17.34

Har-Ed 24--Continued.

Daily high and low water levels from recorder graph

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
11	17.50	18.11	17.80	18.36	17.80	18.25	16.99	17.25	17.53	18.12	16.59	17.34
12	17.65	18.19	18.03	18.44	16.98	18.04	17.08	17.56	17.42	17.99	16.61	17.28
13	17.73	18.30	17.72	18.38	16.92	17.46	17.31	18.03	17.28	17.94	16.68	17.60
14	17.83	18.37	17.80	18.26	17.16	17.88	17.49	18.26	17.28	18.08	16.85	17.41
15	17.91	18.54	17.60	18.24	17.12	18.03	17.49	18.35	17.39	17.91	16.88	17.29
16	17.55	18.13	17.41	17.89	17.50	18.28	17.43	18.33	17.25	17.69	16.87	18.03
17	17.75	18.22	17.44	18.18	17.70	18.29	17.42	18.09	17.28	18.24	16.68	17.74
18	17.78	18.30	17.60	18.04	17.53	18.14	17.10	18.13	17.75	18.24	17.10	17.76
19	17.50	18.36	17.37	17.80	17.34	18.20	17.56	17.99	16.82	17.75	17.24	17.74
20	17.53	18.13	17.23	18.27	17.90	18.45	17.39	17.92	16.65	17.30	16.97	17.44
21	17.83	18.38	17.75	18.21	17.57	18.37	17.41	17.92	17.30	18.42	17.39	17.96
22	17.71	18.32	17.19	18.10	17.46	17.94	17.29	17.69	17.46	18.28	16.64	17.51
23	17.68	18.33	17.60	18.19	17.32	17.88	17.19	17.73	17.44	18.00	16.89	17.74
24	17.68	18.33	17.61	18.22	17.35	18.32	16.89	17.52	16.79	17.80	16.86	17.39
25	17.23	18.34	17.65	18.20	17.92	18.32	17.00	17.46	15.14	16.92	16.95	17.54
26	17.72	18.35	17.63	18.20	17.72	18.19	17.22	17.95	15.25	16.68	17.13	17.65
27	17.62	18.29	17.61	18.12	17.71	18.23	17.33	17.97	16.45	17.32	17.35	18.20
28	17.60	18.18	17.51	18.07	17.63	18.17	17.29	17.82	16.70	17.34	17.12	17.55
29	17.47	18.10	17.39	17.89	17.66	18.15	17.19	17.75	16.85	17.51	16.80	17.50
30	17.45	18.04	17.54	18.21	17.64	18.13	17.19	17.83	17.11	17.69	16.76	17.31
31	17.57	18.09	17.52	17.97			17.30	17.83			16.74	17.48

Tape measurements

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	19.35	Apr. 6	18.50	June 26	18.10	Sept. 28	17.89
24	18.69	May 22	17.80	July 24	17.90	Nov. 3	17.37
Feb. 17	18.33	23	17.52	Aug. 15	17.74	Dec. 6	17.69
Mar. 15	18.31						

Howard County

How-Bd 1. S. D. Slack. Slack's Corner. Records available: 1946-50.

Jan. 6	40.93	June 7	37.32	Sept. 8	37.83	Oct. 27	39.18
Feb. 3	42.33	12	37.54	27	38.33	Nov. 3	39.88
Mar. 31	39.37	Aug. 9	37.78	Oct. 6	38.59	Dec. 5	37.50
May 4	38.10						

How-Bd 2. Street. 0.85 mile northeast of West Friendship. Records available: 1947. Measurement discontinued.

How-Bf 1. Maryland Water Works Co. well Old 1. Lat. 39°16'50", long. 76°48'26". About 1 mile north of Ellicott City. Records available: 1946-47. No measurement made in 1950.

Montgomery County

Mont-Be 1. Mount Lebanon Church. 1.75 miles east of Damascus. Records available: 1949-50.

Jan. 12	43.62	Apr. 27	30.64	July 21	34.94	Nov. 28	43.34
Mar. 3	35.29	May 24	30.02	Sept. 26	40.40	Dec. 27	41.98
27	24.39	June 21	31.57	Oct. 27	42.37		

Mont-Cf 1. Village of Mount Zion. Lat. 39°11'00", long. 77°06'09". Records available: 1949-50.

Jan. 12	12.16	Apr. 28	9.09	July 21	9.15	Nov. 28	7.81
Mar. 3	9.75	May 24	8.83	Sept. 26	10.72	Dec. 27	8.92
26	8.46	June 21	8.35	Oct. 27	11.11		

Mont-Dc 1. J. D. Byrd. Lat. 39°07'43", long. 77°21'00". Records available: 1949-50.

Jan. 12	8.42	Apr. 27	11.84	July 21	4.22	Nov. 28	4.57
Mar. 3	3.65	May 24	9.60	Sept. 26	5.53	Dec. 27	3.53
26	2.36	June 21	12.62	Oct. 27	7.52		

Mont-De 1. Washington Suburban Sanitary Commission. Lat. 39°08'31", long. 77°12'18". In Gaithersburg. Records available: 1948-50

Mont-De 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 24	10.33	July 18	10.26	Aug. 21	13.55	Oct. 2	12.30
June 12	10.85	24	10.55	Sept. 5	13.25	Nov. 15	11.52
19	11.95	31	11.30	14	12.59	21	11.54
26	11.30	Aug. 10	12.50	18	14.83	Dec. 5	9.95
July 10	11.95	15	13.15	25	12.01		

Mont-Ef 8. City of Rockville. Lat. 39°04'39", long. 77°08'16". In Rockville, about 0.5 mile southeast of junction of U. S. Highway 240 and State Highway 586. Records available: 1949. No measurement made in 1950.

Mont-Ef 9. City of Rockville. In Rockville, 0.65 mile west of intersection of Baltimore & Ohio Railroad and State Highway 586. Records available: 1946-47. No measurement made in 1950.

Mont-Eg 1. Walter M. Brown. Lat. 39°04'00", long. 77°01'31". 1.5 miles southwest of Colesville. Records available: 1932-50.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.41	15.81	14.66	14.05	15.06	14.14	14.84	15.81	16.47	15.18	15.28	14.57
2	16.40	15.37	14.73	14.07	15.07	14.09	14.90	15.81	16.47	15.22	15.30	14.52
3	16.39	15.36	14.80	14.09	14.98	14.08	14.94	15.83	16.49	15.23	15.32	14.46
4	16.39	15.43	14.85	14.12	14.95	14.65	14.99	15.88	16.47	15.25	15.29	13.90
5	16.40	15.47	14.84	14.15	14.89	14.62	15.03	15.90	16.49	15.30	15.26	13.49
6	16.39	15.45	14.87	14.22	14.83	14.67	15.05	15.94	16.52	15.34	15.30	13.53
7	16.39	15.43	14.92	14.27	14.85	14.09	15.12	15.98	16.52	15.38	15.31	13.48
8	16.40	15.45	14.88	14.30	14.90	14.14	15.17	16.01	16.53	15.39	15.31	13.06
9	16.40	15.24	14.94	14.35	14.92	14.17	15.21	16.05	16.55	15.34	15.31	12.97
10	16.39	15.07	15.02	14.40	14.92	14.17	15.22	16.07	16.45	15.28	15.32	12.93
11	16.39	14.99	15.01	14.40	14.95	13.92	15.26	16.11	15.87	15.29	15.35	12.89
12	16.40	15.03	14.90	14.44	14.98	13.91	15.28	16.14	15.64	15.29	15.38	12.89
13	16.37	15.02	14.87	14.50	14.98	13.95	15.30	16.18	15.38	15.33	15.40	12.93
14	16.34	14.82	14.89	14.55	15.01	13.96	15.34	16.22	15.23	15.37	15.42	12.95
15	16.34	14.56	14.90	14.60	14.90	14.03	15.38	16.25	15.23	15.39	15.44	12.92
16	16.33	14.57	14.90	14.65	14.59	14.08	15.31	16.28	15.26	15.44	15.44	12.80
17	16.34	14.60	14.90	14.67	14.55	14.13	15.28	16.31	15.28	15.45	15.45	12.78
18	16.32	14.59	14.90	14.70	14.47	14.22	15.30	16.35	15.30	15.46	15.48	12.75
19	16.33	14.56	14.99	14.75	14.19	14.24	15.34	16.38	15.30	15.47	15.50	12.80
20	16.34	14.59	15.00	14.77	14.14	14.29	15.38	16.21	15.30	15.48	15.50	12.89
21	16.35	14.59	14.77	14.81	14.15	14.29	15.42	16.22	15.30	15.51	15.50	13.02
22	16.33	14.55	14.65	14.87	14.16	14.34	15.47	16.25	15.17	15.53	15.53	13.08
23	16.33	14.55	13.88	14.86	14.18	14.39	15.50	16.27	15.06	15.36	15.55	13.17
24	16.33	14.59	14.00	14.88	14.18	14.42	15.53	16.30	15.08	15.25	15.57	13.21
25	16.34	14.63	14.04	14.92	14.20	14.48	15.56	16.31	15.10	15.22	15.00	13.36
26	16.34	14.64	14.06	14.94	14.23	14.54	15.59	16.33	15.12	15.22	14.61	13.46
27	16.34	14.67	14.01	14.99	14.26	14.60	15.62	16.36	15.13	15.23	14.60	13.59
28	16.34	14.68	13.98	15.01	14.29	14.69	15.65	16.37	15.13	15.23	14.60	13.65
29	16.33		14.00	15.04	14.31	14.74	15.68	16.40	15.15	15.23	14.59	13.63
30	16.33		14.02	15.07	14.35	14.78	15.73	16.42	15.17	15.24	14.58	13.58
31	16.11		14.05		14.38		15.77	16.44		15.25		13.68

Tape measurements

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.39	May 3	14.96	July 31	15.77	Oct. 30	15.24
30	16.32	31	14.37	Aug. 31	16.45	Nov. 30	14.56
Feb. 27	14.67	June 30	14.79	Oct. 2	15.22	Dec. 29	13.53
Mar. 31	14.06						

Prince Georges County

PG-Ad 8. Francis Gosnell. Lat. 39°06'21", long. 76°51'10". 605½ Main St., Laurel. Records available: 1949-50.

Jan. 4	15.09	Mar. 28	13.28	June 7	14.28	Nov. 17	14.21
Feb. 10	14.05	Apr. 3	12.86	Sept. 19	14.60	Dec. 31	13.75
Mar. 3	13.47						

PG-Bd 17. Beltsville Research Center. Lat. 39°01'55", long. 76°53'31". At Dairy Experiment Station. Records available: 1949-50. Jan. 26, 22.78; Mar. 29, 22.08; June 28, 23.19; Sept. 19, 22.49; Nov. 2, 22.30; Nov. 17, 22.25.

PG-Cc 3. Southern Oxygen Co., Inc. Lat. 38°55'41", long. 76°56'08". 0.5 mile south of Bladensburg, on River Rd. Records available: 1948-50. Feb. 8, 8.52; Mar. 28, 8.24; June 28, 9.56; Sept. 27, 9.55; Nov. 2, 9.32; Nov. 17, 9.30.

PG-Dc 1. C. L. Jenkins & Sons. Lat. 38°51'19", long. 76°56'10". 0.5 mile north-west of Suitland. Records available: 1948-50. Feb. 8, 200.13; Mar. 28, 199.48; Sept. 27, 200.08; Nov. 2, 199.64; Nov. 17, 199.87.

PG-Df 2. Dr. Bowie. Lat. 38°51'54", long. 76°43'16". 2.1 miles south of Central Ave. Records available: 1948-50.

Jan. 24	73.59	Mar. 23	73.29	May 19	73.64	Sept. 27	74.06
Feb. 28	73.76	Apr. 26	73.62	June 28	74.26	Nov. 30	73.63

PG-Df 5. Charles F. Thorington. 0.3 mile west of Patuxent River. Records available: 1949-50. Feb. 28, 4.42; Mar. 23, 3.76; Apr. 26, 4.88; June 28, 5.46; Sept. 27, 4.34.

PG-Eb 2. Washington Suburban Sanitary Commission. Lat. 38°48'30", long. 77°00'20". Forest Heights. Records available: 1948-49. No measurement made in 1950.

PG-Ec 10. Ralph E. Clark. Lat. 38°56'06", long. 76°59'34". 2 miles south-southwest of Oxon Hill, 0.2 mile east of intersection of Indian Head highway with Broad Creek. Records available: 1949-50. Feb. 8, 31.53; Mar. 28, 31.30; June 28, 31.72; Sept. 27, 32.13; Nov. 17, 33.16.

PG-Ef 1. Fairgrounds. Upper Marlboro. Lat. 38°48'41", long. 76°44'34". 0.5 mile southeast of post office, near northeast corner of race track. Records available: 1947-50.

Jan. 24	3.46	Mar. 28	3.61	June 28	2.70	Nov. 30	3.30
Feb. 28	3.57	Apr. 26	3.56	Sept. 29	2.95		

PG-Ef 2. Wyvill Esso Station. Lat. 38°49'23", long. 76°43'42". 1.4 miles east of Upper Marlboro. Records available: 1947-48. Measurement discontinued.

PG-Fd 16. A. T. Robinson. Lat. 38°41'00", long. 76°52'21". 0.75 mile south of junction of U. S. Highway 301 and State Highway 5. Records available: 1949-50.

Jan. 24	17.14	Apr. 26	14.58	June 28	13.93	Nov. 2	15.17
Feb. 28	15.60	May 19	12.45	Sept. 27	15.05	30	14.50
Mar. 28	13.75						

St. Marys County

St. M.-Bb 2. U. S. Navy railroad. Lat. 38°28'50", long. 76°46'34". New Market. Records available: 1947, 1949-50. Jan. 26, 6.37; Mar. 7, 5.98; Apr. 7, 4.80; May 4, 5.31; June 9, 6.30; Sept. 8, 6.19; Oct. 5, 4.29.

St. M.-Cb 2. S. S. Mattingly. Lat. 38°22'08", long. 76°47'00". Chaptico. Records available: 1947. No measurement made in 1950.

St. M.-Db 24. Clifton Downs. Lat. 38°17'17", long. 76°46'29". Records available: 1949-50. Jan. 25, 4.61; Mar. 5, 4.01; Apr. 6, 3.06; May 3, 4.14; June 8, 5.22; July 6, 7.09; Sept. 7, 8.02.

St. M.-Df 8. U. S. Navy. Lat. 38°17'19", long. 76°26'08". Patuxent Naval Air Test Center near Lexington Park. Records available: 1949. No measurement made in 1950.

St. M.-Df 23. C. S. Piggott. Lat. 38°18'00", long. 76°27'59". On south shore of Hominy Creek. Records available: 1947, 1949-50.

Jan. 25	33.39	May 4	32.94	July 6	35.70	Sept. 8	39.17
Mar. 6	33.32	June 9	33.25	Aug. 3	36.25	Oct. 5	38.22
Apr. 7	34.36						

St. M.-Df 24. Frank Borley. Lat. 38°19'17", long. 76°29'44". On east shore of Little Kingston Creek. Records available: 1947, 1949-50.

Jan. 26	4.19	May 4	3.96	July 7	4.48	Sept. 8	5.15
Mar. 6	4.11	June 9	4.08	Aug. 3	4.71	Oct. 5	5.43
Apr. 7	4.20						

St. M. -Df 26. Thomas K. Clark. Lat. $38^{\circ}17'33''$, long. $76^{\circ}29'39''$. 0.8 mile east-southeast of California. Records available: 1947, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	52.43	May 4	52.60	July 7	52.45	Sept. 8	52.46
Mar. 6	52.71	June 9	52.27	Aug. 3	52.44	Oct. 5	52.94
Apr. 7	52.54						

St. M. -Ee 23. State of Maryland. Lat. $38^{\circ}13'23''$, long. $76^{\circ}34'16''$. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	2.46	Apr. 6	2.06	June 9	2.22	Sept. 8	2.61
Mar. 5	2.26	May 3	2.24	Aug. 2	2.57	Oct. 5	2.70

St. M. -Ee 24. State of Maryland. Lat. $38^{\circ}14'19''$, long. $76^{\circ}33'16''$. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	2.22	Apr. 6	1.90	June 8	2.03	Aug. 2	2.67
Mar. 6	2.10	May 3	2.14	July 6	2.22	Sept. 7	2.84

St. M. -Ef 27. J. A. Coad. Lat. $38^{\circ}10'37''$, long. $76^{\circ}27'10''$. Portobello. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	7.35	May 3	7.09	July 7	7.64	Sept. 8	8.36
Apr. 6	7.15	June 9	7.28	Aug. 3	7.89	Oct. 5	8.70

St. M. -Eg 3. Mrs. J. W. Elms. Lat. $38^{\circ}12'02''$, long. $76^{\circ}22'34''$. On shore of Chesapeake Bay, 1.2 miles northeast of St. James. Records available: 1947, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	15.00	May 3	15.18	July 7	15.16	Sept. 8	15.18
Mar. 6	15.32	June 9	15.20	Aug. 2	15.40	Oct. 4	15.34
Apr. 7	15.35						

St. M. -Ff 2. Albert Senior. Lat. $38^{\circ}06'12''$, long. $76^{\circ}28'29''$. On St. George Island, near Deep Point. Records available: 1947. No measurement made in 1950.

St. M. -Fg 4. John A. Bradburn. 1.4 miles east-southeast of Ridge, on Fresh Pond Neck. Records available: 1947, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	9.31	May 4	9.39	July 7	9.15	Sept. 8	9.62
Mar. 7	8.48	June 9	9.35	Aug. 2	9.67	Oct. 4	9.56
Apr. 7	9.55						

St. M. -Fg 19. H. P. Trossbach. Lat. $38^{\circ}06'54''$, long. $76^{\circ}21'16''$. 1 mile east of Ridge, on Airedale peninsula. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	2.75	May 3	3.33	July 7	3.35	Sept. 8	3.56
Mar. 7	3.52	June 9	3.27	Aug. 2	3.76	Oct. 4	3.34
Apr. 7	3.41						

Washington County

Wa-Ac 1. Susan Creager. Hancock. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	51.95	May 2	51.75	Aug. 4	55.26	Oct. 24	53.18
Feb. 7	48.64	June 5	50.82	Sept. 12	52.24	30	53.16
Mar. 2	52.92	July 12	53.63	Oct. 3	53.32	Dec. 6	44.54
Apr. 5	51.64						

Wa-Be 1. A. L. Dayhoff. Indian Springs. Records available: 1946-47. Measurement discontinued.

Wa-Be 2. State of Maryland. In Fort Frederick State Park. Dug unused well, diameter 42 inches, depth 42.7 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 1, 1949	34.37	Sept. 7, 1950	34.41	Oct. 15, 1950	30.23	Dec. 1, 1950	28.26
June 5, 1950	29.25	17	34.02	Nov. 1	30.17	15	22.68
17	29.07	Oct. 1	32.86	16	30.91		

Wa-Bf 1. State of Maryland. Lat. $39^{\circ}39'19''$, long. $77^{\circ}56'13''$. 0.25 mile west of Clear Spring. Records available: 1949-50. June 5, 30.60; Oct. 24, 29.49.

Wa-Bh 3. Mel Sword. About 1.7 miles west of Hagerstown. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	34.34	Apr. 4	22.97	July 11	26.52	Oct. 31	28.73
Feb. 10	21.53	May 3	25.76	Aug. 11	27.20	Dec. 7	16.28
Mar. 21	24.66	June 5	26.53	Oct. 24	26.06		

Wa-Dh 1. John Murphy. Sharpsburg. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	25.48	May 5	27.47	Aug. 15	27.69	Oct. 24	24.31
Feb. 7	25.05	June 7	25.23	Sept. 12	23.06	Nov. 1	27.26
Mar. 2	26.15	July 13	25.60	Oct. 5	25.53	Dec. 13	22.42
Apr. 6	25.36						

EASTERN SHORE

By G. E. Andrcasen

Scope of Water-Level Program

In 1949 a program of ground-water investigations of the Eastern Shore was begun in cooperation with the Maryland Department of Geology, Mines and Water Resources. Prior to 1949, 12 observation wells were measured on the Eastern Shore under a State-wide program. During 1949, 16 observation wells were established. In 1950, 294 individual measurements were made in 19 wells. Sixteen of the wells are constructed of 1½-inch steel pipe with a 2-foot drive-point screen and range in depth from 9 feet to 25 feet. Recording gages were maintained throughout the year on two wells. Observation well locations are shown in figure 14.

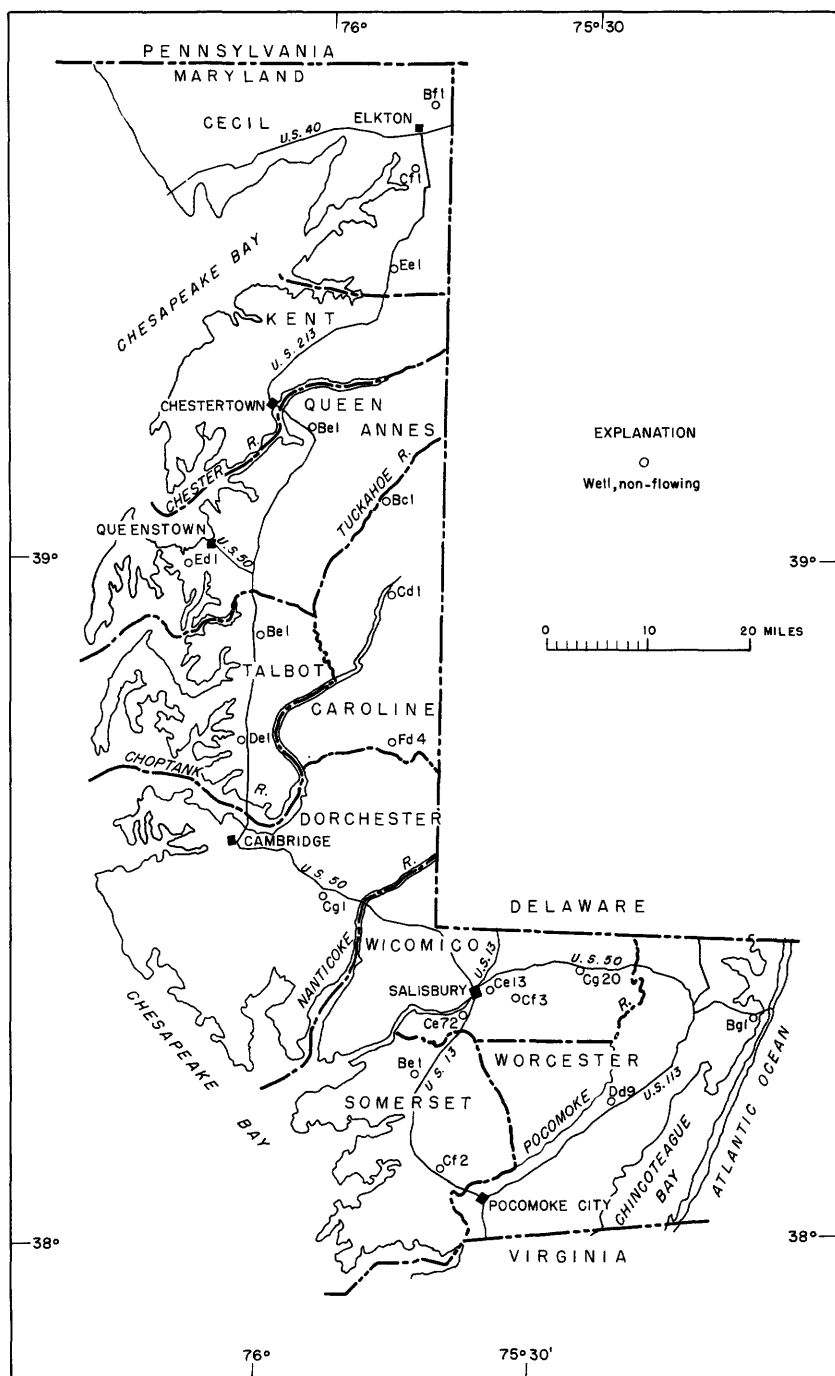
Interpretation of Water-Level Fluctuations

High water levels occur during winter months when precipitation is high; low water levels occur during late summer and fall when precipitation is comparatively low. The observation well at the Salisbury Airport (Wi-Cf 3) (see fig. 15) is equipped with a recording gage. Although the water level in this well represents the phreatic ground-water level, the fluctuations do show the influence of barometric pressure changes. The driller's log shows a continuous column of sand the full depth of the well which is 109 feet. The fact that the well varies with changes in air pressure suggests a non-uniform vertical permeability. Figure 15 shows the hydrograph, precipitation barograph, and the atmospheric pressure in feet of water for this well. It has been found that, in the course of shallow augering, clay lenses and sandy-clay zones are prevalent throughout the area. It is possible that observation wells driven to shallow depths reflect atmospheric pressure changes.

Water levels, measured monthly throughout the Shore, show no significant change on the average from the 1949 water levels. Water levels in the three wells in Caroline County (Bc 1, Cd 1 and Fd 4) were somewhat higher than the 1949 measurements. Water levels in Cecil County (Ee 1, Cf 1 and Bf 1) were slightly lower than the preceding year. Water levels in Ed 1, Queen Annes County, were higher than the 1949 measurements, while Be 1 in the same county showed lower water levels as compared with the previous year. The water-level measurements made in the observation wells in Dorchester, Somerset, Talbot, Wicomico, and Worcester Counties remained essentially unchanged. The hydrograph for Wi-Ce 13, in the city of Salisbury well field, shows that the water levels have lowered approximately 2 feet in 1950, as compared with 1949. This drop is attributed to increased pumpage from the city well field.

Well-Numbering System

The numbers assigned to the observation wells on the Eastern Shore indicate their approximate location. The wells are first grouped by counties and each county is subdivided into 5-minute quadrangles formed by lines of longitude and latitude. The wells are numbered consecutively in each quadrangle. For example, consider observation well Care-Dc 56: "Care" denotes Caroline County, "D" indicates the fourth quadrangle from the top (north) of the county map; "c" indicates the third quadrangle from the left side (west) of the map; and the number indicates that it is the fifty-sixth well mentioned in the Dc quadrangle.



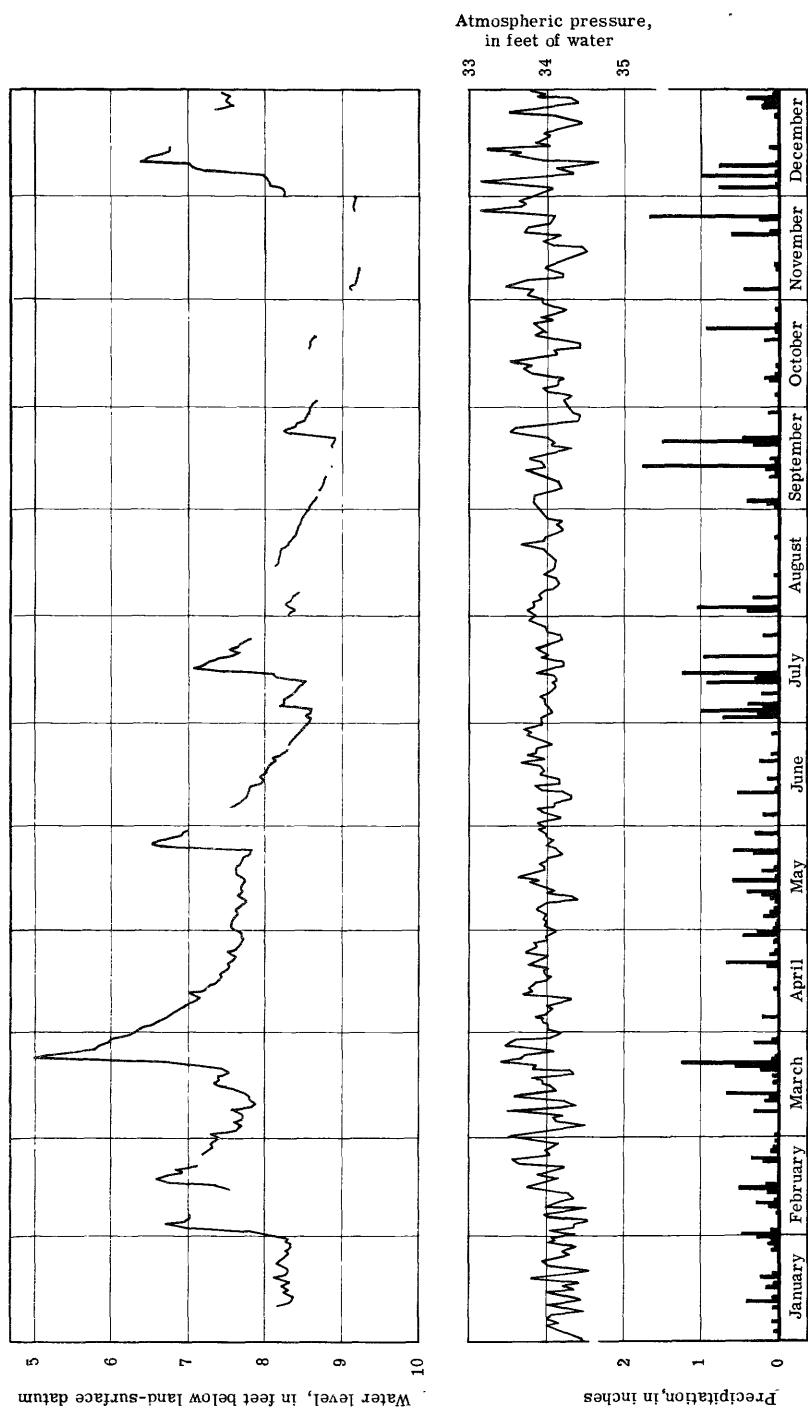


Figure 15.—Fluctuations of water level in well Wi-Cf 3, atmospheric pressure, and precipitation at Salisbury airport, Md., 1950.

Well Descriptions and Water-level Measurements

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

Caroline County

Care-Bc 1. W. Colliers. On east side of State Highway 313, near Ingleside, 300 feet north of intersection of State Highway 312. Driven observation well, depth 20.5 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	0.85	Apr. 24	0.42	Aug. 2	1.33	Oct. 26	0.05
Feb. 28	.59	May 31	.32	28	1.93	Dec. 1	.03
Mar. 31	.29	July 3	1.21	Oct. 1	.30		

Care-Cd 1. Lane Chicken Farm. On west side of State Highway 313, near Denton, 1.2 miles north of intersection of State Highway 317. Driven observation well, depth 10 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	4.93	Apr. 24	2.94	Aug. 2	4.56	Oct. 30	3.11
Feb. 28	4.05	May 31	2.82	28	5.17	Nov. 27	2.09
Mar. 31	1.73	July 3	4.04	Oct. 1	2.49	Dec. 28	2.03

Care-Fd 4. N. Lannule. On west side of State Highway 313, 1.75 miles north of Federalsburg. Driven observation well, depth 9 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	5.10	Apr. 24	2.81	Aug. 2	3.10	Oct. 30	3.02
Feb. 28	4.30	May 31	2.20	28	3.72	Nov. 27	1.97
Mar. 31	2.50	July 3	2.37	Oct. 1	2.10	Dec. 28	1.82

Cecil County

Ce-Bf 1. Philadelphia, Baltimore & Wilmington Railroad. 50 feet southwest of Iron Hill railroad station. Drilled unused well, diameter 6 inches, depth 71 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	6.60	Apr. 28	6.96	Aug. 2	8.45	Oct. 26	7.24
28	6.82	May 26	7.99	28	9.48	Dec. 1	6.57
Mar. 30	5.62	July 3	8.13				

Ce-Cf 1. State Roads Commission. On west side of State Highway 213, 2.2 miles south of intersection of U. S. Highway 40. Driven observation well, depth 10 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	2.30	Apr. 28	2.40	Aug. 1	4.45	Oct. 26	3.03
28	2.71	May 26	2.98	28	5.44	Dec. 1	2.96
Mar. 30	2.73	July 3	4.01	Oct. 1	3.66		

Ce-Ee 1. State Roads Commission. On east side of State Highway 213, 0.7 mile south of Cecilton. Driven observation well, depth 20 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	9.94	Apr. 28	8.61	Aug. 1	9.30	Oct. 26	10.32
28	9.54	May 26	8.72	28	9.75	Dec. 1	9.84
Mar. 30	8.76	July 3	9.02	Oct. 1	10.16		

Dorchester County

Dor-Cg 1. State Roads Commission. On north side of old road to Salem, 0.1 mile west of U. S. Highway 50. Driven observation well, depth 12 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	1.79	Apr. 28	1.13	Aug. 1	2.87	Oct. 30	3.70
Mar. 1	1.24	May 26	1.01	28	3.53	Nov. 29	4.12
28	.43	July 3	2.59	Sept. 27	3.16	Dec. 28	2.50

Kent County

Ken-Dc 1. Catherine Overbeck. On west shore of Chester River, near Pomona, 0.7 mile northeast of Deep Point. Drilled domestic well, diameter 6 inches, depth 87 feet. Records available: 1947-48. No measurement made in 1950.

Queen Annes County

QA-Be 1. State Roads Commission. On north side of U. S. Highway 213, near Chestertown, 0.4 mile west of intersection of State Highway 544. Driven observation well, depth 205 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	2.25	Apr. 28	1.17	Aug. 1	2.44	Oct. 26	3.19
28	1.84	May 26	2.56	28	2.93	Dec. 1	2.54
Mar. 31	.93	July 3	2.16	Oct. 1	3.06		

QA-Ed 1. Carey Washington. On east side of U. S. Highway 50, 1.5 miles southwest of intersection of State Highway 18. Driven observation well, depth 21 feet. Records available: 1949-50.

Feb. 2	6.04	Apr. 28	2.07	Aug. 1	4.12	Oct. 26	3.95
Mar. 2	4.64	May 26	1.96	28	5.53	Nov. 27	1.92
28	1.21	July 3	4.17	Sept. 27	4.23		

Somerset County

Som-Be 1. State Roads Commission. On north side of State Highway 362, near Princess Anne, 1.3 miles west of U. S. Highway 13. Driven observation well, depth 22.5 feet. Records available: 1949-50.

Jan. 31	0.31	May 2	0.79	July 31	2.11	Oct. 29	3.00
Feb. 27	.34	25	.98	Aug. 30	2.80	Nov. 29	1.55
Mar. 30	.15	July 1	3.19	Sept. 29	2.63	Dec. 29	1.18

Som-Cf 2. State Roads Commission. On north side of U. S. Highway 13, 1.5 miles southeast of Greenhill Road fork. Driven observation well, depth 15 feet. Records available: 1949-50.

Jan. 31	1.18	May 2	1.12	July 31	4.64	Oct. 29	5.71
Feb. 27	.98	25	1.26	Aug. 30	5.28	Nov. 29	5.95
Mar. 30	.83	July 1	4.53	Sept. 29	5.37	Dec. 29	5.43

Talbot County

Tal-Be 1. Fred J. Hall. On east side of U. S. Highway 50, north of Easton, 2.9 miles north of intersection of State Highway 309. Driven observation well, depth 16 feet. Records available: 1949-50.

Feb. 3	11.88	Apr. 28	11.75	Aug. 1	12.87	Oct. 30	12.52
Mar. 2	12.02	May 26	11.78	28	13.29	Nov. 29	11.92
28	11.46	July 3	12.61	Sept. 27	12.31	Dec. 28	11.67

Tal-De 1. L. Lowman. On west side of U. S. Highway 50, 5.6 miles south of Easton. Driven observation well, depth 16.5 feet. Records available: 1949-50.

Feb. 3	7.55	Apr. 28	4.47	Aug. 1	5.68	Oct. 30	6.91
Mar. 2	7.06	May 26	4.67	28	6.40	Nov. 29	6.72
28	3.88	July 3	5.47	Sept. 27	6.30	Dec. 28	6.08

Wicomico County

Wi-Bf 2. W. T. Holland. 1.5 miles south of Delmar, 0.4 mile west of U. S. Highway 13. Drilled unused domestic well, diameter 2 inches, depth 85 feet. Records available: 1947-48. No measurement made in 1950.

Wi-Ce 13. City of Salisbury. Salisbury. On south bank of South Prong, about 600 feet east of dam. Drilled unused well, diameter 10 inches, depth 65 feet. Records available: 1947-50.

Daily high and low water levels from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	4.14	4.95	4.30	6.10	4.73	6.53	4.22	6.10	3.83	5.95	....	....
2	4.03	6.27	4.30	6.12	5.01	6.53	3.91	4.83	4.35	6.00	....	....
3	....	6.43	4.42	6.18	4.74	6.62	3.31	5.93	4.22	6.05	....	....
4	4.72	6.50	4.10	5.13	5.05	6.60	4.28	6.00	4.34	6.05	....	....
5	4.79	6.52	3.90	5.38	4.32	5.16	4.31	6.08	4.51	6.10	....	6.76
6	4.90	6.53	3.76	5.92	4.20	6.39	4.30	6.02	4.45	6.14	5.69	6.91
7	4.76	6.42	4.18	6.12	4.82	6.45	4.33	6.15	4.51	5.93	6.00	7.01
8	4.34	5.09	4.44	6.20	4.65	6.40	4.45	6.03	4.17	6.08	6.02	7.09

Wi-Ce 13--Continued.

Daily high and low water levels from recorder graph

Day	January		February		March		April		May		June	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
9	4.10	6.15	4.35	6.15	4.69	6.37	4.20	5.69	4.60	6.20	6.06	7.01
10	4.38	6.25	4.37	6.19	4.59	6.41	3.99	6.03	4.61	6.26	5.61	6.78
11	4.58	6.44	4.41	6.11	4.73	6.37	4.38	6.21	4.77	6.31	5.25	6.32
12	4.82	6.50	4.33	5.71	4.51	5.39	4.53	6.27	4.87	6.37	5.00	6.68
13	4.70	6.41	4.00	6.08	4.18	6.10	4.60	6.34	4.98	6.20	5.40	6.85
14	4.61	6.42	4.39	6.18	4.37	6.30	4.65	6.37	3.95	4.54	5.59	6.82
15	4.68	6.06	4.40	6.20	4.61	6.39	4.66	6.36	3.84	....	5.20	6.86
16	4.25	6.28	4.50	6.22	4.69	6.42	4.13	5.00	....	....	5.54	6.98
17	4.60	6.40	4.43	6.28	4.71	6.42	4.00	6.04	....	....	5.64	7.02
18	4.70	6.42	4.53	6.32	4.69	6.36	4.35	6.19	....	....	5.54	6.79
19	4.80	6.42	4.20	5.60	4.22	4.85	4.58	6.29	....	....	5.70	7.01
20	4.62	6.43	4.00	6.11	4.11	6.13	4.82	6.30	....	....	5.72	6.89
21	4.76	6.51	....	....	4.33	6.12	4.48	6.21	....	....	5.70	6.98
22	4.47	6.54	....	....	4.37	6.19	4.55	6.20	....	6.66	5.34	7.01
23	4.20	5.98	....	6.10	4.17	5.88	4.33	5.80	5.22	6.76	5.80	7.12
24	4.17	6.21	4.23	6.03	4.07	5.98	4.04	6.05	5.36	6.84	5.80	7.14
25	4.51	6.38	4.28	6.03	4.20	6.02	4.37	6.12	5.56	6.87	5.75	6.99
26	4.69	6.40	3.90	4.47	3.82	4.53	4.44	6.11	5.37	6.72	5.68	7.14
27	4.70	6.43	3.82	6.22	3.74	5.87	4.36	6.18	5.49	6.81	6.17	7.32
28	4.70	6.33	4.55	6.38	4.18	5.97	4.63	6.21	4.88	5.96	6.20	7.41
29	4.22	5.08	....	....	4.20	6.09	4.58	6.08	4.71	....	6.27	7.49
30	4.03	5.98	....	....	4.39	5.90	3.90	4.49	....	....	6.28	7.53
31	4.16	6.01	....	....	4.05	6.01	....	....	....	....	....	....

Daily high and low water levels from recorder graph

Day	July		August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
1	6.51	7.61	6.42	7.74	7.35	8.40	4.46	4.88	....	....	....	5.34
2	6.29	7.24	6.78	7.86	7.63	8.51	4.40	6.81	....	....	3.58	3.80
3	6.08	7.46	6.68	7.86	6.82	7.89	....	7.15	....	7.06	3.50	3.58
4	6.27	7.36	6.64	7.87	6.34	7.40	5.70	7.29	4.92	6.16	3.48	3.50
5	5.92	7.12	6.65	7.90	....	....	5.81	7.32	4.74	4.92	3.48	4.99
6	5.56	6.99	5.83	7.19	....	....	5.78	7.17	4.58	6.75	3.54	4.91
7	5.33	6.97	5.62	7.40	....	....	4.98	5.94	5.03	6.70	3.43	4.99
8	5.32	7.00	....	....	....	....	4.80	6.94	5.30	7.12	3.40	3.42
9	4.84	5.73	....	....	....	....	5.40	7.20	5.47	6.96	3.38	4.67
10	4.74	6.94	....	....	....	....	5.83	7.35	5.35	6.85	3.26	3.40
11	4.70	7.09	....	....	....	....	....	....	5.06	6.87	3.24	4.61
12	4.93	7.21	....	....	....	....	....	....	4.73	5.30	3.30	3.80
13	5.21	7.21	....	....	....	....	....	....	4.63	6.31	3.31	3.37
14	5.02	7.33	....	7.54	....	....	....	....	4.64	6.42	3.31	3.99
15	5.32	7.23	6.38	7.73	....	....	....	....	4.67	6.36	3.99	4.29
16	4.30	5.33	6.55	7.81	....	....	....	....	4.65	6.25	....	....
17	4.16	6.70	6.53	7.72	....	....	5.10	6.81	4.60	6.20	....	....
18	4.95	7.01	6.51	7.81	....	6.20	5.18	6.70	....	....	....	....
19	5.60	7.23	6.70	7.83	4.52	6.43	5.10	6.60	....	....	4.49	4.66
20	5.93	7.33	6.00	7.32	4.55	6.42	4.74	5.16	....	5.85	4.45	4.69
21	6.01	7.35	5.78	....	4.56	6.34	4.51	4.74	4.32	6.31	4.67	4.72
22	5.86	7.42	6.22	7.55	4.37	6.11	4.50	6.50	4.47	6.20	4.35	4.72
23	5.36	7.03	6.40	7.57	4.24	5.83	4.70	6.51	4.52	6.46	4.63	4.75
24	5.13	....	6.47	7.60	4.05	4.28	4.66	6.48	4.59	6.51	4.50	4.76
25	....	....	6.55	7.70	4.00	6.20	4.81	6.71	3.72	5.35	4.57	4.78
26	....	....	6.60	7.75	4.44	6.55	4.94	6.83	3.76	5.07	4.61	4.83
27	....	....	6.57	7.67	4.68	6.55	5.05	6.70	3.71	5.34	4.83	4.87
28	....	....	6.26	7.80	4.85	6.65	4.92	6.74	....	....	4.66	4.87
29	....	....	6.80	8.00	4.72	6.70	4.93	7.02	....	....	4.57	4.86
30	....	....	7.00	8.04	4.82	6.55	5.45	7.20	....	....	4.56	4.84
31	....	7.62	7.29	8.27	....	....	....	....	....	....	4.56	4.83

Tape measurements

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	5.90	Feb. 23	5.94	Apr. 3	5.46	May 15	5.03
16	6.05	27	5.56	10	5.51	22	5.94
23	5.48	Mar. 6	5.65	17	5.53	29	6.09
30	4.80	13	5.99	24	5.29	June 5	6.32
Feb. 6	5.17	20	5.67	May 1	5.22	12	6.23
13	5.44	27	5.59	8	5.53	19	6.62

Wi-Ce 13--Continued.

Tape measurements							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 26	6.69	Aug. 14	7.32	Oct. 4	6.86	Dec. 1	4.85
July 3	7.09	21	6.77	16	6.84	8	3.40
10	6.34	28	7.09	24	6.09	18	4.55
17	6.28	Sept. 18	5.90	Nov. 3	6.67	26	4.76
31	6.99	25	5.53	20	5.22		

No measurement made in 1950 in wells Wi-Ce 16, Wi-Ce 17, and Wi-Ce 21.

Wi-Ce 72. Pine Bluff Sanatorium. 2.5 miles southwest of Salisbury. Drilled unused well, diameter 2 inches, depth 44 feet. Records available: 1948-50.

Jan. 10	22.35	Apr. 1	22.17	May 30	22.35	Aug. 7	22.38
23	22.39	10	22.04	June 10	22.20	15	22.39
30	22.37	17	22.04	17	22.22	30	22.43
Feb. 12	22.29	22	22.05	30	22.35	Oct. 7	22.51
28	22.25	30	22.24	July 10	22.35	30	22.49
Mar. 11	22.30	May 14	22.16	16	22.34	Dec. 30	22.43

No measurement made in 1950 in wells Wi-Cf 1, and Wi-Cf 2.

Wi-Cf 3. Salisbury Airport. 3.7 miles east of Salisbury. Drilled unused well, diameter 16 inches, depth 109 feet. Records available: 1947-50.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	7.76	7.28	6.38	7.54	....	8.60	8.32	8.58	8.63	....	8.25
2	....	6.97	7.50	6.51	7.55	....	8.52	8.39	8.60	8.68	....	8.25
3	....	6.89	7.63	6.58	7.55	....	8.58	8.31	8.63	....	9.14	8.23
4	....	6.93	7.68	6.68	7.59	....	8.61	8.27	8.65	....	9.12	8.09
5	....	7.06	7.58	6.77	7.63	7.53	8.20	8.34	....	....	9.16	8.10
6	....	7.04	7.68	6.87	7.60	7.63	8.25	8.38	8.71	....	9.17	8.06
7	....	....	7.70	6.93	7.66	7.70	8.25	8.44	8.73	....	9.18	7.98
8	....	....	7.57	6.96	7.75	7.75	8.32	....	8.75	....	9.18	7.23
9	....	....	7.81	7.13	7.70	7.77	8.38	....	8.76	....	9.19	7.07
10	8.18	....	7.87	7.16	7.64	7.78	8.42	....	8.78	....	9.21	7.04
11	8.32	....	7.80	7.01	7.70	7.82	8.48	....	....	....	....	6.39
12	8.34	....	7.79	7.22	7.69	7.96	8.51	....	....	....	....	6.46
13	8.21	7.55	7.71	7.26	7.67	7.98	8.16	....	8.83	....	....	6.65
14	8.16	7.37	7.60	7.33	7.75	7.95	8.13	....	....	....	....	6.76
15	8.31	6.71	7.40	7.41	7.69	8.04	7.48	8.13	....	....	....	6.77
16	8.22	6.60	7.36	7.45	7.63	8.04	7.08	8.16	....	....	....	....
17	8.34	6.72	7.40	7.44	7.62	8.08	7.17	8.18	....	8.57	....	....
18	8.13	6.90	7.39	7.51	7.62	8.15	7.33	8.20	8.88	8.58	....	....
19	8.32	6.88	7.51	7.54	7.62	8.13	7.57	8.22	8.87	8.58	....	....
20	8.34	7.14	7.45	7.52	7.68	8.21	7.64	8.23	8.89	8.61	....	....
21	8.26	....	6.99	7.59	7.69	8.25	7.53	8.30	8.90	8.62	....	....
22	8.16	....	6.73	7.61	7.80	8.31	7.62	8.32	8.33	....	....	....
23	8.20	7.20	4.96	7.50	7.81	8.31	7.71	8.35	8.27	....	....	....
24	8.27	7.24	5.19	7.61	6.64	8.33	7.82	8.37	8.36	....	....	....
25	8.34	7.34	5.45	7.64	6.49	8.37	....	8.40	8.41	....	9.42	....
26	8.32	7.29	5.77	7.67	6.64	8.41	....	8.42	8.48	....	9.15	7.34
27	8.36	7.36	5.71	7.70	6.75	8.43	....	8.45	8.51	....	9.13	7.58
28	8.36	7.40	5.97	7.68	6.89	8.51	....	8.46	8.54	....	9.13	7.53
29	8.28	....	6.02	7.68	6.98	8.52	....	8.48	8.58	....	9.14	7.47
30	8.33	....	6.26	7.60	....	8.56	....	8.52	8.60	....	9.16	7.54
31	8.02	....	6.34	....	....	....	8.30	8.56	....	....	....	7.43

Tape measurements

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	8.30	Mar. 27	5.81	May 29	6.99	Aug. 14	8.12
23	8.21	Apr. 3	6.59	June 5	7.53	21	10.15
30	8.29	10	7.17	12	7.95	28	9.06
Feb. 13	7.56	17	7.46	19	8.12	Sept. 5	9.29
23	7.20	24	7.63	26	8.40	11	9.40
27	7.36	May 1	7.53	July 3	7.57	18	9.48
Mar. 6	8.45	8	7.72	10	8.41	25	9.03
13	7.73	15	7.69	17	7.17	Oct. 4	8.07
20	7.48	22	7.80	31	8.28	11	9.27

Wi-Cf 3--Continued.

Tape measurements

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 16	8.48	Nov. 3	9.75	Dec. 1	8.26	Dec. 8	7.28
24	9.64	29	10.35				

Wi-Cg 20. State Roads Commission. On south side of U. S. Highway 50, 1.45 miles east of Parsonsburg. Driven observation well, depth 25 feet. Records available: 1949-50.

Jan. 31	3.84	Apr. 25	4.75	July 30	6.31	Oct. 26	7.01
Feb. 27	4.41	May 25	4.49	Aug. 30	7.46	Nov. 29	5.86
Mar. 30	4.25	July 1	5.84	Sept. 29	6.42	Dec. 26	5.60

Worcester County

Wor-Bg 1. State Roads Commission. On U. S. Highway 50, 0.4 mile east of Herring Creek, 2.2 miles west of Ocean City drawbridge, in parkway between 4-lane highway. Driven observation well, depth 14 feet. Records available: 1949-50.

Jan. 31	4.77	Apr. 25	4.93	July 30	4.91	Oct. 26	5.15
Feb. 27	3.73	May 25	3.36	Aug. 30	6.05	Nov. 29	3.83
Mar. 30	3.64	July 1	5.34	Sept. 29	4.83	Dec. 26	4.15

Wor-Dd 9. State Roads Commission. On State Highway 113, 1 mile north of intersection of State Highway 365 in Snow Hill. Driven observation well, depth 20.5 feet. Records available: 1949-50.

Jan. 31	12.06	Apr. 24	11.58	July 31	11.81	Oct. 29	12.09
Feb. 27	11.85	May 25	11.71	Aug. 30	12.04	Nov. 29	11.76
Mar. 30	11.56	July 1	11.99	Sept. 29	12.05	Dec. 29	11.97

NORTH CAROLINA

By. H. E. LeGrand

Scope of Water-Level Program

The observation-well program, begun in 1931, was continued in 1950 in cooperation with the State Department of Conservation and Development. Water-level measurements were made in 51 wells during 1950. Figure 16 shows the location of observation wells in the State.

Interpretation of Water-Level Fluctuations

In North Carolina a relationship exists between water levels and precipitation, but this relationship is not a simple one because factors other than precipitation affect the water levels. Most of the wells, except as noted otherwise, are far removed from pumping wells, and consequently the changes in their water levels are due to natural causes. The water levels measured are chiefly those of the water table but some represent the piezometric surface expressing the artesian water level. Water-table wells in the Coastal Plain generally respond much more quickly to rainfall than wells in the Piedmont, because the water table is generally closer to the surface and the surficial deposits are more permeable in the Coastal Plain. With normal precipitation, the cycle of water-table fluctuations begins with a gradual rise, starting usually in December or January. The level generally continues to rise until April or May after which it begins to decline. The decline continues, interrupted only by rises of short duration caused by summer rainstorms, until the following December or January. The water table rises in late winter and spring, because very little water is lost by evaporation or is used by vegetation, so that a relatively large part of the precipitation reaches the water table. Although the amount of rainfall is larger during the summer months, the amount used by vegetation and evaporation is so large that generally little or no rainfall reaches the water table. The range in water level in artesian aquifers is generally slight except near areas of recharge and near areas where water is pumped from the same aquifer. Well 13, Hertford County, for example, is remotely spaced from pumping and from recharge to the aquifer which it penetrates and consequently, expresses a water level which fluctuated only 0.48 foot in 1950. In 1950 the average rainfall at all Weather Bureau stations in the State was 45.72 inches, about 3.9 inches below normal.

The wells are numbered by counties, although the numbers are not related to any system of location within the counties.

Well Descriptions and Water-Level Measurements

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

Beaufort County

11. City of Washington. At Washington, about 600 feet from round concrete reservoir. Layne gravel well 2. Diameter 8 inches, depth 129 feet, yield 250 gallons a minute. Records available: 1948-50. Feb. 25, 8.30; Mar. 27, 7.12; May 29, 7.64; June 28, 7.96; Aug. 30, 6.52; Nov. 29, 7.25; Dec. 26, 7.24.

Cherokee County

1. Elliott well. At Murphy, in rear of First Baptist Church. Records available: 1943-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	39.26	38.35	37.91	38.00	38.68	39.10	38.93	39.20	39.82	40.48	.....
2	.....	39.22	38.38	37.88	38.01	38.74	39.13	38.93	39.23	39.85	40.49	.....
3	.....	39.11	38.41	37.86	38.02	38.74	39.15	38.91	39.28	39.85	40.49	.....
4	.....	39.13	38.42	37.84	38.06	38.65	39.16	38.91	39.29	39.84	40.49	.....
5	39.67	39.15	38.39	37.83	38.07	38.62	39.17	.....	39.31	39.85	40.54	41.17
6	39.68	39.12	38.35	37.86	38.10	38.70	39.17	.....	39.35	39.89	40.55	41.19
7	39.72	39.00	38.32	37.88	38.14	38.76	39.18	.....	39.35	39.93	.....	41.18
8	39.77	38.96	38.29	37.87	38.16	38.77	39.22	.....	39.34	39.94	.....	41.21
9	39.76	38.94	38.35	37.85	38.19	.....	39.24	.....	39.37	39.92	.....	41.22
10	39.72	38.83	38.39	37.84	38.20	.....	39.26	.....	39.38	39.96	.....	41.21

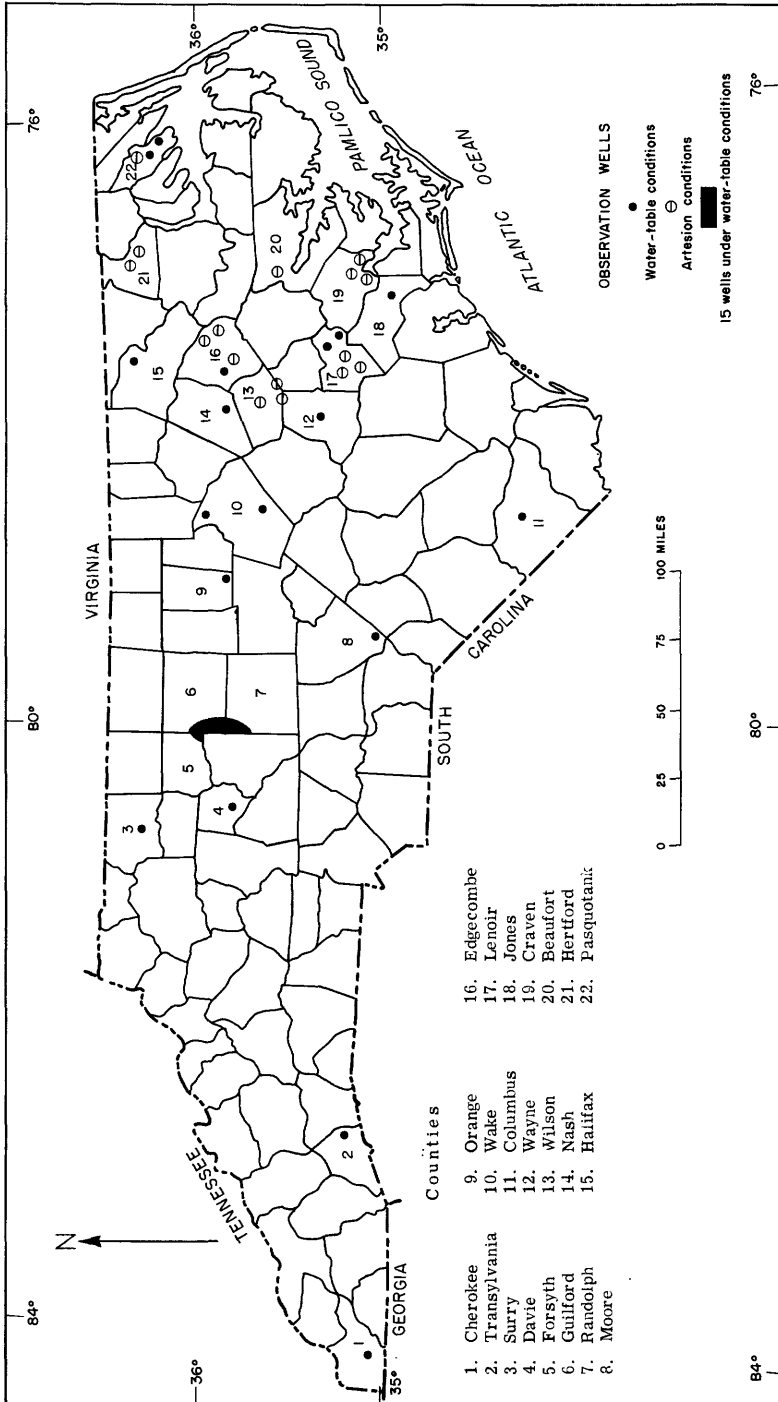


Figure 16. --Location of observation wells in North Carolina, 1950.

1--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	39.72	38.81	38.35	37.81	38.21	.....	39.29	.....	39.41	40.00	.....	41.22
12	39.72	38.81	38.39	37.80	38.20	.....	39.31	.....	39.44	40.01	.....	41.23
13	39.69	38.78	37.94	37.79	38.19	.....	39.32	.....	39.48	40.05	.....	41.26
14	39.69	38.71	37.81	37.80	38.18	.....	39.33	.....	39.49	40.10	.....	41.28
15	39.68	.....	37.94	37.82	38.19	.....	39.36	.....	39.50	40.12	.....	41.29
16	39.68	.....	37.97	37.84	38.25	.....	39.38	.....	39.51	40.15	.....	41.31
17	.....	.....	38.00	37.82	38.31	.....	39.38	.....	39.55	40.18	.....	41.32
18	.....	.....	37.98	37.80	38.34	.....	39.38	.....	39.59	40.19	.....	41.33
19	39.40	.....	38.00	37.81	38.35	.....	39.37	.....	39.61	40.16	.....	41.34
20	39.27	.....	37.97	37.82	38.37	.....	39.37	.....	39.61	40.15	.....	41.36
21	39.41	.....	37.95	37.84	38.43	38.93	39.38	.....	39.61	40.20	.....	41.38
22	39.45	.....	37.92	37.88	38.47	38.95	39.39	.....	39.59	40.22	40.91	41.38
23	39.44	.....	37.92	37.89	38.50	38.96	39.41	.....	39.59	40.25	40.93	41.38
24	39.41	.....	37.93	37.87	38.52	38.97	39.43	.....	39.63	40.29	.....	41.38
25	39.43	.....	37.91	37.85	38.53	38.99	39.40	.....	39.69	40.32	.....	41.40
26	39.43	.....	37.90	37.88	38.56	38.99	39.32	.....	39.73	40.35	.....	41.41
27	39.37	.....	37.84	37.92	38.58	39.00	38.97	.....	39.76	40.38	.....	41.43
28	39.33	.....	37.83	37.95	38.59	39.02	38.93	.....	39.77	40.41	.....	41.44
29	39.32	.....	37.86	37.98	38.61	39.03	38.92	39.17	39.80	40.43	.....	41.45
30	39.30	.....	37.94	37.99	38.62	39.06	38.93	39.17	39.81	40.45	.....	41.46
31	39.27	.....	37.96	.....	38.62	.....	38.93	39.17	.....	40.46	.....	41.48

Columbus County

1. Mrs. C. W. Maulsby. In Whiteville. Records available: 1944-50.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.48	7.07	7.96	8.00	8.98	9.74	10.32	5.09	8.44	9.04	6.21	8.11
2	8.44	6.95	7.92	8.01	9.02	9.77	10.28	.....	8.50	9.09	6.34	8.13
3	8.42	6.86	7.86	8.01	9.06	9.80	10.25	.....	8.56	9.14	6.46	8.15
4	8.40	6.82	7.81	8.01	9.07	9.90	10.21	5.65	8.62	9.21	6.56	8.13
5	8.39	6.80	7.77	8.01	9.11	10.00	10.17	5.83	8.67	9.35	6.70	8.08
6	8.38	6.80	7.75	8.01	9.14	10.13	10.12	5.97	8.72	9.40	6.80	8.01
7	8.37	6.81	7.74	8.05	9.17	10.25	10.10	6.15	8.76	9.45	6.89	7.92
8	8.37	6.84	7.74	8.08	9.19	10.35	8.48	6.30	8.79	9.50	6.96	7.80
9	8.37	6.90	7.77	8.10	9.21	10.44	4.23	6.45	8.80	9.53	7.04	7.64
10	8.37	6.95	7.80	8.14	9.26	10.52	4.14	6.57	8.81	9.58	7.11	7.46
11	8.38	7.00	7.82	8.17	9.29	10.58	4.31	6.68	8.81	9.62	7.19	7.30
12	8.39	7.06	7.85	8.20	9.32	10.64	4.25	6.81	8.81	9.67	7.28	7.14
13	8.38	7.12	7.88	8.23	9.35	10.69	4.38	6.90	8.81	9.72	7.34	7.05
14	8.36	7.16	7.89	8.28	9.38	10.72	4.68	7.01	8.81	9.78	7.42	7.01
15	8.31	7.19	7.89	8.32	9.42	10.75	4.77	7.11	8.80	9.86	7.48	6.99
16	8.28	7.26	7.90	8.37	9.45	10.76	4.55	7.19	8.79	9.98	7.53	7.00
17	8.23	7.30	7.90	8.41	9.48	10.77	4.63	7.29	8.76	10.00	7.57	7.04
18	8.16	7.37	7.90	8.47	9.52	10.77	4.68	7.37	8.75	10.06	7.63	7.09
19	8.05	7.42	7.90	8.48	9.56	10.77	4.92	7.46	8.74	10.06	7.69	7.16
20	7.94	7.47	7.89	8.53	9.59	10.76	5.14	7.55	8.73	9.35	7.72	7.22
21	7.84	7.54	7.89	8.58	9.63	10.74	.....	7.63	8.72	8.49	7.78	7.29
22	7.76	7.59	7.89	8.60	9.67	10.71	.....	7.61	8.72	7.88	7.84	7.34
23	7.68	7.64	7.90	8.64	9.69	10.68	5.17	7.74	8.73	7.39	7.91	7.40
24	7.63	7.71	7.91	8.69	9.71	10.64	5.07	7.83	8.76	6.56	7.95	7.44
25	7.60	7.77	7.93	8.72	9.71	10.60	5.17	7.92	8.79	5.41	7.98	7.50
26	7.58	7.82	7.94	8.76	9.80	10.55	.....	8.00	8.83	5.32	8.02	7.55
27	7.56	7.89	7.94	8.81	9.78	10.50	5.15	8.08	8.87	5.43	8.04	7.62
28	7.52	7.98	7.95	8.85	9.75	10.45	4.41	8.15	8.91	5.58	8.06	7.66
29	7.43	.....	7.96	8.90	7.71	10.39	4.46	8.23	8.96	5.74	8.08	7.67
30	7.30	.....	7.97	8.94	9.68	10.35	4.69	8.30	9.00	5.92	8.09	7.56
31	7.18	.....	7.98	.....	9.70	.....	4.90	8.38	.....	6.08	.....	7.13

11. Town of Whiteville. At water plant outside pump house. Records available: 1948. Measurement discontinued.

Craven County

81. City of New Bern. At New Bern, on Glenburnie tract of old city wells, at old pump station 2. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 25	11.64	June 29	11.86	Aug. 31	11.38	Nov. 29	12.08
Mar. 27	11.77	July 28	9.35	Oct. 24	11.55	Dec. 26	12.05
May 30	11.27						

102a. City of New Bern. North side of U. S. Highway 70, about 0.1 mile northwest of new pumping station and reservoir, 29 feet east of pump house of city well 2. Records available: 1947-50.

Feb. 25	13.35	May 30	11.05	Aug. 31	14.15	Nov. 29	13.25
Mar. 27	12.72	July 28	6.91	Oct. 24	15.25	Dec. 26	15.47

108. City of New Bern. At New Bern, on Glenburnie tract of old city wells, 100 feet west of pump house, in brick pit 4.1 feet deep. Records available: 1947-50.

Feb. 25	4.44	May 30	5.29	July 28	3.96	Oct. 24	5.97
Mar. 27	5.77	June 29	6.64	Aug. 31	6.51	Dec. 26	6.10

Davie County

1. Kurfee well. At Mocksville, 1 block south of courthouse, on U. S. Highways 64 and 601. Records available: 1931-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.40	19.61	18.86	17.77	18.22	17.77	18.81	20.03	21.06	21.83	22.64	23.51
2	19.40	19.59	18.88	17.79	18.17	17.84	18.86	20.06	21.10	21.87	22.66	23.53
3	19.40	19.56	18.94	17.79	18.06	17.84	18.90	20.09	21.12	21.91	22.67	23.53
4	19.40	19.57	18.93	17.80	18.17	17.75	18.93	20.14	21.14	21.91	22.66	23.43
5	19.45	19.56	18.91	17.85	18.18	17.81	18.97	20.17	21.18	21.95	22.72	23.54
6	19.46	19.49	18.86	17.82	18.18	17.90	19.00	20.20	21.22	21.97	22.76	23.56
7	19.44	19.33	18.86	17.83	18.18	17.96	19.06	20.25	21.23	22.02	22.78	23.39
8	19.54	19.46	18.83	17.83	18.20	17.99	19.12	20.29	21.25	22.04	22.78	23.48
9	19.55	19.37	18.88	17.82	18.21	18.00	19.15	20.32	21.27	22.05	22.79	23.49
10	19.53	19.31	18.95	17.83	18.22	18.01	19.19	20.35	21.29	22.08	22.82	23.49
11	19.55	19.31	18.94	17.81	18.21	18.02	19.24	20.37	21.32	22.12	22.86	23.48
12	19.59	19.32	18.89	17.80	18.03	18.08	19.29	20.41	21.35	22.14	22.88	23.47
13	19.60	19.29	18.64	17.81	18.05	18.12	19.32	20.45	21.38	22.19	22.91	23.47
14	19.59	19.21	18.68	17.85	17.78	18.13	19.36	20.50	21.41	22.23	22.93	23.48
15	19.63	19.16	18.71	17.88	17.65	18.17	19.43	20.53	21.42	22.26	22.95	23.48
16	19.64	19.15	18.63	17.90	17.67	18.20	19.49	20.56	21.46	22.31	22.95	23.48
17	19.67	19.13	18.59	17.91	17.66	18.23	19.52	20.59	21.51	22.36	22.96	23.49
18	19.58	19.12	18.55	17.91	17.61	18.28	19.53	20.61	21.55	22.37	22.99	23.51
19	19.54	19.07	18.57	17.93	17.59	18.31	19.58	20.64	21.56	22.38	23.01	.....
20	19.68	19.06	18.44	17.94	17.58	18.36	19.60	20.67	21.57	22.39	23.01	.....
21	19.70	19.04	18.27	17.98	17.60	18.42	19.66	20.72	21.58	22.43	23.04	.....
22	19.66	18.96	18.23	18.03	17.60	18.39	19.72	20.76	21.58	22.45	23.07	.....
23	19.64	18.89	18.09	18.03	17.61	18.46	19.77	20.80	21.58	22.47	23.08	.....
24	19.66	18.95	18.06	18.03	17.61	18.51	19.80	20.83	21.62	22.40	23.11	.....
25	19.70	18.94	17.98	18.04	17.62	18.54	19.83	20.85	21.66	22.48	23.11	.....
26	19.74	18.93	17.94	18.08	17.64	18.58	19.85	20.89	21.70	22.51	23.14	.....
27	19.60	18.94	17.88	18.14	17.67	18.61	19.88	20.92	21.72	22.53	23.22	.....
28	19.65	18.93	17.80	18.17	17.67	18.68	19.86	20.94	21.75	22.55	23.32	.....
29	19.65		17.79	18.20	17.66	18.71	19.91	20.97	21.78	22.58	23.41	.....
30	19.63		17.75	18.23	17.70	18.76	19.96	21.00	21.80	22.60	23.46	.....
31	19.61		17.74		17.71		20.00	21.04		22.62		.....

Edgecombe County

23. John Lane. At Speed, 8 miles northeast of Tarboro. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	6.61	June 28	4.25	Aug. 30	4.47	Nov. 28	7.90
Feb. 24	6.65	July 27	1.70	Sept. 25	4.61	Dec. 27	5.09
May 29	3.68						

59. I. W. Calhoun. About 9 miles east of Rocky Mount. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	29.39	June 28	29.71	Aug. 29	29.81	Nov. 27	29.69
Feb. 24	29.40	July 27	29.69	Sept. 25	29.79	Dec. 27	29.76
May 29	29.73						

59a. I. W. Calhoun. Water level affected by pumping. Records available: 1946-50.

Jan. 31, 26.19; Feb. 24, 26.78; July 29, 21.7; Sept. 25, 25.15. Measurement discontinued.

70. W. Z. Wilson. At Coakley. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	38.08	June 28	38.07	Aug. 30	38.62	Nov. 28	38.13
Feb. 24	38.07	July 27	37.95	Sept. 25	38.08	Dec. 27	38.22
May 29	37.99						

Forsyth County

19. W. C. Michael. On High Point-Kernersville highway, 1 mile south of Kernersville, 40 feet west of highway. Records available: 1935-49. Measurement discontinued.

21. George G. Hedgecock. High Point (Kernersville). Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	26.94	Apr. 26	27.05	July 25	27.12	Oct. 30	27.68
Feb. 23	26.94	May 27	27.04	Aug. 29	27.32	Nov. 27	27.86
Apr. 1	26.96	June 27	27.07	Sept. 29	27.62	Dec. 30	27.85

Guilford County

2. Lindale Dairy Corp. About 1.5 miles northwest of High Point city limits and 0.5 mile north of U. S. Highway 70. Records available: 1934-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.09	25.96	25.53	25.20	25.50	25.37	25.71	26.10	26.46	26.94	.....	27.71
2	26.04	25.90	25.66	25.21	25.50	25.47	25.74	26.12	26.48	26.96	.....	27.71
3	25.96	25.95	25.75	25.20	25.51	25.44	25.75	26.15	26.49	26.92	.....	27.66
4	25.96	25.97	25.75	25.20	25.56	25.33	25.75	26.17	26.50	26.85	.....	27.69
5	26.07	25.92	25.65	25.16	25.54	25.37	25.74	26.19	26.59	26.98	.....	27.72
6	26.06	25.81	25.60	25.25	25.58	25.43	25.71	26.20	26.60	27.00	.....	27.72
7	26.03	25.77	25.65	25.30	25.62	25.49	25.75	26.25	26.56	27.04	.....	27.66
8	26.22	25.92	25.50	25.26	25.58	25.50	25.80	26.25	26.56	26.97	.....	27.69
9	26.17	25.78	25.70	25.29	25.69	25.46	25.80	26.25	26.56	26.90	.....	27.66
10	26.10	25.75	25.80	25.34	25.63	25.40	25.81	26.24	26.58	26.98	.....	27.63
11	26.15	25.77	25.71	25.20	25.62	25.34	25.85	26.95	26.62	27.05	.....	27.64
12	26.25	25.79	25.64	25.20	25.58	25.42	25.86	26.27	26.64	27.00	.....	27.66
13	26.18	25.70	25.55	25.22	25.51	25.45	25.85	26.25	26.70	27.12	.....	27.68
14	26.15	25.61	25.70	25.30	25.47	25.44	25.86	26.30	26.67	27.15	.....	27.69
15	26.23	25.55	25.70	25.33	25.42	25.42	25.92	26.30	26.67	27.15	.....	27.66
16	26.22	25.57	25.55	25.36	25.44	25.44	25.96	26.30	26.72	27.23	.....	27.70
17	26.33	25.61	25.55	25.31	25.46	25.41	25.96	26.33	26.78	27.22	.....	27.68
18	26.15	25.65	25.45	25.32	25.41	25.48	25.91	26.30	26.80	27.17	.....	27.71
19	26.19	25.52	25.66	25.31	25.39	25.45	25.92	26.30	26.74	27.10	.....	27.71
20	26.36	25.57	25.58	25.30	25.41	25.48	25.92	26.35	26.73	27.08	.....	27.72
21	26.28	25.56	25.45	25.38	25.45	25.53	25.93	26.40	26.71	27.15	.....	27.74
22	26.12	25.40	25.35	25.43	25.45	25.57	25.98	26.43	26.63	27.15	.....	27.70
23	26.11	25.68	25.27	25.38	25.44	25.56	26.02	26.47	26.70	27.15	.....	27.70
24	26.17	25.70	25.30	25.35	25.39	25.56	26.04	26.48	26.85	27.24	.....	27.67
25	26.25	25.69	25.27	25.36	25.39	25.55	26.05	26.48	26.90	27.23	.....	27.71
26	26.22	25.68	25.31	25.42	25.40	25.56	26.00	26.50	26.90	27.28	.....	27.69
27	26.22	25.74	25.15	25.44	25.40	25.57	26.00	26.50	26.90	27.25	27.68	27.76
28	26.17	25.68	25.12	25.47	25.35	25.65	26.00	26.50	26.91	27.25	27.68	27.74
29	26.00		25.18	25.50	25.35	25.62	26.04	26.40	26.93	27.28	27.69	27.72
30	25.97		25.31	25.50	25.34	25.66	26.10	26.45	26.92	27.28	27.70	27.72
31	25.95		25.33		25.31		26.10	26.45		.....		.....

4. W. O. Atkins. About 0.3 mile west of Colfax, 300 feet south of U. S. Highway 421. Records available: 1934-50.

4--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	28.14	Apr. 26	28.23	July 25	28.74	Oct. 30	29.39
Feb. 23	28.44	May 27	28.19	Aug. 29	29.02	Nov. 27	29.37
Apr. 1	28.30	June 27	28.70	Sept. 29	29.30	Dec. 30	29.35

7. E. J. Welch. 1403 E. Lexington Ave., High Point. Records available: 1934-50.

Jan. 28	22.13	Apr. 26	21.72	July 25	22.32	Oct. 27	22.76
Feb. 23	22.25	May 27	21.41	Aug. 29	22.42	Dec. 30	22.91
Apr. 1	21.27	June 27	21.82	Sept. 29	22.63		

8. E. J. Welch. 1301 E. Lexington Ave., High Point. Records available: 1934-50.

Jan. 28	26.41	Apr. 26	24.68	July 25	26.19	Oct. 30	28.26
Feb. 23	25.78	May 27	24.38	Aug. 29	27.04	Nov. 27	28.53
Apr. 1	24.32	June 27	25.18	Sept. 29	27.74	Dec. 30	28.59

12. John Blair Estate. 1113 S. Tate St., South High Point. Records available: 1934-50.

Jan. 28	30.62	Apr. 26	30.31	July 25	31.49	Oct. 30	32.87
Feb. 23	30.01	May 27	30.22	Aug. 29	31.92	Nov. 27	33.07
Apr. 1	30.25	June 27	31.12	Sept. 29	32.54	Dec. 30	32.82

14. Clodfelter Dairy. At southeastern corner of High Point, 0.5 mile east of U. S. Highway 311, near Springfield Church. Records available: 1934-50.

Jan. 28	14.79	Apr. 26	14.02	Aug. 29	16.12	Nov. 27	17.37
Feb. 23	14.60	May 27	15.01	Sept. 29	16.61	Dec. 30	17.54
Apr. 1	13.65	July 25	15.54	Oct. 30	17.04		

I-5. H. C. Hedgecock. High Point. Records available: 1948-50.

Jan. 28	23.59	Apr. 26	22.56	July 25	23.54	Oct. 30	25.66
Feb. 23	23.70	May 27	23.86	Aug. 29	24.88	Nov. 27	26.72
Apr. 1	23.38	June 27	22.31	Sept. 29	25.69	Dec. 30	26.16

I-8. J. A. Bolejack. High Point. Records available: 1948-50.

Jan. 28	29.15	Apr. 26	29.34	July 25	29.45	Oct. 30	29.98
Feb. 23	29.29	May 27	29.31	Aug. 29	29.55	Nov. 27	30.20
Apr. 1	29.32	June 27	29.40	Sept. 29	29.76	Dec. 30	30.37

I-11. Mrs. A. C. Robinson. High Point. Records available: 1948-50.

Jan. 28	37.10	Apr. 26	37.19	July 25	37.50	Oct. 30	37.78
Feb. 23	37.18	May 27	37.57	Aug. 29	37.62	Dec. 30	38.14
Apr. 1	37.31	June 27	37.82	Sept. 29	37.60		

I-16. S. C. Idol. High Point. Records available: 1948-50. Jan. 28, 19.25; Feb. 23, 18.95; Apr. 1, 18.52; Apr. 26, 18.96; May 27, 18.60. Measurement discontinued.

I-17. Fred Todd. High Point. Records available: 1948-50.

Jan. 28	6.4	Apr. 26	6.66	July 25	7.50	Oct. 30	7.96
Feb. 23	6.18	May 27	6.30	Aug. 29	7.88	Nov. 27	8.05
Apr. 1	6.02	June 27	6.97	Sept. 29	8.10	Dec. 30	7.75

I-23. E. W. Callaway. Kernersville. Records available: 1948-50.

Jan. 28	33.74	Apr. 26	34.20	July 25	33.70	Oct. 30	34.56
Feb. 23	33.89	May 27	33.68	Aug. 29	34.34	Nov. 27	34.60
Apr. 1	33.70	June 27	33.72	Sept. 29	34.19	Dec. 30	34.54

I-30. Mrs. J. W. Knight, Sr. (J. W. Knight, Jr.). Kernersville. Records available: 1948-50.

Jan. 28	29.82	Apr. 26	29.51	July 25	29.92	Oct. 30	30.77
Feb. 23	29.87	May 27	29.51	Aug. 29	30.31	Nov. 27	30.97
Apr. 1	29.50	June 27	29.89	Sept. 29	30.67	Dec. 30	30.90

I-42. R. J. Holmes. High Point. Water level affected by pumping of nearby well. Records available: 1948-50.

Jan. 28	7.87	Apr. 26	10.62	July 25	15.13	Oct. 30	19.36
Feb. 23	8.13	May 27	8.58	Aug. 29	17.60	Nov. 27	18.85
Apr. 1	5.79	June 27	13.09	Sept. 29	19.02	Dec. 30	17.43

I-46. Virtle Charles. High Point. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	12.49	Apr. 26	11.50	July 25	12.01	Oct. 30	14.45
Feb. 23	11.35	May 27	12.08	Aug. 29	14.02	Nov. 27	14.14
Apr. 1	11.95	June 27	13.17	Sept. 29	13.82	Dec. 30	13.74

I-52. M. H. Sloan. High Point. Records available: 1948. Measurement discontinued.

I-60. Buck Idol. Records available: 1948-50.

Jan. 28	36.61	Apr. 26	36.40	July 25	37.27	Oct. 30	39.92
Feb. 23	36.44	May 27	35.33	Aug. 29	38.49	Nov. 27	39.24
Apr. 1	36.08	June 27	36.25	Sept. 29	39.13	Dec. 30	39.15

Halifax County

1. Freuler. At Roanoke Rapids, 500 feet north of U. S. Highway 158, 0.5 mile west of Seaboard Air Line Railroad station. Records available: 1932-50.

Jan. 31	6.90	May 31	8.15	Aug. 25	5.46	Oct. 31	6.47
Feb. 1	9.25	June 7	7.29	31	6.15	Nov. 27	7.05
28	6.36	30	7.75	Sept. 17	4.68	30	7.21
Mar. 31	7.49	July 16	4.90	Oct. 1	5.77	Dec. 31	7.43
Apr. 30	8.06	31	6.05	9	5.63		

Hertford County

13. Town of Winton. At Winton, 150 feet southeast of tank. Diameter 8 inches, depth 314 feet. Records available: 1947-50.

Jan. 31	27.26	June 28	26.93	Sept. 25	27.37	Nov. 28	27.19
Mar. 28	27.09	July 27	26.9	Oct. 25	27.22	Dec. 27	27.22
May 29	27.38	Aug. 30	27.04				

14. Town of Winton. At Winton. 100 feet east of State Highway 97, 750 feet south of intersection with U. S. Highway 158. Records available: 1946-50.

Jan. 31	26.22	May 29	26.39	Aug. 30	26.44	Nov. 28	26.62
Feb. 24	26.20	June 28	26.4	Sept. 25	26.58	Dec. 27	26.79
Mar. 28	26.16	July 27	26.39	Oct. 25	26.55		

Jones County

1. George E. Weeks. At southeastern edge of Maysville. Records available: 1941-50.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	...	...	...	...	...	...	...	...	6.5	...	...	7.2
2	...	...	...	...	5.4	4.5	...	3.7	...	...	...	...
3	2.9	3.7	3.2	...	...	...	...	...	...	7.4	4.3	...
4	...	...	...	4.2	...	...	1.9	3.4	...	...	...	...
5	...	...	...	...	2.8	3.5	...	...	7.0	...	...	7.4
6	3.2	...	...	...	...	...	...	...	...	7.6	...	...
7	...	...	2.0	2.5	...	...	2.2	...	...	...	5.7	...
8	...	...	...	...	4.2	3.9	...	6.1	7.3	...	...	7.6
9	...	...	...	...	...	...	...	...	...	...	...	...
10	3.7	...	2.2	...	...	...	...	...	...	7.4	6.4	...
11	...	...	...	3.6	...	...	1.0	5.6	...	...	...	...
12	...	...	...	...	4.7	...	...	...	5.1	...	...	6.6
13	4.1	...	...	...	...	3.5	...	...	...	7.6	...	...
14	...	1.7	3.1	4.0	...	...	1.3	...	...	...	7.1	...
15	...	...	...	...	...	...	...	6.3	5.5	...	...	6.9
16	...	...	...	...	.9	4.0	...	...	...	...	...	...
17	3.5	2.0	3.4	...	...	...	...	...	...	8.0	7.6	...
18	...	...	...	4.7	...	...	1.7	6.1	...	...	...	...
19	...	...	...	...	1.7	...	...	...	5.7	...	...	6.8
20	2.4	...	...	...	...	3.2	...	...	...	8.1	...	...
21	...	3.1	3.5	5.1	...	...	2.1	...	...	...	7.3	...
22	...	...	...	...	...	...	...	6.4	6.0	...	...	7.1
23	...	...	...	...	3.1	2.3	...	...	...	...	...	...
24	3.2	3.2	4.0	...	...	...	...	...	...	1.7	7.7	...
25	...	...	...	5.4	...	...	3.8	6.6	...	...	...	...

1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	....	....	....	....	3.4	....	....	....	7.0	....	....	....
27	3.5	....	....	....	....	4.0	....	....	....	1.9	....	....
28	....	3.0	3.8	5.8	....	....	3.6	....	....	....	6.6	....
29	....	....	....	....	....	....	....	6.1	7.3	....	....	....
30	....	....	....	....	4.8	4.4	....	....	....	....	....	....
31	3.4	....	4.2	....	....	....	....	....	....	3.9	....	....

Lenoir County

4. City of Kinston well 1. At water and light plant, 0.7 mile west of center of town, on southeast corner of lot, in red brick pump house. Records available: 1947. Measurement discontinued.

4a. City of Kinston well 2. At water and light plant, 0.7 mile west of center of town, on southwest corner of lot near river, about 300 feet west of well 1, in galvanized-sheet iron pump house. Records available: 1947-48. Measurement discontinued.

6. Ernest L. Johnson. About 4 miles northwest of Kinston, 0.75 mile southwest of airport, about 75 feet east of barn, in square concrete-block shelter with wood and metal cover. Water level affected by pumping. Records available: 1947-50. Jan. 27, 10.35; Mar. 27, 11.63; May 30, 12.57; July 28, 11.02; Aug. 31, 11.37; Oct. 24, 12.23; Dec. 8, 12.85.

6a. Ernest L. Johnson. About 75 feet west of well 6, about 40 feet west of barn on edge of terrace. Records available: 1947-50.

Jan. 27	8.35	Mar. 27	8.79	July 28	5.19	Oct. 24	9.10
Feb. 25	8.78	May 30	8.17	Aug. 31	8.67	Dec. 8	9.07

27. Caswell Training School. 2 miles west of intersection of Routes 70 and 258, 30 feet south of round concrete reservoir. Water level affected by pumping. Records available: 1947-50. Feb. 25, 25.68; May 30, 24.52.

31. City of Kinston. On south side of Route 70, about 0.7 mile west of Caswell Training School and 500 feet east of city's red brick pump house, on shoulder of highway. Records available: 1947-50.

Water level above land-surface datum

Jan. 27	0.62	May 30	0.95	Aug. 31	0.32	Dec. 8	0.40
Feb. 25	.79	June 29	.69	Oct. 24	18	26	.49
Mar. 27	1.42	July 28	.59				

Martin County

2c. Town of Williamston. At Williamston, 20 feet southeast of round concrete reservoir at power plant. Records available: 1946-48. Measurement discontinued.

Moore County

1. Pure Oil Station. In Pinebluff. Records available: 1944-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33.02	33.40	33.70	....	38.26	40.98	42.57	43.36	44.03	44.66	44.94
2	33.03	33.40	33.65	....	38.33	41.07	42.60	43.38	44.05	44.67	44.96
3	33.04	33.44	33.64	....	38.40	41.16	42.62	43.40	44.07	44.68	44.96
4	33.07	33.44	33.63	....	38.47	41.25	42.65	43.42	44.08	44.69	44.97
5	33.08	33.44	33.64	....	38.54	41.33	42.68	43.44	44.11	44.71	44.98
6	33.08	33.44	33.62	....	38.62	41.41	42.71	43.46	44.14	44.72	45.01
7	33.13	33.48	33.62	....	38.70	41.50	42.74	43.48	44.16	44.73	45.03
8	33.14	33.47	33.61	....	38.78	41.58	42.77	43.50	44.18	44.74	45.04
9	33.13	33.46	33.57	....	38.85	41.64	42.80	43.52	44.20	44.75	45.05
10	33.14	33.48	33.55	....	38.91	41.73	42.83	43.54	44.22	44.75	45.06
11	33.19	33.51	33.55	....	38.98	41.78	42.85	43.56	44.26	44.77	45.07
12	33.19	33.51	33.56	....	39.06	41.84	42.88	43.58	44.25	44.78	45.07
13	33.18	33.51	33.56	....	39.14	41.88	42.90	43.60	44.28	44.79	45.09
14	33.22	33.51	33.51	....	39.22	41.93	42.93	43.62	44.30	44.80	45.11
15	33.21	33.53	33.51	....	39.30	41.98	42.96	43.64	44.33	44.81	45.12

1--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	33.25	33.53	33.53	.....	39.40	42.03	42.98	43.66	44.36	44.81	45.13
17	33.22	33.55	33.49	.....	39.48	42.07	43.02	43.69	44.38	44.82	45.14
18	33.23	33.56	33.48	.....	39.58	42.11	43.04	43.72	44.40	44.83	45.15
19	33.28	33.55	33.48	.....	39.67	42.15	43.06	43.74	44.42	44.83	45.17
20	33.29	33.58	33.44	.....	39.75	42.19	43.08	43.76	44.44	44.84	45.18
21	33.27	33.58	33.45	.....	39.90	42.22	43.11	43.78	44.46	44.84	45.20
22	33.28	33.55	33.46	.....	40.01	42.26	43.14	43.79	44.48	44.85	45.22
23	33.30	33.65	33.44	.....	40.19	42.30	43.16	43.81	44.50	44.86	45.23
24	33.32	33.62	.....	.....	40.22	42.33	43.18	43.83	44.52	44.87	45.24
25	33.33	33.62	.....	.....	40.33	42.36	43.21	43.87	44.54	44.87	45.26
26	33.33	33.65	.....	.....	40.45	42.40	43.23	43.90	44.56	44.87	45.28
27	33.34	33.66	.....	.....	40.55	42.44	43.26	43.94	44.58	44.88	45.30
28	33.35	33.72	.....	.....	40.66	42.47	43.28	43.97	44.60	44.89	45.32
29	33.36	.....	.....	38.06	40.77	42.49	43.30	43.99	44.62	44.91	45.34
30	33.37	.....	.....	38.13	40.88	42.52	43.32	44.01	44.63	44.92	45.36
31	33.39	.....	.....	38.19	.....	42.54	43.34	.....	44.64	.....	45.38

Nash County

1. Alston. About 0.5 mile north of Tar River, 300 feet east of State Highway 58. Records available: 1932-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 17	11.57	Aug. 28	9.90	Oct. 9	11.43	Nov. 27	12.53
22	11.32	Sept. 9	11.61	21	12.84	Dec. 2	13.63
29	10.49	16	11.81	28	12.28	9	12.46
Aug. 5	9.88	23	11.10	Nov. 11	12.45	16	12.59
12	9.35	30	11.25	18	13.52	23	12.63
16	8.94	Oct. 7	12.55	25	12.60	.....	.....

Northampton County

40. Mrs. R. L. Gattis. At Conway, about 0.25 mile west of State Highway 35, 100 feet south of U. S. Highway 158. Records available: 1946-48. Measurement discontinued.

60. Seaboard Air Line Railroad. At Potecasi. Drilled well, diameter $4\frac{1}{2}$ inches, depth 145 feet. No screen. Records available: 1948-49. No measurement made in 1950.

Orange County

1. McCauley well. At Chapel Hill, on west side of Chi Psi fraternity house on Cameron St. Records available: 1938-50.

Jan. 2	42.05	Mar. 20	42.25	July 3	42.14	Oct. 3	43.20
9	42.11	27	42.12	10	42.16	9	43.27
16	42.14	Apr. 10	42.14	17	42.22	16	43.43
23	42.10	17	42.10	24	42.27	23	43.49
30	42.15	May 22	41.97	31	42.35	30	43.56
Feb. 6	42.17	29	41.90	Aug. 7	42.46	Nov. 6	43.67
13	42.19	June 12	42.05	28	42.74	20	43.78
27	42.26	19	42.05	Sept. 4	42.82	27	43.89
Mar. 6	42.21	27	42.15	25	43.11	Dec. 4	43.90
13	42.18	.....	.....	.....	.....	.....	.....

Pasquotank County

31T. Elizabeth City, 1,000 feet north of city well fields. Records available: 1935-50.

Jan. 31	1.06	May 29	3.70	Aug. 30	3.15	Nov. 29	5.18
Feb. 25	1.55	June 28	4.94	Sept. 26	3.21	Dec. 26	3.27
Mar. 28	2.65	July 27	.68	Oct. 24	5.07	.....	.....

33T. Elizabeth City. In city well field. Records available: 1938-50.

Jan. 31	6.93	May 29	8.53	Aug. 30	7.39	Nov. 29	8.95
Feb. 25	8.24	June 28	9.2	Sept. 26	8.26	Dec. 26	9.32
Mar. 28	8.92	July 27	6.33	Oct. 24	8.72	.....	.....

200. City of Elizabeth City. At water plant, 150 feet east of treatment plant. Water level affected by pumping of nearby well. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	27.05	May 29	27.27	Aug. 30	28.35	Nov. 28	27.86
Feb. 25	27.08	June 28	28.3	Sept. 25	28.42	Dec. 26	27.59
Mar. 28	26.95	July 27	28.35	Oct. 25	28.10		

Perquimans County

2. Naval Auxiliary Air Station well 2. In Harvey Point. Records available: 1944-49. Measurement discontinued.

Randolph County

20. Dr. Bush. At Archdale, 100 feet east of paved road to High Point, 480 feet north of State Highway 62. Records available: 1935-50. Jan. 28, 22.4; Feb. 23, 22.26; Apr. 1, 21.79; Apr. 26, 21.44; May 27, 20.97. Measurement discontinued.

25. J. S. White. 1 mile southwest of Trinity, 120 feet southeast of State Highway 62. Records available: 1934-50.

Jan. 28	28.04	Apr. 26	27.49	July 25	28.68	Oct. 30	29.68
Feb. 23	28.22	May 27	28.00	Aug. 29	29.03	Nov. 27	29.96
Apr. 1	27.31	June 27	28.31	Sept. 29	29.32	Dec. 30	29.96

Robeson County

21. Town of Lumberton. Behind water plant, on river bank. Records available: 1948. Measurement discontinued.

Surry County

1. A. D. Terrell. 4 miles south of Dodson, 1.8 miles east of Fairview, about 0.5 mile north of State Highway 266, 50 feet west of county road. Records available: 1938-47, 1949-50.

Jan. 3	39.79	Apr. 26	41.45	July 29	41.58	Oct. 27	42.33
14	39.99	May 2	41.49	Aug. 7	41.61	Nov. 5	42.39
23	40.10	13	41.41	14	41.63	9	42.47
Feb. 1	40.29	21	41.57	21	41.63	18	42.61
7	40.36	29	41.64	28	41.71	24	42.71
17	40.54	June 6	41.70	Sept. 4	41.76	Dec. 3	42.85
Mar. 1	40.69	11	41.68	10	41.79	10	42.85
12	40.99	22	41.71	20	41.91	17	43.06
20	41.03	July 2	41.69	Oct. 3	42.11	26	43.21
Apr. 4	41.21	13	41.63	13	42.14	31	43.29
16	41.39	21	41.58	23	42.23		

Transylvania County

1. Baldwin. Blantyre. Records available: 1932-50.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29.57	29.53	29.16	29.20	29.13	29.95	30.84	31.71	32.34	32.60	32.94	33.23
2	29.55	29.52	29.18	29.19	29.13	30.01	30.90	31.73	32.36	32.60	32.95	33.24
3	29.53	29.52	29.21	29.18	29.14	30.04	30.95	31.75	32.38	32.60	32.96	33.23
4	29.53	29.54	29.22	29.16	29.18	30.03	30.97	31.78	32.39	32.58	32.97	33.25
5	29.58	29.48	29.20	29.15	29.20	30.05	30.97	31.79	32.44	32.59	32.98	33.26
6	29.58	29.45	29.18	29.17	29.22	30.19	30.99	31.82	32.46	32.59	33.01	33.28
7	29.60	29.44	29.16	29.17	29.25	30.17	31.03	31.85	32.47	32.60	33.03	33.12
8	29.61	29.47	29.11	29.15	29.27	30.22	31.05	31.87	32.48	32.61	33.03	33.15
9	29.63	29.42	29.16	29.15	29.32	30.24	31.08	31.87	32.57	32.69	33.09	33.17
10	29.61	29.40	29.21	29.15	29.33	30.26	31.11	31.90	32.51	32.61	33.06	33.18
11	29.62	29.40	29.20	29.12	29.34	30.27	31.15	31.91	32.52	32.62	33.08	33.19
12	29.63	29.40	29.18	29.09	29.34	30.31	31.18	31.93	32.54	32.63	33.08	33.21
13	29.61	29.38	29.15	29.07	29.34	30.35	31.19	31.95	32.56	32.64	33.09	33.23
14	29.59	29.33	29.18	29.08	29.34	30.38	31.24	31.97	32.57	32.69	33.09	33.25
15	29.59	29.31	29.19	29.08	29.38	30.41	31.27	31.99	32.58	32.71	33.09	33.27
16	29.61	29.30	29.14	29.10	29.48	30.44	31.30	31.99	32.59	32.74	33.10	33.29
17	29.63	29.30	29.16	29.07	29.47	30.46	31.33	32.02	32.61	32.75	33.10	33.29

1--Continued.

Daily mean water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
18	29.53	29.32	29.20	29.06	29.50	30.50	31.33	32.04	32.62	32.76	33.11	33.31
19	29.56	29.39	29.21	29.06	29.52	30.52	31.38	32.05	32.63	32.76	33.12	33.30
20	29.60	29.28	29.22	29.05	29.57	30.54	31.40	32.07	32.61	32.74	33.11	33.31
21	29.61	29.22	29.18	29.07	29.61	30.56	31.43	32.11	32.61	32.75	33.13	33.32
22	29.59	29.18	29.16	29.08	29.67	30.62	31.46	32.11	32.59	32.78	33.13	33.32
23	29.57	29.20	29.16	29.07	29.69	30.64	31.50	32.16	32.59	32.80	33.14	33.31
24	29.57	29.21	29.18	29.05	29.71	30.66	31.54	32.17	32.59	32.82	33.15	33.27
25	29.60	29.20	29.19	29.04	29.74	30.68	31.56	32.19	32.61	32.84	33.15	33.28
26	29.58	29.20	29.21	29.05	29.78	30.71	31.58	32.22	32.61	32.84	33.14	33.27
27	29.59	29.23	29.18	29.07	29.81	30.73	31.60	32.26	32.62	32.88	33.16	33.27
28	29.57	29.23	29.15	29.10	29.82	30.75	31.61	32.27	32.62	32.90	33.19	33.28
29	29.55		29.16	29.12	29.87	30.77	31.64	32.29	32.62	32.91	33.20	33.27
30	29.54		29.21	29.12	29.89	30.80	31.66	32.30	32.60	32.93	33.21	33.26
31	29.53		29.23		27.91		31.69	32.32		32.93		33.26

Wake County

1. Fishdam. About 2 miles west of Northside, 1 mile downstream from bridge across Neuse River on U. S. Highway 15, on left bank of river. Records available: 1932-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 2	8.38	Oct. 8	8.38	Nov. 4	8.10	Dec. 3	8.62
10	8.98	15	8.22	10	8.35	9	7.84
17	8.59	21	9.98	18	8.72	17	6.64
23	8.16	28	8.22	25	8.78	23	6.58
Oct. 1	8.80						

2. Baptist parsonage. At Garner, about 300 feet south of Southern Railway. Dug unlined well. Records available: 1946-50. Jan. 2, 27.33; June 30, 26.10; Sept. 5, 26.46; Nov. 30, 27.27.

Washington County

1. R. H. Lucas. About 1.5 miles west of Plymouth, 150 feet south of U. S. Highway 64. Records available: 1942-49. Measurement discontinued.

Wayne County

1. Borden Brick & Tile Co. Brick pit well. About 3.5 miles south of Goldsboro, 200 feet east of U. S. Highway 117 and Neuse River. Records available: 1935-49. Measurement discontinued.

Wilson County

122. M. P. Whitley. 3 miles east of Wilson, about 0.7 mile southeast of junction of U. S. Highways 58 and 264. Records available: 1947-50. Jan. 27, 14.68; May 30, 17.1; Dec. 8, 17.15.

149. Town of Stantonburg. In Stantonburg, inside tool shed southeast of elevated water tank. Drilled well, diameter 6 inches. Water level affected by pumping. Records available: 1947-50. Dec. 8, 21.04.

151. W. R. Rogers. 0.5 mile southwest of Stantonburg, about 100 yards east of State Highway 222, 200 yards southwest of Contentnea Creek, 30 feet north of barn. Flowing jetted well, diameter $1\frac{1}{4}$ inches. Records available: 1947-50. Jan. 27, +3.58; Feb. 26, +3.11; Mar. 30, +2.85.

SOUTH CAROLINA

By George E. Siple

Scope of Water-Level Program

The observation-well program was continued in 1950 as part of the cooperative agreement for ground-water investigations, begun in 1946, with the South Carolina Research, Planning and Development Board. Measurements of water levels were made in 16 wells. The wells in the coastal plain section utilize the sands, gravels, and limestones of Upper Cretaceous and Tertiary ages as aquifers. These sediments crop out in a belt across the lower two-thirds of the State. They have a southwest-northeast strike and a dip of from 8 to 15 feet per mile to the south or southeast.

Precipitation

The year 1950 was the driest since 1938. The average annual precipitation was 41.93 inches, a deficiency of 5.67 inches from the 61-year average. The wettest month was July and the driest was November.

Interpretation of Water-Level Fluctuations

The water-table wells reflected, in general, the variations in amount of rainfall for the surrounding or recharge area. The fluctuations in the artesian wells evidently require a more complex explanation. Twelve of the observed wells indicated a lower water or pressure level at the end of the year than they did at the beginning of the year. Three were recorded as having higher levels at the end of the year. The largest range in water-level fluctuation occurred in some of the deeper artesian wells. Ordinarily the water levels in artesian wells are affected more by local or regional pumping than are water-table wells. Water levels in the water-table wells are usually higher in the winter months and gradually decline until the following winter or spring. This occurs in spite of the fact that the rainfall is heavier in the summer months than at any other time of the year. But the amount of evaporation, transpiration, and surface runoff is of sufficient magnitude to offset the increased precipitation, and thus results in a lowering of the water table. Thus, fluctuations of the water table and of the artesian pressures in the coastal plain aquifers reflected rather closely the amount of rainfall that became available for recharge. The effect of the deficiency in precipitation resulted generally in a decline in water-table and artesian pressure. This lowering was a temporary condition and did not represent any progressive decline of water levels throughout the State.

Well-Numbering System

The observation wells included below are listed alphabetically by counties and numerically within the county.

Well Descriptions and Water-Level Measurements

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

Allendale County

1. Mr. Easton. Fairfax, 0.2 mile southeast of railroad station on State Highway 28. Drilled well, diameter 8 inches, depth 660 feet. Records available: 1946-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	38.0	Apr. 27	36.8	June 30	37.7	Oct. 31	35.7
Feb. 24	36.3	May 26	37.7	Sept. 29	35.7	Nov. 28	35.7
Mar. 30	37.4						

Barnwell County

1. Town of Barnwell. 30 feet northeast of elevated tank. Drilled unused well, diameter 6 inches, depth 145 feet. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	43.33	Apr. 27	46.14	June 27	52.44	Oct. 31	49.01
Feb. 25	42.56	May 26	45.98	Sept. 29	47.30	Nov. 28	51.14
Mar. 30	41.97						

Berkeley County

1. Santee River Hardwood Co. St. Stephen. Drilled unused well, diameter 6 inches, depth 900 feet. Records available: 1946-50.

Jan. 31	16.05	Apr. 26	16.08	June 28	16.50	Sept. 29	16.29
Feb. 24	16.07	May 27	16.27	July 31	16.63	Nov. 30	16.16
Mar. 30	16.01						

Dorchester County

1. Town of Summerville. On town lot 15 feet west of town hall on Main St. Drilled unused well, diameter 8 inches, depth 925 feet. Records available: 1948-50.

Jan. 30	22.05	Mar. 30	21.20	May 27	21.88	Sept. 29	22.80
Feb. 24	21.71	Apr. 26	21.20	June 28	27.41	Nov. 28	22.75

Florence County

1. Town of Timmonsville. Pump house near reservoir. Drilled unused well, diameter 5 inches, depth 165 feet. Records available: 1950.

Jan. 31	15.69	Mar. 29	21.13	May 28	20.09	Sept. 28	22.85
Feb. 23	15.39	Apr. 26	c48.71	June 29	c54.05	Nov. 30	c53.30

c Nearby well being pumped.

Horry County

1. St. Paul's Baptist Church. 1 mile north of Ingram Mill. Drilled well, diameter 2 inches, reported depth 250 feet. Records available: 1947-50. Jan. 31, +10.0; Feb. 23, +10.1; Mar. 29, +10.1; Apr. 26, +10.1; May 28, +9.5; June 29, +9.5; Nov. 30, +9.28.

2. K. C. Ellsworth. 900 feet northwest of State Highway 17, 300 feet southwest of Yacht Basin Rd. In Briarcliff Acres, 12 miles northeast of Myrtle Beach. Drilled well, diameter 10 inches, depth 587 feet. Records available: 1947-50.

Water level above land-surface datum

Jan. 31	10.14	Mar. 30	10.1	May 28	9.6	Sept. 28	11.8
Feb. 24	10.3	Apr. 26	10.1	June 29	9.9	Nov. 30	11.3

3. City of Myrtle Beach. 75 feet northeast of new city well, 1 mile south of city, on northwest side of U. S. Highway 17. Drilled unused well, diameter 8 inches, depth 87 feet. Records available: 1946-50.

Jan. 31	16.63	Mar. 30	15.99	May 28	16.47	Sept. 28	13.91
Feb. 24	16.80	Apr. 26	15.86	June 29	16.23	Nov. 30	15.58

Orangeburg County

1. Town of North. On city lot, under elevated tank. Drilled well, diameter 10 inches, depth 125 feet. Records available: 1946-50.

Jan. 21	36.42	Apr. 27	38.19	June 27	38.97	Oct. 31	39.13
Feb. 27	36.70	May 26	38.60	Aug. 31	39.95	Nov. 28	40.31

Richland County

1. Shakespeare Manufacturing Co. 6 miles northeast of Columbia on old Two-Notch Rd. Drilled well, diameter 6 inches, depth 233 feet, ending in clay of the Tuscaloosa formation. Records available: 1950.

Jan. 24	76.67	Feb. 27	77.51	Apr. 13	78.47	May 19	79.23
Feb. 3	76.99	Mar. 7	77.61	20	78.60	Dec. 8	79.72
13	77.02	28	78.07	28	78.74		

Sumter County

1. Poinsett State Park. 1.6 miles south and 1.3 miles east of Wedgefield. Drilled well, diameter 6 inches, depth 18.4 feet. Well redrilled. Records available: 1942-43, 1946-49. No measurement made in 1950.

2. City of Sumter. 150 feet south of entrance to waterworks. Jetted well, diameter 24 inches, depth 50 feet. Records available: 1946-50.

Jan. 26	26.11	Apr. 25	27.89	Aug. 31	30.19	Nov. 30	31.65
Feb. 28	25.80	May 29	29.62	Sept. 28	30.65	Dec. 15	31.83
Mar. 31	25.50	June 29	29.88				

4. City of Sumter. On city lot 30 feet northeast of pumphouse. Drilled unused well, diameter 18 inches, depth 625 feet. Records available: 1947-50.

Jan. 26	38.72	Apr. 26	39.42	Aug. 31	36.11	Nov. 30	39.45
Feb. 28	37.88	May 29	34.57	Sept. 28	37.73	Dec. 15	33.91
Mar. 31	34.70	June 29	43.02				

5. City of Sumter. On municipal lot, 2,000 feet northwest of pumphouse. Drilled well, diameter 18 inches, depth 625 feet. Records available: 1948-50. Aug. 31, 35.99; Sept. 28, 37.10; Dec. 15, 25+, pump pulled.

6. Beulah Methodist Church. 6.5 miles northeast of Sumter on State Highway 76. Drilled well, diameter 2 inches, reported depth 250 feet. Records available: 1948-50. Jan. 26, +8.1; Feb. 23, +8.3; Apr. 5, +8.4; June 29, +7.5; Aug. 31, +7.5; Sept. 28, +7.9; Nov. 30, +7.2.

7. City of Sumter. On municipal grounds. 600 feet west of pumphouse. Jetted unused well, diameter 24 inches, depth 65 feet. Records available: 1948-50.

Jan. 26	18.91	Apr. 26	18.26	Aug. 31	19.47	Nov. 30	20.41
Feb. 28	18.54	May 29	19.07	Sept. 28	19.45	Dec. 15	20.48
Mar. 31	18.21	June 29	19.58				

TENNESSEE

By T. J. Henderson, Jr., and E. M. Cushing

Scope of Water-Level Program

The observation-well program in Tennessee was continued in 1950 in cooperation with the Memphis Light, Gas and Water Division, and the State Department of Conservation, Division of Geology. Until July 1947 ground-water studies in Tennessee were confined to the Memphis area. In that year a detailed study of the ground-water resources of west Tennessee was begun. This area comprises about 10,000 square miles and lies between the Mississippi River on the west and the Tennessee River in its western valley on the east. Water-level measurements made in wells in Carroll, Fayette, Henry, and Madison Counties were reported for the first time in the 1949 annual report (U. S. Geological Survey Water-Supply Paper 1157). During 1949 an observation-well program was begun in east Tennessee. This area, comprising about 10,000 square miles in 28 counties, lies largely within the Appalachian Valley physiographic province, but includes parts of the Blue Ridge province to the east and the Appalachian Plateau province to the west. In September 1948, a study of the ground-water resources of central Tennessee was begun. The area, comprising about 5,500 square miles and including all or parts of 22 counties, lies largely in the Central Basin. Although numerous miscellaneous water-level measurements have been made, only those in well 94:1-1, a cooperative test well drilled in Williamson County, are reported. During the year periodic measurements were made in 60 wells, 26 of which were equipped with recording gages. (See fig. 17.) The program was expanded into three counties and included four wells not previously reported. Measurements in two wells were discontinued.

Based on the results of test drilling in west Tennessee accomplished in 1949, a ground-water chart was prepared by Robert Schneider and R. R. Blankenship for publication by the State as Ground-Water Investigations Preliminary Chart 1 entitled "Subsurface geologic cross section from Claybrook, Madison County, to Memphis, Shelby County, Tennessee."

Precipitation

The table below gives the annual rainfall and the departure from normal at Brownsville and Moscow, Tennessee. These data were taken from the annual reports of climatological data issued by the United States Department of Commerce, Weather Bureau.

Year	Brownsville		Moscow	
	Total Precipitation	Departure from normal	Total Precipitation	Departure from normal
1940	38.32	-11.26	37.98	-14.61
1941	31.49	-18.09	34.37	-18.22
1942	44.34	-5.24	48.46	-4.13
1943	36.43	-13.15	43.29	-9.30
1944	57.76	8.18	64.09	11.50
1945	70.74	21.16	67.44	14.85
1946	65.13	15.55	64.54	11.95
1947	49.52	- .06	50.02	-2.57
1948	60.02	10.44	67.95	15.36
1949	56.06	6.48	62.89	10.30
1950	65.49	15.91	*67.33	*14.74

* Record incomplete.

Rainfall at Brownsville and Moscow is shown because these towns are believed to be in the outcrop belt of the "500-foot" sand of the Memphis area. Since 1944 the annual rainfall has been above normal with the exception of 1947.

Pumpage

The following table gives the estimated average daily quantities of water pumped from the "500-foot" and "1,400-foot" sands in the Memphis area since 1941.

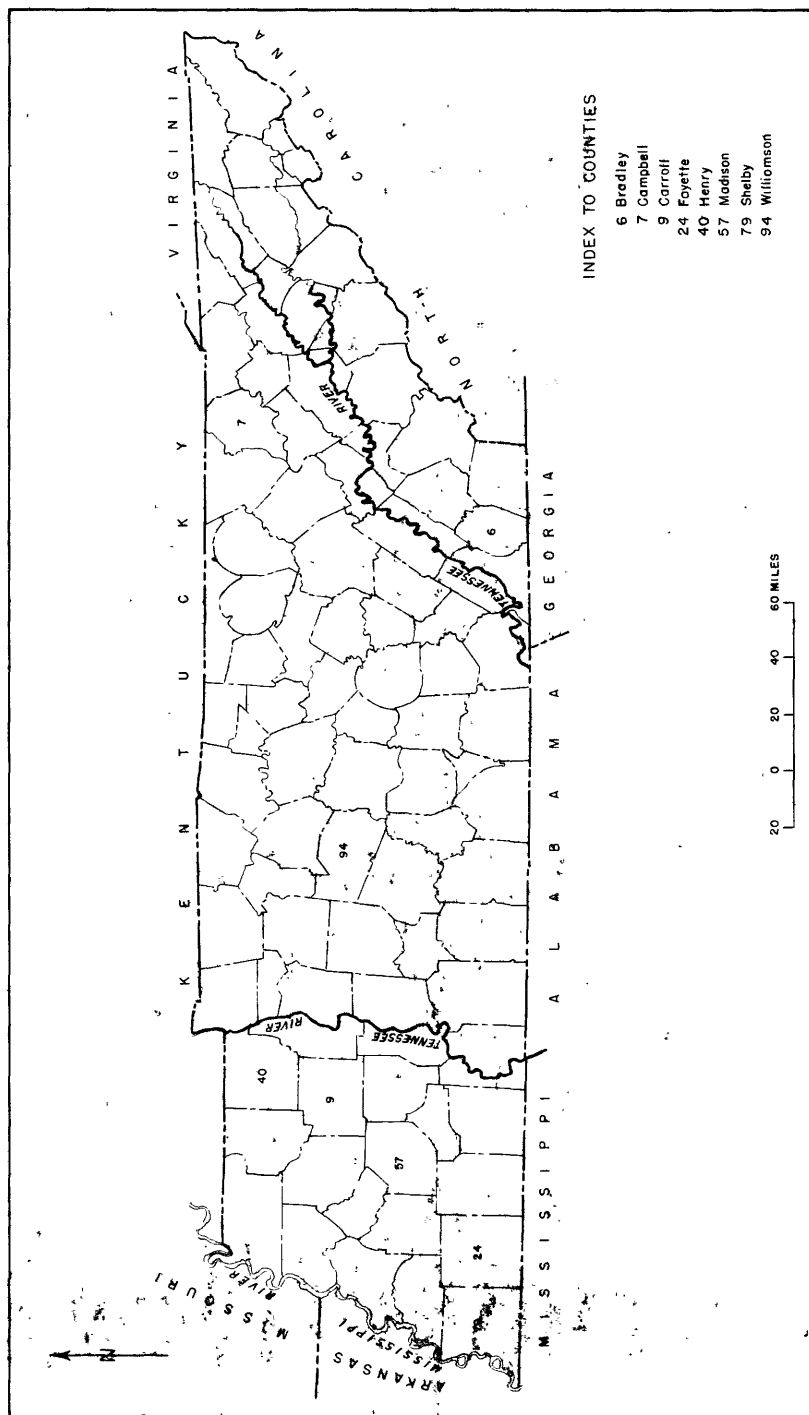


Figure 17.--Counties in Tennessee where observation wells are situated, 1950.

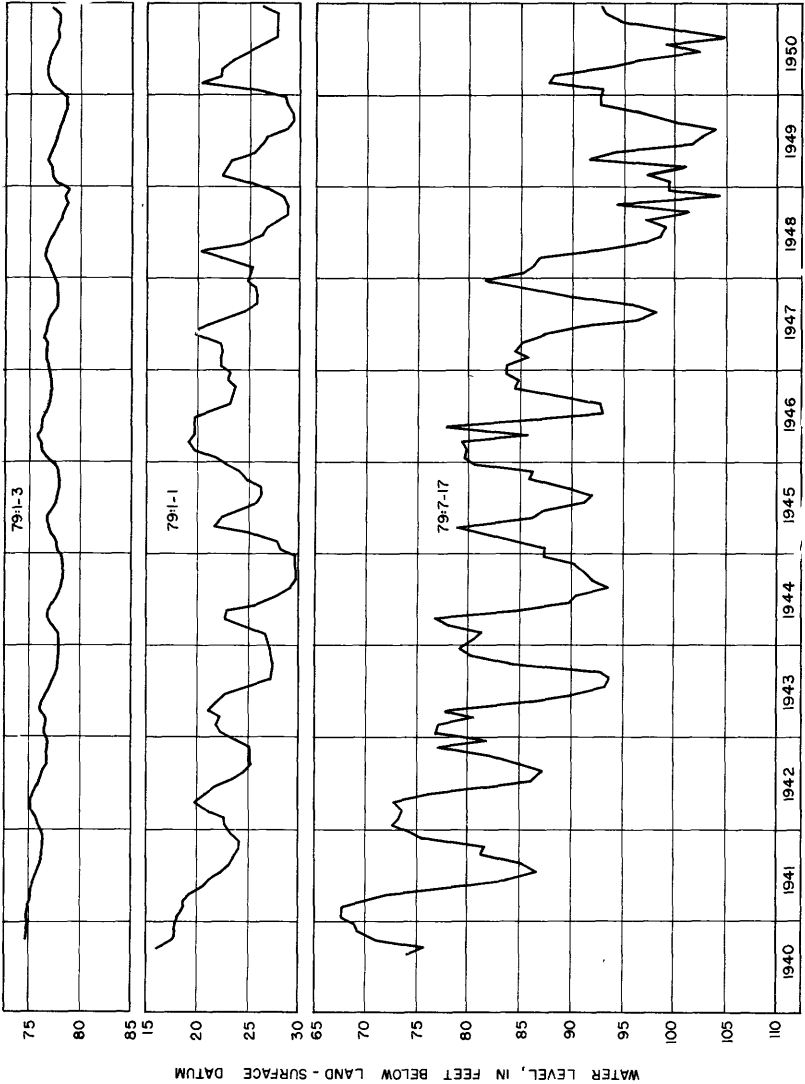


Figure 18. -- Fluctuations of water levels in wells 79-1-1, 79-1-3, and 79-7-17 in the Memphis area, 1950.

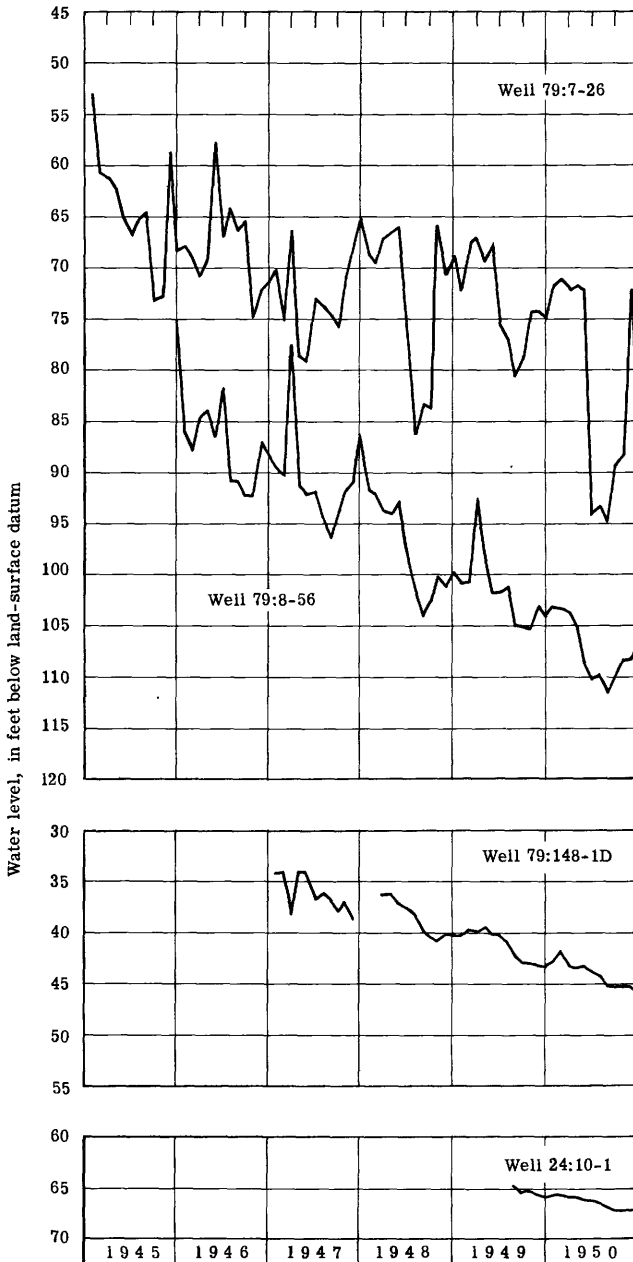


Figure 19.--Fluctuations of water levels in wells screened in the "1400-foot" sand in the Memphis area,

Estimated average daily pumpage in the Memphis area

Year	"500-foot" sand (gallons)	"1,400-foot" sand (gallons)
1941	75,000,000	9,000,000
1942	85,000,000	9,000,000
1943	100,000,000	11,000,000
1944	105,000,000	10,000,000
1945	95,000,000	9,000,000
1946	85,000,000	9,000,000
1947	90,000,000	10,000,000
1948	100,000,000	11,000,000
1949	100,000,000	11,000,000
1950	100,000,000	11,000,000

Interpretation of Water-Level Fluctuations

In general, water levels in wells screened in the "500-foot" sand in the Memphis area rose slightly during 1950. The levels ranged from about 8.4 feet higher to about 10.9 feet lower than the lowest levels of 1949. Based upon measurements made in 21 wells, the average rise was about 0.1 foot. Figure 18 shows the fluctuations of water levels in three wells screened in the "500-foot" sand. The water levels in well 79:1-3, about 14 miles east of Memphis, and well 79:1-1, about 7 miles north of Memphis, have small yearly ranges of fluctuations and probably show the effect of all of the pumping from the "500-foot" sand within the area. Although the average pumpage from the sand was estimated to be 100 million gallons of water daily in 1948, 1949, and 1950, the water levels in wells 79:1-3 and 79:1-1 have risen slightly. These rises may be due in part to increased recharge into the area caused by the above-normal precipitation during recent years. Well 79:7-17 is in the Parkway well field of the Memphis Light, Gas and Water Division. As might be expected, the yearly range in water level in an active well field is extremely large. The water levels in wells screened in the "1,400-foot" sand continued to decline. The average lowering, based upon measurements made in five wells was about 5.4 feet.

Figure 19 shows the fluctuations of water levels in four wells screened in the "1,400-foot" sand. Wells 79:7-26 and 79:8-56 are in the Parkway well field and Sheahan well field respectively of the Memphis Light, Gas and Water Division. Well 79:148-1D is about 15 miles north of Memphis and well 24:10-1 is about 30 miles northeast of Memphis.

Well-Numbering System

Each number is made up of three items, the first and second of which are separated by a colon, and the second and third by a hyphen. The first item represents the county in which the well is situated; the second is the number assigned the owner or well field; and the third is the number of the well itself. The first item necessitated numbering all the counties in the State in alphabetical order, starting with Anderson County as 1, Bedford County as 2, and so on. To provide for the second item, the owners or the well fields were assigned numbers in consecutive order as the wells were recorded by the Geological Survey. The third item, the number of the well, corresponds to the number assigned the well by the owner. For example, the number 79:7-17 indicates county 79, Shelby County, well field 7, the Parkway field of the Memphis Light, Gas and Water Division; and well 17 in that field, as numbered by the owner.

The Auction Avenue well field of the Memphis Light, Gas and Water Division, where the water of about 100 wells flowed through tunnels into the so-called "wet well", is field 3 in Shelby County, and the shafts that were used to inspect the tunnels and drifts of that field, 25 in all, have been lettered to differentiate them from the wells. (See 79:3-A.)

Well Descriptions and Water-Level Measurements

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

Bradley County

6:182-1. F. G. Trehwett. About 150 feet east of Trehwett Rd., about 2 miles southeast of Tennessee State Highway 60, about 6.5 miles south of Cleveland. Dug unused well, diameter 36 inches, reported depth 30 feet. Records available: 1950.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.97	h12.27	11.18	h14.37	16.91	17.64	18.24	19.41	.....	.....	20.14
2	13.80	12.23	11.32	14.44	16.96	17.71	18.26	19.44	h19.30	h20.04	20.15
3	12.72	.....	11.42	14.59	16.82	17.77	18.32	19.47	19.33	20.04	20.15
4	12.24	.....	11.55	14.70	16.30	17.82	18.35	19.49	19.33	20.09	20.05
5	12.31	.....	11.40	14.80	15.46	17.88	18.41	19.55	19.38	h20.13	19.42

6:182-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	12.27	h12.28	11.22	14.96	15.71	17.94	18.47	19.57	19.46	.....	19.42
7	.....	12.22	12.29	11.20	15.07	15.86	18.02	18.50	19.56	19.48	.....	19.28
8	.....	.....	12.37	11.32	15.17	15.96	18.04	18.54	19.48	19.49	.....	18.63
9	.....	.....	12.59	11.44	15.26	15.03	18.15	18.59	19.47	19.55	h20.11	18.46
10	.....	.....	12.66	11.59	15.34	15.03	18.23	18.64	19.41	19.59	.....	18.51
11	h18.54	.....	12.53	11.78	15.39	15.13	18.30	18.69	18.46	19.60	.....	18.51
12	18.34	.....	12.33	11.89	15.39	16.21	18.37	18.73	18.55	19.66	.....	18.51
13	18.18	.....	10.45	12.12	15.44	16.29	18.42	18.77	18.60	19.72	.....	18.55
14	18.12	.....	h10.19	12.14	15.45	16.36	18.45	18.82	18.61	19.74	.....	18.55
15	17.75	h10.42	9.93	12.17	15.58	16.45	18.51	18.86	18.62	19.77	h20.28	18.55
16	17.41	10.60	9.65	12.19	15.70	16.53	18.48	18.88	18.68	19.82	.....	18.58
17	17.11	10.87	9.80	h12.67	15.77	16.60	18.51	18.92	18.75	19.84	.....	18.56
18	h16.81	11.00	9.87	12.80	15.84	16.65	18.48	18.94	18.80	19.84	.....	18.60
19	.....	11.33	10.05	12.99	15.89	16.73	18.50	18.98	18.81	19.83	.....	18.62
20	.....	.....	h10.03	13.14	15.99	16.86	18.52	19.03	18.81	19.86	h20.24	18.67
21	.....	.....	.....	13.30	16.10	16.95	18.56	19.07	18.80	19.87	20.21	18.70
22	.....	.....	.....	13.43	16.20	16.99	18.60	19.13	18.78	19.87	20.06	18.69
23	.....	.....	.....	13.50	16.25	17.05	.....	19.18	h18.81	19.88	h20.05	18.66
24	.....	.....	.....	13.52	16.30	17.12	h18.69	19.21	18.94	19.91	20.05	18.65
25	h15.40	.....	.....	13.66	16.37	17.18	18.70	19.25	19.02	19.93	20.05	18.68
26	15.48	.....	.....	13.81	16.46	17.22	18.70	19.29	h19.07	19.94	20.03	18.68
27	15.44	.....	h10.90	13.93	16.52	17.32	18.55	19.32	.....	h19.97	20.02	18.73
28	14.40	.....	10.70	14.08	16.57	17.36	18.11	19.35	.....	.....	20.08	18.74
29	13.73	.....	10.87	14.17	16.62	17.46	18.13	19.39	.....	.....	20.10	18.71
30	13.83	.....	11.19	14.31	16.64	17.57	18.15	19.39	.....	.....	20.12	18.72
31	13.93	.....	11.26	.....	16.80	.....	18.22	19.33	.....	.....	.....	18.83

h Tape measurement.

Campbell County

7:1-6. Jellico Water Works. In Tannery Hollow, about 1.5 miles south of U. S. Highway 25W. Drilled unused well, diameter 12 inches, depth 620 feet. Records available: 1949-50.

Daily lowest water level, from recorder graph, 1949

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	86.53	85.58	83.93	81.98	81.36
2	.....	86.62	85.56	83.86	81.84	81.40
3	.....	86.70	85.49	83.78	81.78	81.40
4	.....	86.77	85.42	83.71	81.78	81.28
5	.....	.....	85.35	83.64	81.83	81.28
6	.....	86.78	85.29	83.57	81.83	81.23
7	.....	86.70	85.21	h83.56	81.74	81.26
8	.....	86.60	85.17	.....	81.70	81.32
9	.....	86.73	85.17	.....	81.72	81.34
10	.....	87.04	85.16	.....	81.68	81.21
11	.....	.....	85.14	.....	81.65	81.19
12	.....	.....	85.11	.....	81.68	.....
13	.....	.....	84.99	.....	81.59	h80.83
14	.....	.....	84.99	.....	81.60	80.40
15	.....	.....	84.95	h83.17	81.63	80.14
16	.....	.....	84.91	83.22	81.63	80.13
17	.....	h86.49	84.90	.....	81.65	80.14
18	.....	.....	84.84	.....	81.68	80.10
19	h85.60	.....	84.57	.....	81.68	80.09
20	85.52	.....	84.35	.....	81.52	80.00
21	85.63	.....	84.28	.....	81.62	.....
22	85.76	.....	84.19	.....	81.62	h79.78
23	85.89	.....	84.18	h82.98	.....	79.93
24	86.00	h85.97	84.19	83.00	.....	79.90
25	86.06	85.97	84.17	82.95	.....	79.77
26	86.18	.....	84.14	82.90	.....	79.64
27	86.26	85.81	84.06	82.88	h81.27	79.71
28	86.32	85.69	83.89	82.78	81.32	79.75
29	86.36	85.66	83.92	82.66	81.25	79.75
30	86.41	85.65	83.98	82.51	81.33	79.76
31	86.47	85.54	.....	82.21	.....	79.78

h Tape measurement.

7:1-6--Continued.

Daily lowest water level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	79.77	71.51	75.39	75.20	75.89	75.00	75.18	75.35	75.73	76.28	76.94	76.94
2	79.71	71.32	75.45	75.25	75.78	74.98	75.20	75.36	75.70	76.33	76.89	76.89
3	79.57	72.59	75.44	75.25	75.78	74.92	75.21	75.40	75.69	76.31	76.88	76.86
4	79.46	73.16	75.43	75.38	75.79	74.85	75.21	75.42	75.67	76.27	76.87	76.67
5	h79.41	73.50	75.40	75.39	75.80	74.82	75.18	75.45	75.74	76.32	76.97	76.29
6	79.25	73.75	75.37	75.41	75.82	75.09	75.13	75.50	75.77	76.38	77.02	76.27
7	77.80	73.80	75.34	75.41	75.87	75.14	75.13	75.53	75.74	76.41	77.02	76.18
8	76.89	73.80	75.49	75.39	75.25	75.14	75.20	75.56	75.75	76.41	76.92	75.98
9	76.32	73.83	75.58	h75.38	74.85	75.17	75.22	75.59	75.84	76.43	77.02	75.92
10	76.07	73.57	75.58	.....	74.89	75.15	75.24	75.62	75.89	76.52	77.08	76.62
11	76.03	73.85	75.45	.....	74.92	75.24	75.29	75.62	75.90	76.52	77.09	h76.03
12	75.76	74.06	75.41	.....	74.86	75.32	75.30	75.77	75.95	76.59	77.10	76.06
13	75.63	74.22	75.33	.....	74.31	75.32	75.29	75.82	75.97	76.62	77.10	76.27
14	75.48	74.49	75.31	.....	74.15	75.39	75.31	75.86	75.94	76.63	77.14	76.30
15	75.32	74.67	75.13	.....	.....	h75.32	75.80	75.85	h76.61	77.13	.....	.....
16	75.38	74.77	75.12	h75.57	h74.30	h75.16	75.30	75.78	75.88	76.69	77.07	76.43
17	75.35	74.91	75.12	75.64	74.50	75.11	75.28	75.68	75.94	76.73	77.11	76.50
18	75.27	74.93	75.23	75.65	74.59	75.11	75.25	75.64	75.99	76.68	77.11	76.53
19	75.41	75.03	75.25	75.69	74.66	75.09	75.20	75.67	75.99	76.61	77.08	76.48
20	75.38	75.08	75.23	75.69	74.80	75.14	75.17	75.72	75.97	76.66	h76.91	76.57
21	75.30	75.06	75.25	75.76	74.89	75.09	75.22	75.74	75.94	76.69	76.95	76.57
22	75.26	75.05	75.23	75.76	74.97	74.97	75.25	75.77	75.91	76.74	76.72	76.51
23	75.32	75.19	75.29	75.74	75.03	74.70	75.29	75.84	75.93	76.82	76.74	76.51
24	75.47	.....	75.30	75.70	.....	74.59	75.33	75.86	h76.00	76.84	76.75	76.56
25	75.55	.....	75.39	75.77	h75.12	74.67	75.29	75.86	76.11	76.85	76.71	76.56
26	75.65	h75.39	75.35	75.84	75.24	74.74	75.20	75.85	76.15	76.69	75.72	76.64
27	75.63	75.42	75.25	75.87	75.25	74.88	75.20	75.87	76.19	76.84	76.85	76.66
28	75.32	75.36	75.20	75.89	75.12	74.94	75.23	75.85	76.21	76.90	76.89	76.60
29	75.17	.....	75.20	75.89	75.05	75.02	75.26	75.82	76.23	76.93	76.91	76.55
30	75.16	.....	75.26	75.89	75.01	75.11	75.36	75.78	76.22	76.94	76.90	76.57
31	72.53	.....	75.26	.....	74.97	.....	75.34	75.73	.....	76.94	.....	76.70

h Tape measurement.

Carroll County

9:4-2. City of Huntingdon. About 10 feet west of waterworks building, 100 feet west of Fifth Ave. East. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	1.13	Apr. 27	1.34	July 31	c3.32	Nov. 1	1.85
Feb. 28	1.62	June 1	c2.20	Sept. 2	1.41	Dec. 1	c3.81
Mar. 30	1.61	30	c1.75	29	1.72		

c Nearby well being pumped.

Fayette County

24:10-1. Formerly T-1-F. Tennessee Division of Geology and U. S. Geol. Survey. About 80 feet southwest of State Highway 59, 1.3 miles southeast of junction of State Highway 59 and U. S. Highway 70. Records available: 1949-50.

Jan. 31	65.78	Apr. 28	65.85	July 31	66.49	Nov. 1	67.25
Feb. 28	65.61	June 2	66.07	Aug. 31	66.57	Dec. 1	67.20
Mar. 31	65.76	30	66.36	Sept. 29	67.02		

24:10-2. Formerly T-2-F. Tennessee Division of Geology and U. S. Geol. Survey. About 50 feet northwest of 24:10-1, about 80 feet southwest of State Highway 59, and 1.3 miles southeast of junction of State Highway 59 and U. S. Highway 70. Records available: 1949-50.

Jan. 31	38.08	Apr. 28	37.90	July 31	38.09	Nov. 1	38.26
Feb. 28	37.98	June 2	37.91	Aug. 31	37.90	Dec. 1	38.08
Mar. 31	38.01	30	38.07	Sept. 29	38.16		

Henry County

40:1-5. City of Paris. About 35 feet southwest of new waterworks building, about 150 feet south of elevated tank. Records available: 1945, 1947-50.

Jan. 30	105.83	Apr. 27	105.74	July 31	112.40	Nov. 1	110.86
Feb. 28	107.09	June 1	110.58	Sept. 2	109.94	Dec. 1	111.00
Mar. 30	105.68	30	110.37	29	110.45		

Madison County

57:5-6. City of Jackson. About 550 feet north of Magnolia St., about 2,000 feet east of South Royal St. (U. S. Highway 45). Nearby well pumping at time of each measurement. Records available: 1944-45, 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	52.97	June 6	49.51	Aug. 31	48.93	Nov. 1	54.10
Mar. 31	51.99	30	53.64	Sept. 29	53.10	Dec. 1	53.64
Apr. 28	52.55	July 31	50.17				

57:36-1. Formerly T-1-M. Tennessee Division of Geology and U. S. Geol. Survey. About 90 feet south of State Highway 20, 0.4 mile east of gravel road to Claybrook. Records available: 1949-50.

Jan. 31	125.73	Apr. 28	125.50	July 31	125.93	Nov. 1	125.69
Feb. 28	125.63	June 1	125.55	Aug. 31	125.43	Dec. 1	125.53
Mar. 31	125.60	30	125.80	Sept. 29	125.69		

57:36-2. Formerly T-2-M. Tennessee Division of Geology and U. S. Geol. Survey. In picnic area of West Tennessee Agricultural Experiment Station, about 85 feet west of pavilion, about 0.6 mile north of U. S. Highway 70. Recording gage installed July 10. Measurements made with pressure gage through June. Records available: 1949-50.

Water level above land-surface datum

Jan. 31	50.4	July 17	48.5	Sept. 4	49.0	Oct. 23	48.4
Feb. 28	50.4	31	48.6	11	48.7	30	48.4
Mar. 31	50.0	Aug. 7	48.3	18	48.7	Nov. 6	48.4
Apr. 28	49.4	14	48.3	25	48.5	13	48.2
June 1	48.9	21	48.5	Oct. 2	48.3	20	48.4
30	51.5	28	48.5	9	48.3	29	51.2
July 10	48.7			16	48.7	Dec. 4	51.1

Shelby County

79:1-1. Memphis Light, Gas and Water Division. On O. K. Robertson Rd., 2.2 miles north of Frayser. Records available: 1940-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.84	20.24	19.24	22.36	22.47	23.56	24.92	26.26	27.83	.....	.....	26.43
2	25.77	20.09	19.42	22.35	22.37	23.63	24.97	26.32	27.83	h26.92	.....	26.36
3	25.43	20.27	19.63	22.25	22.33	23.60	25.02	26.40	27.85	.....	.....	26.38
4	25.30	20.34	19.89	22.30	22.31	23.64	25.06	26.47	27.86	.....	.....	26.38
5	25.16	20.35	20.08	22.32	22.35	23.58	25.00	26.54	27.80	.....	.....	26.28
6	25.26	20.27	20.17	22.29	22.42	23.51	.....	26.60	27.61	.....	h27.80	.....
7	25.25	20.19	20.39	22.20	22.26	23.55	.....	26.63	27.37	.....	27.78	.....
8	24.92	20.18	20.95	22.04	21.98	23.56	.....	26.65	27.13	.....	27.68	.....
9	24.64	20.23	21.31	21.90	22.02	23.59	.....	26.64	26.98	h27.13	27.57	.....
10	24.49	20.26	21.57	21.69	22.18	23.56	h25.15	26.70	26.91	27.17	.....	.....
11	24.01	20.29	21.72	21.49	22.23	23.60	25.20	26.85	26.86	27.20	.....	h26.20
12	23.70	20.19	21.79	21.40	22.21	23.59	25.24	26.95	26.76	27.30	.....	26.10
13	23.20	19.82	21.60	21.32	22.21	23.61	25.28	27.03	26.68	27.34	h27.59	25.95
14	23.08	19.60	.....	21.32	22.20	23.72	25.33	27.08	26.67	.....	27.54	.....
15	23.15	19.60	.....	21.28	22.20	23.87	25.43	27.18	26.64	.....	27.42	.....
16	22.87	19.56	.....	21.20	22.20	24.03	25.49	27.27	26.70	h27.45	.....	.....
17	22.53	19.52	.....	21.08	22.20	24.13	25.52	27.37	26.80	27.47	.....	.....
18	22.01	19.38	.....	21.04	22.18	24.17	25.52	27.47	26.85	27.39	.....	h25.89
19	21.77	19.31	.....	21.24	22.24	24.20	25.56	27.57	26.88	27.33	.....	25.86
20	21.71	19.24	h21.90	21.41	22.38	24.33	25.66	27.62	26.89	27.34	h27.20	25.82
21	21.54	.....	21.81	21.53	22.52	24.45	25.76	27.64	26.92	27.38	27.25	25.83
22	21.32	.....	21.83	21.63	22.61	24.56	25.84	27.64	27.05	27.36	27.09	25.78
23	21.11	.....	21.81	21.66	22.69	24.69	25.92	27.63	27.15	27.48	27.25	25.77
24	20.96	.....	21.79	21.64	22.78	24.80	25.97	27.58	27.32	27.50	27.26	25.74
25	20.90	.....	21.86	21.80	22.92	24.87	25.97	27.54	27.37	.....	27.20	.....
26	20.90	19.24	21.88	21.93	23.04	24.84	25.90	27.55	27.38	.....	26.96	.....
27	20.89	19.23	21.87	22.14	23.11	24.80	25.91	27.51	27.35	.....	26.80	.....
28	20.84	19.05	22.01	22.30	23.17	24.74	25.94	27.51	27.30	.....	26.69	.....
29	20.77	.....	22.17	22.43	23.22	24.74	26.01	27.75	.....	.....	26.63	h25.48
30	20.77	.....	22.37	22.45	23.24	24.83	26.10	27.82	.....	h27.79	26.50	25.70
31	20.52	.....	22.37	.....	23.43	.....	26.17	27.81	.....	27.79	.....	25.81

h Tape measurement.

79:1-2. Memphis Light, Gas and Water Division. On Scheibler Rd., 1.4 miles northwest of Bartlett. Records available: 1940-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	77.34	75.48	74.44	74.49	74.39	75.09	76.28	76.63	77.46	77.16	77.39	77.03
2	77.24	.....	74.46	74.48	74.32	75.09	76.31	76.66	77.48	77.20	77.36	76.97
3	77.05	.....	74.41	74.46	74.32	75.03	76.29	76.75	77.49	77.20	77.30	76.92
4	76.92	.....	74.38	74.47	76.34	75.04	76.25	76.80	77.50	77.18	77.31	76.90
5	76.90	.....	76.36	74.73	74.42	75.04	76.10	76.88	77.54	77.16	77.34	76.82
6	76.83	.....	74.30	74.78	74.48	75.08	75.97	76.93	77.54	77.13	77.38	76.71
7	76.85	75.27	.....	74.75	74.44	75.13	75.86	76.98	77.51	77.14	77.38	76.63
8	76.82	75.26	74.43	74.74	74.37	75.19	75.80	77.03	77.38	77.11	77.36	76.59
9	76.68	75.27	74.49	74.74	74.35	75.25	75.73	77.04	77.27	77.04	77.32	76.57
10	76.77	75.26	74.47	74.71	74.44	75.26	75.65	77.07	77.18	77.03	77.32	76.64
11	76.77	75.21	74.38	74.75	74.50	75.29	75.65	77.13	77.17	77.05	77.33	76.64
12	76.67	75.02	74.33	74.75	74.49	75.31	75.62	77.18	77.19	77.15	77.36	76.72
13	76.49	.....	74.37	74.76	74.48	75.34	75.58	77.22	77.22	77.19	77.40	76.76
14	76.55	74.84	74.37	74.77	74.46	75.38	75.50	77.25	77.23	77.21	77.45	76.78
15	76.51	74.84	.....	74.76	74.51	75.42	75.45	77.31	77.18	77.24	77.45	76.92
16	76.58	74.81	.....	74.72	74.57	75.47	75.48	77.36	77.08	77.25	.....	76.92
17	76.57	74.84	74.33	74.63	74.61	75.51	h75.46	77.38	77.09	77.28	.....	76.90
18	76.40	74.88	74.40	74.55	74.62	75.52	.....	77.42	77.11	77.25	.....	76.92
19	76.49	74.90	74.43	74.57	74.65	75.56	.....	77.50	77.11	77.19	.....	76.90
20	76.49	74.87	74.47	74.54	74.66	75.64	.....	77.54	77.07	77.19	h77.40	76.95
21	76.41	74.75	74.49	74.47	74.72	75.69	75.75	77.58	77.02	77.20	77.44	76.95
22	76.26	74.59	74.52	74.40	74.78	75.71	75.85	77.65	77.01	77.08	77.33	76.90
23	76.10	74.60	74.54	74.34	74.80	75.77	75.93	77.72	77.02	77.17	77.34	76.89
24	76.03	74.56	74.52	74.25	74.83	75.86	75.98	77.73	77.10	77.21	77.36	76.81
25	76.02	74.56	74.52	74.23	74.88	75.93	76.05	77.63	77.12	77.24	77.33	76.78
26	76.05	74.61	74.44	74.24	74.94	75.98	76.07	77.55	77.15	77.25	77.18	76.70
27	76.04	74.56	74.32	74.29	74.96	76.06	76.14	77.51	77.15	77.28	77.11	76.70
28	75.91	74.45	74.35	74.32	74.96	76.08	76.24	77.47	77.14	77.35	77.15	76.56
29	75.75	.....	74.49	74.34	75.06	76.16	76.30	77.50	77.13	77.38	77.15	76.40
30	75.69	.....	74.53	74.35	74.95	76.23	76.39	77.51	77.14	77.40	77.08	76.44
31	75.62	.....	74.52	.....	75.02	.....	76.52	77.48	77.41	77.41	76.48	.....

h Tape measurement.

79:1-3. Memphis Light, Gas and Water Division. On Macon Rd., 4.5 miles north of Germantown. Records available: 1940-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	77.94	77.07	76.84	76.56	76.80	76.97	77.40	77.52	77.47	77.65	77.80	77.37
2	77.92	77.01	76.89	76.48	76.71	76.94	77.35	77.52	77.48	77.69	77.78	77.33
3	77.75	77.05	76.83	76.36	76.70	76.86	77.33	77.56	77.50	77.69	77.72	77.37
4	77.80	77.02	76.74	76.60	76.70	76.89	77.34	77.57	77.50	77.68	77.78	77.37
5	77.75	76.97	76.70	76.71	76.70	76.90	77.29	77.58	77.52	77.69	77.81	77.34
6	77.80	76.82	76.59	76.76	76.77	76.90	77.30	77.61	77.53	77.68	77.83	77.28
7	77.82	76.71	76.46	76.71	76.75	76.93	77.33	77.62	77.48	77.70	77.83	77.22
8	77.79	76.71	76.72	76.62	76.72	76.93	77.36	77.62	77.37	77.67	77.74	77.19
9	77.53	76.77	76.82	76.60	76.64	76.94	77.34	77.59	77.35	77.71	77.82	77.15
10	77.43	76.80	76.80	76.57	76.64	76.89	77.34	77.63	77.37	77.74	77.85	77.07
11	77.43	76.82	76.66	76.67	76.63	76.92	77.35	77.66	77.43	77.73	77.85	77.06
12	77.32	76.74	76.59	76.68	76.59	76.93	77.35	77.68	77.48	77.82	77.78	76.98
13	77.23	76.62	76.73	76.72	76.52	76.92	77.34	77.69	77.51	77.85	77.70	77.02
14	77.30	76.73	76.74	76.76	76.45	76.96	77.35	77.69	77.52	77.82	77.65	77.02
15	77.23	76.78	76.63	76.77	76.49	77.02	77.35	77.69	77.49	77.83	77.60	77.10
16	77.30	76.78	76.46	76.72	76.56	77.06	77.40	77.72	77.49	77.87	77.60	77.13
17	77.30	76.78	76.46	76.64	76.62	77.08	h77.39	77.71	77.55	77.89	77.62	77.19
18	77.11	76.76	76.37	76.60	76.62	77.07	.....	77.67	77.60	77.83	77.56	77.23
19	77.31	76.81	76.37	76.83	76.61	77.08	77.36	77.71	77.61	77.75	77.43	77.20
20	77.34	76.78	76.43	76.84	76.62	77.11	.....	77.76	77.56	77.74	77.65	77.24
21	77.30	76.68	76.41	76.86	76.67	77.13	77.41	77.77	77.53	77.76	77.65	77.24
22	77.18	76.57	76.48	76.83	76.73	77.13	77.40	77.79	77.54	77.73	77.53	77.19
23	77.06	76.65	76.52	76.80	76.75	77.16	77.40	77.83	77.56	77.80	77.59	77.16
24	77.03	76.73	76.48	76.63	76.75	77.24	77.42	77.80	77.68	77.82	77.62	77.15
25	77.14	76.79	76.50	76.68	76.76	77.25	77.43	77.72	77.70	77.81	77.60	77.15
26	77.35	76.92	76.42	76.74	76.81	77.22	77.39	77.70	77.68	77.79	77.43	77.22
27	77.39	76.92	76.27	76.77	76.82	77.25	77.40	77.73	77.65	77.76	77.43	77.24
28	77.34	76.77	76.46	76.80	76.80	77.24	77.40	77.70	77.64	77.78	77.48	77.20
29	77.16	.....	76.73	76.76	76.82	77.32	77.41	77.65	77.64	77.81	77.49	77.14
30	77.17	.....	76.78	76.77	76.77	77.37	77.42	77.57	77.63	77.83	77.39	77.20
31	77.12	.....	76.73	.....	76.88	.....	77.48	77.49	.....	77.82	.....	77.25

h Tape measurement.

79:1-4. Memphis Light, Gas and Water Division. On Winchester Rd., about 4 miles southwest of Germantown. Records available: 1940, 1946-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	83.11	82.76	82.47	82.34	82.23	82.44	82.74	82.83	82.88	83.09	83.14	.....
2	83.04	82.74	82.56	82.24	82.20	82.45	82.73	82.83	82.92	83.11	83.12	.....
3	82.86	82.87	82.56	82.12	82.13	82.44	82.73	82.86	82.99	83.12	83.04	.....
4	82.86	82.89	82.52	82.09	82.15	82.38	82.72	82.88	83.02	83.11	83.09	h83.05
5	82.89	82.88	82.48	82.27	28.17	82.41	82.72	82.89	83.04	.....	83.12	83.07
6	83.02	82.78	82.40	82.34	82.22	82.44	82.72	82.91	83.06	.....	83.16	83.06
7	83.17	82.62	82.22	82.34	82.25	82.46	82.73	82.95	83.06	.....	83.16	.....
8	83.17	82.58	82.24	82.31	82.28	82.47	82.74	82.96	82.98	.....	83.12	.....
9	83.08	82.54	82.40	82.26	82.28	82.49	82.74	82.92	82.91	h83.05	83.14	.....
10	82.93	82.57	82.42	82.20	82.28	82.48	h82.72	82.93	82.91	.....	83.25	.....
11	82.97	82.58	82.38	82.20	82.29	82.48	82.73	82.95	82.95	.....	83.26	h83.07
12	82.97	82.56	82.20	82.23	82.27	82.50	82.72	82.97	82.99	.....	83.26	82.99
13	82.88	82.38	82.26	82.25	82.20	82.49	82.70	82.98	83.02	.....	83.25	83.00
14	82.88	82.44	82.34	82.28	82.14	82.47	82.70	82.99	83.02	.....	83.24	83.00
15	82.88	82.57	82.34	82.30	82.11	82.48	82.72	82.99	.....	.....	83.19	83.02
16	82.94	82.62	82.22	82.29	82.16	82.49	82.75	83.01	.....	h83.16	83.13	.....
17	82.95	82.63	82.21	82.25	82.20	82.51	82.77	83.01	.....	83.19	83.14	.....
18	82.86	82.62	82.17	82.16	82.21	82.51	82.77	82.99	h83.12	83.18	83.14	h83.11
19	82.88	82.64	82.14	82.17	82.21	82.52	82.76	83.00	83.13	83.10	83.03	.....
20	82.97	82.64	82.16	82.21	82.20	82.55	82.75	83.03	83.11	83.03	83.01	.....
21	82.97	82.57	82.17	82.22	82.23	82.60	82.77	83.06	83.07	83.02	83.10	.....
22	82.90	82.30	82.19	82.21	82.30	82.61	82.78	83.08	83.02	82.97	83.10	.....
23	82.76	82.34	82.21	82.19	82.32	82.62	82.78	83.09	83.03	83.06	83.09	.....
24	82.64	82.40	82.19	82.15	82.32	82.64	82.79	83.09	.....	83.11	.....	.....
25	82.65	82.44	82.18	82.05	82.32	82.67	82.79	83.03	83.13	83.12	.....	.....
26	82.78	82.56	82.16	82.13	82.35	82.67	82.77	83.00	83.13	83.12	.....	.....
27	82.88	82.58	82.00	82.18	82.37	82.68	82.74	83.02	83.13	83.11	h83.05	.....
28	82.88	82.54	82.01	82.20	82.36	82.68	82.74	83.03	83.12	83.11	.....	.....
29	82.78		82.26	82.20	82.37	82.68	82.74	83.02	83.11	83.13	.....	h82.93
30	82.69		82.42	82.20	82.35	82.71	82.75	82.98	83.10	83.17	.....	.....
31	82.67		82.43		82.35		82.79	82.92		83.17	.....	.....

h Tape measurement.

79:3-A. Memphis Light, Gas and Water Division. In Memphis, on southwest corner of intersection of Sycamore Ave. and Fifth St. Records available: 1927-32, 1936-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	52.9	47.1	46.2	52.6	53.0	58.9	61.5	61.8	63.7	59.0	59.8	....
2	52.4	47.4	46.5	52.6	52.8	59.2	61.5	62.3	63.7	58.5	59.9	....
3	51.7	47.6	46.9	51.8	53.0	59.3	60.8	62.4	63.7	58.7	59.9	....
4	51.5	47.7	47.3	51.8	53.4	59.2	60.5	62.6	63.0	59.0	59.5	h55.47
5	51.5	47.6	47.3	52.1	54.0	57.8	60.3	62.6	62.1	59.0	.....	55.7
6	51.4	47.2	47.2	52.2	54.2	57.8	60.1	62.6	61.4	59.0	h57.89	56.0
7	51.6	47.0	47.8	52.2	54.2	58.0	60.5	62.0	61.1	59.3	57.6	56.3
8	51.6	47.3	48.8	52.0	53.8	58.3	60.8	61.5	61.0	59.3	57.7	56.4
9	51.2	47.8	49.3	51.6	53.5	58.6	60.8	61.6	60.8	58.9	57.7	56.5
10	50.9	48.1	49.8	50.7	54.0	58.7	60.6	61.7	60.4	58.4	57.6	56.5
11	50.8	48.2	50.2	50.3	54.8	58.6	60.6	62.0	59.6	58.5	.....	56.3
12	50.6	47.9	50.2	50.4	55.5	58.0	61.1	62.2	59.6	58.9	.....	55.9
13	50.9	46.8	50.0	50.5	55.7	58.4	61.5	62.2	60.1	59.3	h56.55	55.9
14	51.1	46.8	50.4	50.5	55.7	59.0	61.6	62.1	60.5	59.4	.....	56.0
15	50.9	46.8	50.8	50.4	55.2	59.8	61.7	62.4	60.6	59.2	.....	55.1
16	50.4	46.8	51.2	49.9	55.3	60.5	61.7	62.8	60.6	58.6	.....	56.1
17	50.0	46.9	51.4	49.1	55.9	60.8	h60.88	63.2	60.5	58.8	.....	55.8
18	50.0	46.9	51.5	48.8	56.4	60.9	60.8	63.6	60.2	59.3	.....	55.1
19	50.1	46.8	51.4	49.4	56.8	60.6	61.1	63.6	60.4	59.7	.....	54.7
20	50.1	46.3	50.8	50.1	56.9	60.6	61.6	63.6	60.8	60.1	h56.50	55.0
21	50.0	46.0	50.6	50.5	57.0	61.1	62.0	63.2	61.2	60.1	.....	55.2
22	49.6	46.4	50.8	50.7	56.3	61.5	62.1	62.7	61.7	.....	.....	55.2
23	48.9	46.5	50.9	50.7	56.6	61.7	62.1	62.7	61.9	h59.13	.....	55.1
24	48.4	46.6	51.3	50.5	57.3	61.8	61.7	62.7	61.9	59.1	.....	54.8
25	48.6	46.8	51.4	51.4	57.9	61.8	61.3	62.9	61.4	59.1	.....	54.2
26	48.6	46.8	51.4	52.2	58.4	61.3	61.5	63.1	60.8	59.2	.....	53.0
27	48.8	46.4	51.0	53.0	58.5	60.9	61.7	63.1	60.4	59.4	h55.50	52.8
28	48.6	46.0	51.3	53.3	58.5	61.1	62.0	62.9	60.0	59.8	.....	53.4
29	48.3		52.0	53.6	58.0	61.3	62.2	63.0	59.6	59.8	.....	53.9
30	47.8		52.3	53.6	58.1	61.5	62.2	63.4	59.4	h59.42	.....	54.1
31	47.2		52.6		58.5		61.8	63.6		59.6		54.1

h Tape measurement.

79:5-193. Memphis Light, Gas and Water Division. About 100 feet north of Central Ave., about 225 feet east of Tanglewood St. Records available: 1928-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	96.5	95.6	97.3	97.0	101.2	103.5	103.7	104.8	102.1	101.0	101.1
2	....	96.7	95.9	96.9	97.1	101.3	103.4	104.0	104.8	101.5	101.4	100.9
3	....	96.9	96.0	96.6	97.4	101.1	102.8	104.2	104.2	101.5	101.5	100.8
4	....	96.9	96.0	97.0	97.5	100.8	101.8	104.4	103.3	101.8	101.5	100.9
5	....	96.5	95.7	97.4	97.5	100.6	101.0	104.3	102.6	101.9	101.2	101.2
6	....	96.1	95.3	97.6	97.5	100.8	100.6	104.1	102.9	101.9	101.0	101.5
7	....	96.3	95.6	97.7	97.3	101.0	100.3	103.7	102.9	101.8	101.2	101.7
8	....	96.4	96.0	97.7	97.3	101.2	100.1	103.8	102.1	100.6	101.2	101.8
9	....	96.6	96.3	97.2	97.5	101.3	99.8	104.1	102.0	100.2	101.6	101.7
10	....	96.6	96.5	96.9	97.7	101.1	99.7	104.3	101.4	100.2	101.7	101.4
11	98.3	96.6	96.5	97.1	98.6	100.9	100.0	104.5	101.0	101.4	101.8	101.1
12	98.4	96.2	96.0	97.2	98.1	100.8	100.3	104.5	101.1	101.9	101.5	101.1
13	98.4	95.7	96.0	97.5	97.8	101.0	100.5	104.2	102.2	102.2	101.2	101.1
14	98.4	96.0	96.2	97.5	98.4	101.2	100.6	104.0	102.5	102.2	101.4	101.1
15	98.0	96.0	96.2	97.5	98.8	101.6	100.6	104.5	102.5	101.8	101.6	101.0
16	97.7	96.1	96.6	97.1	99.1	101.9	100.3	104.8	102.2	101.0	101.9	101.0
17	97.8	96.1	96.6	96.7	99.6	102.1	100.6	105.0	101.9	101.4	102.1	100.8
18	97.8	96.1	96.6	96.6	99.8	102.1	101.3	105.2	101.3	101.8	102.1	.....
19	98.0	95.8	96.4	96.6	100.0	102.2	101.9	105.2	101.8	102.3	101.8	h100.47
20	98.0	95.3	96.2	97.0	100.2	102.4	102.5	104.9	102.2	102.5	101.5	100.7
21	97.8	95.4	96.4	97.1	100.0	102.7	102.9	104.6	102.5	102.5	101.7	100.8
22	97.4	95.3	96.7	97.1	100.1	103.0	103.0	104.7	102.6	102.2	101.8	100.8
23	97.0	95.4	....	96.8	100.2	103.0	102.8	104.8	102.6	102.2	101.8	100.5
24	96.9	95.6	....	96.6	100.4	102.8	102.4	104.7	102.5	102.4	101.5	100.0
25	97.1	95.6	....	96.9	100.8	102.7	102.7	104.6	102.4	102.4	100.9	99.2
26	97.4	95.5	96.3	97.0	101.0	102.8	103.0	104.5	102.4	101.6	100.6	98.1
27	....	95.4	95.9	97.4	100.9	103.0	103.2	104.2	102.5	101.5	100.6	98.0
28	97.3	95.4	96.3	97.6	100.6	103.2	103.5	104.0	102.7	101.3	101.0	98.0
29	97.1	....	97.0	97.5	100.5	103.3	103.6	104.3	102.7	100.9	101.1	98.1
30	96.5	....	97.3	97.3	100.6	103.4	103.4	104.6	102.5	100.2	101.1	98.1
31	96.5	....	97.3	....	101.0	....	103.4	104.6	....	100.5	....	98.1

h Tape measurement.

79:7-17. Memphis Light, Gas and Water Division. On North Parkway at end of North Garland St. Records available: 1940-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	87.5	87.2	84.0	87.7	89.7	96.4	99.1	99.1	100.1	93.8	93.2	89.9
2	86.2	87.6	85.3	86.2	89.4	96.5	95.3	100.7	99.9	91.6	93.3	91.0
3	88.0	87.6	85.6	87.0	90.0	96.1	95.6	100.5	99.6	93.4	91.9	91.1
4	88.8	86.3	85.5	88.5	89.7	....	94.7	101.2	95.4	92.6	91.2	89.0
5	89.0	85.7	85.1	91.1	89.9	93.7	94.5	101.1	94.7	93.2	89.8	89.4
6	92.2	84.5	84.8	91.3	90.2	94.5	95.0	100.8	95.9	93.4	88.8	89.6
7	92.9	85.6	85.1	91.3	89.0	95.0	94.9	98.5	96.4	93.8	89.8	90.6
8	91.9	86.3	85.7	91.7	88.4	95.6	....	100.1	96.4	93.8	90.0	92.0
9	90.5	86.5	87.1	90.4	87.7	95.9	....	99.9	95.0	91.2	89.7	92.7
10	90.5	86.5	87.3	90.3	89.6	95.8	92.6	100.7	95.0	92.4	89.7	92.8
11	90.8	86.4	87.4	91.6	91.3	....	95.0	101.0	93.4	92.1	89.5	92.7
12	91.3	85.0	86.4	91.4	91.8	94.8	96.0	101.5	94.4	94.1	89.3	92.6
13	91.3	84.3	86.0	91.8	91.4	95.8	96.6	101.5	95.7	94.6	88.8	92.8
14	90.6	85.0	85.4	91.0	89.3	97.9	....	101.1	96.5	....	89.9	92.9
15	89.2	85.0	85.8	90.0	89.5	100.9	....	103.5	95.8	....	90.8	92.9
16	88.1	85.0	88.0	89.2	92.5	102.1	....	104.2	95.0	91.7	93.0	92.8
17	88.7	85.0	88.1	88.2	93.8	102.4	93.0	104.8	....	93.4	93.0	91.8
18	89.0	84.9	88.1	89.1	94.3	99.7	95.3	105.0	h93.41	94.3	91.4	90.4
19	88.8	84.2	87.3	90.5	94.3	98.4	97.1	102.7	95.3	94.4	91.0	91.4
20	88.8	83.5	85.8	92.9	94.2	99.1	98.5	102.0	96.2	94.2	89.8	92.0
21	88.7	83.7	86.2	91.6	92.5	100.3	98.9	99.8	96.9	94.1	90.1	92.1
22	87.9	84.7	86.7	92.2	93.1	100.2	....	100.9	97.2	93.7	90.8	92.1
23	86.4	84.8	87.9	90.8	94.6	99.3	....	101.3	96.7	92.0	90.4	91.4
24	86.9	84.8	88.0	90.1	94.3	99.2	95.1	101.1	96.5	92.3	89.9	90.6
25	88.3	85.3	87.5	92.0	96.2	97.8	97.9	99.6	h93.83	91.4	88.5	88.6
26	88.5	84.7	86.6	91.8	96.5	97.5	98.0	99.5	....	93.0	88.3	86.6
27	88.5	83.8	85.4	93.7	96.4	98.9	....	98.8	....	93.3	89.3	85.9
28	88.2	85.3	86.6	92.9	94.9	99.2	....	98.6	94.1	93.7	91.1	87.1
29	87.5	....	87.5	93.1	94.6	99.6	....	99.7	94.3	93.7	89.5	87.6
30	86.1	....	87.8	90.9	95.5	99.5	....	100.2	93.8	91.4	89.8	88.7
31	86.6	....	87.8	....	95.5	....	97.2	100.1	....	92.5	....	88.7

h Tape measurement.

79:7-26. Memphis Light, Gas and Water Division. On the grounds of North Parkway pumping station, about 125 feet east of North Dunlap St., about 1,000 feet south of North Parkway. Records available: 1945-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	70.9	69.9	71.9	68.2	72.2	93.0	93.8	77.8	75.4	71.9	69.5
2	....	71.1	70.1	71.8	68.0	72.1	92.9	94.3	77.4	87.4	71.9	69.5
3	70.1	71.1	70.3	71.6	68.5	72.1	92.5	94.7	76.9	88.3	71.8	69.6
4	70.9	70.6	70.6	71.8	68.8	72.1	93.1	95.0	76.1	75.3	72.0	69.6
5	71.0	69.7	70.6	71.8	69.0	72.0	....	81.8	88.4	74.2	72.1	69.4
6	71.2	69.1	70.7	71.8	69.2	72.0	....	79.9	89.0	73.9	72.1	69.2
7	71.2	69.0	70.8	71.6	69.3	72.8	....	92.2	89.5	73.8	72.0	69.1
8	71.2	69.2	71.3	71.5	69.3	73.0	....	92.7	76.5	73.6	71.8	....
9	71.6	69.4	71.5	71.5	71.1	72.1	....	93.0	75.9	73.5	72.0	....
10	70.8	69.4	71.6	71.4	71.9	72.1	89.5	93.1	....	73.5	72.2	....
11	70.9	69.3	71.6	71.2	72.2	72.1	90.2	93.1	89.3	73.4	72.3	h75.23
12	70.7	69.2	71.6	71.0	72.4	72.0	89.9	93.5	....	73.5	72.3	84.5
13	70.7	69.1	72.0	70.8	69.7	72.6	89.6	79.4	....	73.4	72.2	84.4
14	70.8	69.3	72.0	70.8	68.8	73.1	....	92.3	....	73.3	72.1	84.5
15	70.8	69.4	71.9	70.6	h68.33	73.5	....	92.7	76.4	73.1	71.7	71.0
16	71.2	69.4	71.8	70.6	....	73.8	....	92.9	74.4	72.8	71.4	70.5
17	70.8	69.5	71.7	70.5	....	77.1	88.6	....	73.9	72.5	71.4	70.3
18	70.5	69.5	71.6	70.2	....	77.3	....	....	86.3	72.5	71.2	70.2
19	71.5	69.6	71.5	70.7	....	79.0	....	....	87.0	72.5	71.0	70.1
20	70.6	69.6	71.5	70.8	....	79.3	....	....	87.2	72.4	71.1	70.3
21	70.5	69.5	71.5	70.9	....	79.2	....	92.5	87.7	72.4	71.0	70.3
22	70.4	69.4	71.4	71.0	h71.36	79.5	....	93.0	88.2	72.3	70.7	70.2
23	70.1	68.9	71.5	71.1	71.5	80.0	....	93.5	75.8	72.4	70.9	70.0
24	70.1	68.5	71.7	71.1	71.6	80.2	91.8	92.6	74.6	72.6	70.8	69.8
25	70.3	68.3	71.7	68.7	71.7	80.3	92.2	92.2	88.3	72.6	70.3	69.4
26	70.7	68.4	71.6	68.6	71.8	92.1	92.1	92.0	88.5	72.7	69.5	69.0
27	70.8	68.7	71.6	68.5	71.8	92.2	92.5	92.0	88.8	72.8	69.5	69.0
28	70.7	69.4	71.8	68.4	71.9	91.9	85.0	92.2	88.9	72.8	69.6	69.2
29	70.8	....	72.1	68.2	71.9	91.9	79.2	92.2	88.8	72.8	69.6	69.5
30	70.9	....	72.2	68.2	71.8	94.1	78.8	92.2	88.9	72.4	69.5	69.7
31	70.9	....	72.1	....	72.0	....	93.8	79.2	....	72.0	....	69.8

h Tape measurement.

79:7-34. Memphis Light, Gas and Water Division. In lot between Leath and Dunlap Sts., about 250 feet north of North Parkway. Records available: 1944-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	96.4	98.0	94.5	102.2	97.1	109.6	....	116.0	110.4	98.4	102.5	100.0
2	93.7	98.2	96.8	98.7	98.8	109.6	....	116.0	110.1	100.2	102.4	101.5
3	93.5	98.4	97.4	99.4	99.5	109.4	108.8	115.6	109.0	102.9	101.2	101.4
4	92.2	98.1	97.4	101.0	99.9	103.6	109.0	116.6	104.3	101.7	98.4	99.9
5	93.0	95.7	95.4	101.8	100.7	104.0	108.2	115.4	106.2	100.0	95.9	100.7
6	102.3	95.6	96.4	102.1	100.7	105.3	....	109.2	107.6	100.0	96.9	101.1
7	103.9	97.1	100.3	101.7	100.5	106.1	....	111.7	107.6	100.8	99.0	101.5
8	100.3	98.1	101.5	99.0	98.4	108.3	....	112.2	106.1	100.2	99.0	103.7
9	99.2	98.2	102.1	98.0	101.4	108.8	....	111.0	103.6	97.9	97.0	104.0
10	99.3	98.2	102.7	98.2	104.0	108.8	108.2	112.0	102.3	99.6	96.4	103.7
11	99.8	97.8	102.7	99.2	107.0	105.5	110.2	112.4	104.4	99.6	96.1	104.0
12	100.0	93.9	99.4	100.4	107.6	107.9	111.4	112.7	106.6	....	95.7	104.7
13	102.0	95.2	99.9	101.2	97.4	109.9	111.4	110.9	107.9	101.6	95.3	105.0
14	101.7	96.5	102.4	101.1	104.4	112.4	....	113.8	108.3	101.6	100.0	104.9
15	98.3	96.5	103.4	94.9	104.9	114.1	....	114.4	107.2	....	101.3	103.1
16	98.2	96.4	103.3	93.0	107.4	114.9	....	114.4	103.4	99.8	102.0	102.8
17	100.2	96.4	102.1	95.0	107.9	114.9	106.1	114.5	101.8	101.7	101.9	98.8
18	100.5	96.2	102.0	98.2	107.3	113.1	108.1	114.6	104.8	102.6	101.6	100.0
19	100.0	93.7	99.6	101.1	107.3	110.9	111.2	113.0	108.0	103.1	98.9	101.3
20	99.7	92.6	99.3	102.0	107.0	....	112.5	107.3	109.0	103.3	99.2	102.0
21	99.6	95.8	99.9	101.0	103.7	....	112.8	108.4	109.7	102.9	100.0	101.9
22	97.0	96.4	102.5	100.3	105.7	....	110.8	109.5	109.7	....	101.2	100.4
23	96.7	96.6	103.1	99.2	107.4	....	106.7	110.0	106.8	100.3	101.2	99.8
24	98.2	97.1	103.6	99.7	108.5	....	109.6	109.6	103.1	100.7	98.6	98.0
25	98.3	97.6	103.5	101.9	109.2	....	111.7	109.0	104.3	100.7	98.6	94.6
26	97.6	95.0	102.0	103.1	109.8	113.6	111.7	109.5	104.3	101.0	98.5	95.5
27	97.5	94.9	101.6	103.1	109.8	115.2	113.0	109.3	101.8	101.7	100.1	97.8
28	97.4	95.1	103.3	102.1	107.4	115.3	113.0	110.9	101.3	102.0	100.2	98.4
29	95.2	....	104.3	101.9	107.6	115.6	110.7	112.1	101.2	100.4	99.1	98.4
30	95.1	....	104.7	99.6	108.9	115.0	109.5	112.6	100.9	100.7	100.6	98.3
31	96.7	....	104.6	....	108.6	....	114.0	110.9	....	101.9	....	96.3

79:8-56. Memphis Light, Gas and Water Division. Sheahan pumping station, about 50 feet east of Normal St., about 0.5 mile south of Central Ave. Records available: 1945-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	102.4	103.3	102.7	103.4	105.8	108.6	109.9	109.8	110.2	107.4	108.2	104.7
2	102.4	103.5	103.2	103.4	105.6	108.3	109.8	109.9	110.2	107.2	106.6	104.8
3	102.4	103.5	103.4	103.1	103.7	107.9	109.5	110.1	109.7	107.6	106.6	105.2
4	102.6	102.8	103.4	103.7	103.1	108.0	108.6	110.2	108.7	106.6	106.8	105.4
5	102.7	102.4	103.2	103.8	103.6	108.8	107.3	110.3	107.8	107.7	106.9	105.4
6	103.1	102.1	102.9	103.9	102.9	109.0	107.2	110.4	108.0	107.6	106.9	105.6
7	103.0	102.0	102.8	103.8	103.0	109.0	106.8	110.5	108.0	107.4	106.7	105.7
8	103.0	101.6	103.4	103.7	103.0	.....	106.5	110.5	108.0	107.3	106.4	105.7
9	102.8	101.7	103.5	103.5	102.8	h108.96	.....	110.4	108.1	107.0	106.8	105.7
10	102.9	101.4	103.5	103.4	106.5	109.0	.....	110.4	108.3	107.1	107.1	105.5
11	103.0	101.3	103.3	104.0	107.1	109.1	h105.11	110.3	108.5	107.2	107.3	105.5
12	102.6	101.2	102.8	104.1	107.4	109.1	105.0	110.3	108.4	107.5	107.5	105.5
13	102.5	.....	103.4	104.1	107.5	108.9	104.7	110.3	108.3	107.4	107.4	105.9
14	102.8	.....	103.3	104.1	107.6	108.8	104.5	110.2	108.4	107.2	107.4	106.1
15	102.9	101.6	103.1	104.0	107.7	108.6	104.3	110.8	108.3	107.6	106.0	106.5
16	102.9	101.7	103.2	103.4	107.8	108.8	104.5	111.0	108.2	107.4	106.6	106.5
17	102.9	101.8	103.3	103.3	107.8	109.0	105.4	111.0	107.9	107.0	106.8	106.8
18	102.9	102.0	103.2	103.3	107.7	109.0	106.3	111.0	107.3	107.3	106.8	106.8
19	102.9	102.2	103.3	103.1	107.6	109.2	106.9	111.1	107.4	107.0	106.8	107.0
20	102.9	102.1	103.4	101.8	107.5	109.2	107.5	111.3	107.4	107.6	106.5	107.1
21	102.7	101.8	103.4	102.0	107.5	109.3	108.0	111.5	107.3	107.8	106.6	106.9
22	102.6	101.6	103.5	101.6	107.6	109.4	108.4	111.6	107.7	107.8	106.1	106.6
23	102.4	101.8	103.6	101.5	105.7	109.6	108.9	111.6	107.9	108.0	106.0	106.3
24	102.2	101.8	103.4	104.6	105.8	109.8	108.1	111.4	108.0	108.3	105.7	105.6
25	102.3	101.7	103.4	104.9	107.7	109.9	109.3	111.1	108.1	108.4	104.8	104.7
26	103.1	101.9	103.1	103.1	108.1	110.0	109.6	111.0	108.0	108.4	.....	103.6
27	103.1	102.4	102.9	102.9	108.4	110.2	109.8	110.8	108.1	108.4	.....	104.0
28	103.1	102.4	103.2	104.8	108.5	109.9	109.9	110.6	108.1	108.3	h104.33	104.3
29	103.1	.....	103.6	105.2	108.6	109.6	110.0	110.1	108.0	108.0	104.6	105.0
30	103.1	.....	103.6	105.4	108.3	109.9	109.8	110.1	107.9	107.1	104.7	105.4
31	103.2	.....	103.6	.....	108.5	.....	109.9	110.1	.....	108.2	.....	105.6

h Tape measurement.

79:8-73. Memphis Light, Gas and Water Division. About 300 feet north of Central Ave., about 800 feet east of Normal St. Records available: 1946-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	118.2	117.5	117.4	116.9	115.0	119.2	123.8	124.0	124.6	123.9	122.3	117.1
2	117.9	117.8	117.9	116.1	116.7	118.8	123.7	124.1	124.6	124.0	123.0	116.9
3	117.5	118.2	117.2	115.6	116.8	118.8	123.6	124.2	124.5	124.1	123.2	117.2
4	117.9	118.0	117.0	116.8	116.7	118.9	123.4	124.2	124.3	124.2	123.3	117.2
5	118.5	117.4	116.8	116.9	116.4	120.3	123.2	124.3	124.3	124.2	123.4	117.2
6	119.6	117.4	116.5	117.0	116.9	121.0	122.9	124.3	124.1	124.1	123.3	117.4
7	119.8	117.4	116.5	117.4	117.0	120.9	122.6	124.2	124.0	124.0	123.3	117.4
8	118.6	h117.48	117.1	117.1	116.9	121.0	122.6	124.3	123.9	123.9	122.9	117.4
9	117.8	.....	117.2	116.2	117.1	121.0	122.6	124.2	123.9	123.9	122.7	117.4
10	117.5	h117.23	117.1	116.3	117.6	121.0	122.5	124.3	123.8	123.9	122.5	117.2
11	h117.65	117.5	116.7	116.4	118.1	121.1	122.5	124.3	123.7	123.9	122.2	117.2
12	.....	117.4	115.8	115.6	118.3	121.1	122.5	124.4	123.8	124.1	.....	117.1
13	.....	117.3	117.2	115.7	116.7	121.0	122.5	124.4	123.9	124.2	.....	117.1
14	.....	117.8	116.4	116.0	117.3	122.5	122.5	124.4	124.0	124.2	h120.97	117.0
15	.....	118.0	116.4	115.3	117.2	122.9	122.5	125.0	124.0	123.9	120.9	117.2
16	.....	118.1	116.5	115.3	117.2	123.1	122.6	125.0	123.8	123.6	120.8	117.3
17	.....	118.0	116.6	114.9	117.6	123.2	122.7	124.9	123.8	123.9	120.9	117.4
18	h117.20	117.8	116.5	113.9	117.2	123.2	122.8	124.9	123.7	124.0	120.9	117.5
19	117.8	117.9	116.6	115.7	118.3	123.3	122.8	125.0	123.7	124.1	120.7	117.8
20	118.0	117.9	116.7	115.6	117.4	123.3	123.0	125.1	123.7	123.8	120.5	117.9
21	117.5	117.7	116.7	115.0	117.2	123.4	123.4	125.1	123.7	124.0	120.7	117.9
22	117.1	117.0	116.8	114.7	118.2	123.3	123.3	125.0	124.0	124.0	118.1	117.6
23	117.1	117.4	116.9	114.6	118.8	123.4	123.5	125.2	124.0	124.8	118.1	117.5
24	117.4	117.3	116.3	115.2	120.1	123.6	123.5	125.2	124.2	125.1	118.2	117.3
25	117.2	117.5	116.3	114.2	120.2	123.6	123.6	125.0	124.3	125.2	118.1	117.2
26	117.8	117.9	115.9	116.1	119.8	123.4	123.6	124.9	124.2	125.2	117.8	116.7
27	117.9	117.9	115.9	116.2	119.8	123.5	123.7	124.9	124.1	124.5	117.6	116.8
28	117.8	117.2	116.3	116.2	118.4	123.7	123.8	124.8	124.0	124.3	117.5	116.8
29	117.3	.....	116.9	114.3	119.1	123.7	123.6	124.7	124.0	124.2	117.5	116.8
30	117.4	.....	117.1	114.3	119.6	123.7	123.7	124.7	124.0	124.1	117.2	116.8
31	117.5	.....	117.0	.....	119.7	.....	123.7	124.6	.....	122.1	.....	116.9

h Tape measurement.

79:8-86S. Memphis Light, Gas and Water Division. About 225 feet south of Willow Road, about 1,400 feet east of Getwell Rd. Records available: 1948-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.81	25.84	23.99	21.67	23.01	25.01	26.85	27.54	.....	.....	28.07	.....
2	.....	25.82	24.00	21.54	22.86	24.99	26.82	27.82	.....	h27.82	28.37	.....
3	26.57	25.88	23.80	.....	22.88	25.10	26.87	27.45	.....	.....	28.11	.....
4	27.08	25.76	23.40	.....	22.84	25.21	27.14	27.51	28.04	.....	28.14	h27.83
5	26.86	25.66	23.26	.....	23.12	24.96	26.87	27.89	28.10	.....	28.38	28.17
6	27.09	25.23	23.21	22.26	23.37	24.88	26.72	27.39	28.07	.....	27.97	28.17
7	.....	25.32	23.08	22.20	23.37	24.94	26.68	27.62	28.04	.....	28.04	.....
8	.....	25.32	23.37	21.86	23.06	24.98	26.71	27.77	28.09	.....	27.96	.....
9	h26.27	25.49	23.65	21.94	22.80	25.03	26.69	27.76	28.09	h27.77	28.25	.....
10	26.98	25.49	23.71	22.01	22.90	25.01	26.84	.....	28.09	.....	.....	.....
11	27.04	25.07	23.15	22.23	22.92	24.86	27.05	.....	28.26	.....	.....	h27.26
12	27.07	24.79	22.91	22.19	22.90	24.82	27.12	.....	28.34	.....	.....	27.38
13	26.66	24.80	23.09	22.31	22.79	24.91	27.12	.....	28.39	.....	h27.73	27.39
14	26.57	24.85	23.19	22.62	22.42	25.32	27.06	27.86	28.59	.....	.....	27.32
15	26.41	24.77	22.97	22.63	22.37	25.81	27.30	28.29	28.47	.....	.....	27.41
16	26.61	24.79	22.54	22.31	22.58	26.13	26.79	.....	28.04	h27.78	.....	27.42
17	26.47	24.87	22.55	22.10	.....	26.37	26.96	.....	28.18	27.98	.....	27.43
18	26.33	24.65	.....	22.20	.....	26.48	26.99	.....	28.36	27.95	.....	h27.69
19	26.37	24.55	.....	22.48	.....	26.33	27.12	.....	.....	27.86	.....	.....
20	26.32	24.40	h22.24	22.65	.....	26.86	27.28	.....	.....	27.84	h28.05	.....
21	26.10	24.12	22.25	22.68	.....	26.68	27.61	27.92	.....	27.86	.....	.....
22	26.02	24.34	22.28	22.58	h23.00	26.27	27.16	28.16	.....	27.83	.....	.....
23	26.02	24.31	22.35	22.51	23.20	26.37	27.45	28.22	.....	27.68	.....	.....
24	26.10	24.08	22.33	22.50	23.58	26.61	27.16	.....	.....	27.61	.....	.....
25	26.74	24.06	22.25	22.78	23.99	26.96	27.51	.....	28.21	27.50	.....	.....
26	26.63	24.25	21.98	22.88	24.26	26.61	.....	.....	.....	27.57	.....	.....
27	26.63	24.13	21.64	22.96	24.40	26.86	.....	28.46	.....	27.66	h27.88	.....
28	26.26	23.81	22.06	23.05	24.56	26.82	.....	28.15	.....	27.79	.....	.....
29	26.04	.....	22.39	22.96	24.63	26.75	27.28	28.20	.....	27.70	.....	h27.50
30	26.08	.....	22.39	23.01	24.70	26.80	27.67	28.20	.....	27.79	.....	.....
31	26.06	.....	22.12	.....	24.91	.....	27.43	.....	.....	27.96	.....	.....

h Tape measurement.

79:9-107. Memphis Light, Gas and Water Division. About 75 feet east of Woodland Ave., about 125 feet southwest of Marjorie St. Recording gage installed, Oct. 27. Records available: 1948-50. Tape measurements from January through October.

Daily lowest water levels, November and December, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63.10	.....	.....	.....	.....	.....	70.36	77.41
2	70.70	77.43
3	62.14	.....	.....	68.46	.....	.....	.....	70.90	75.75
4	69.09	.....	70.90	76.98
5	66.43	.....	.....	.....	.....	69.89	78.00
6	60.66	59.75	.....	.....	.....	.....	.....	.....	.....	69.47	78.15
7	69.14	.....	.....	73.38	78.18
8	63.41	.....	.....	.....	.....	.....	74.66	77.06
9	64.71	.....	.....	.....	.....	.....	.....	.....	.....	67.35	75.50	73.05
10	62.02	.....	.....	67.40	.....	.....	.....	75.90	70.39
11	87.68	.....	75.92	68.90
12	66.86	.....	.....	.....	.....	74.69	.....
13	60.00	61.19	.....	.....	.....	.....	.....	.....	.....	74.43	71.40
14	69.20	.....	.....	77.94	71.69
15	63.69	.....	.....	.....	.....	.....	77.98	71.41
16	63.15	.....	.....	.....	.....	.....	.....	.....	.....	67.35	79.02	71.45
17	61.94	.....	.....	67.67	.....	.....	.....	76.97	70.51
18	67.81	.....	76.54	70.00
19	67.94	.....	.....	.....	.....	75.81	70.61
20	59.22	61.27	.....	.....	.....	.....	.....	.....	.....	75.14	71.05
21	69.53	.....	.....	76.94	71.05
22	64.75	.....	.....	.....	.....	.....	77.96	69.53
23	62.09	.....	.....	.....	.....	.....	.....	.....	.....	67.73	77.96	69.46
24	62.48	.....	.....	68.88	.....	.....	.....	76.33	67.55
25	68.25	.....	75.73	66.43
26	68.28	.....	.....	.....	.....	75.73	65.54
27	59.40	61.58	.....	.....	.....	.....	.....	.....	70.08	75.92	.....
28	69.36	.....	70.08	76.01	.....
29	65.60	.....	.....	.....	.....	.....	77.28	.....
30	67.75	77.05	.....
31	69.69	.....	.....

79:9-110. Memphis Light, Gas and Water Division. On Pine Hill golf course, about 175 feet west of Mississippi Blvd., about 500 feet south of Alice Ave. Records available: 1948-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	51.1	48.6	47.2	49.2	49.4	53.1	55.4	54.7	56.0	54.0	56.6	61.6
2	50.3	48.8	47.3	48.8	49.8	53.1	54.7	55.0	56.0	53.5	56.8	61.6
3	....	49.0	47.5	48.3	....	53.0	54.6	55.3	55.5	53.7	55.3	61.1
4	....	49.0	47.5	48.9	....	52.5	53.8	55.4	54.8	54.0	55.3	61.8
5	....	48.7	47.4	49.1	....	52.0	54.9	55.6	54.3	54.0	55.2	62.5
6	....	47.9	46.9	49.4	....	52.3	54.7	....	54.6	54.1	56.6	62.7
7	....	48.1	47.1	49.5	....	52.6	55.1	54.7	54.6	54.1	58.9	61.4
8	....	48.2	47.7	49.5	49.7	52.7	53.7	55.0	54.7	53.5	59.6	....
9	50.0	48.4	47.9	49.0	50.0	52.8	....	55.3	54.7	53.1	60.5	57.8
10	50.4	48.4	48.1	48.5	50.2	52.8	53.9	55.6	54.1	53.5	60.9	56.1
11	50.8	48.4	48.1	48.9	....	52.6	54.2	55.7	53.6	53.6	60.9	54.9
12	51.0	47.8	47.7	49.1	....	h52.14	54.5	55.8	54.0	53.8	60.5	54.8
13	51.1	47.0	47.4	49.4	....	52.4	55.7	55.6	54.4	54.0	60.0	55.2
14	51.1	47.4	47.8	49.4	....	....	56.6	54.8	54.5	54.0	61.2	55.3
15	50.6	47.6	48.1	49.4	h49.59	54.8	55.5	55.3	54.6	53.6	61.8	55.2
16	50.0	47.7	48.5	49.0	50.3	....	54.3	55.7	54.6	53.2	61.9	55.2
17	50.1	47.7	48.5	48.4	50.6	....	55.3	55.9	54.0	53.6	61.6	55.8
18	50.2	47.6	48.5	48.6	51.2	....	54.0	....	53.6	53.8	61.6	54.4
19	50.4	47.2	48.2	48.8	51.7	h53.04	55.2	....	54.0	54.1	61.3	54.8
20	50.4	46.4	47.8	49.0	51.6	53.7	54.6	....	54.2	54.3	60.6	55.2
21	50.3	46.6	48.3	49.4	51.4	54.7	54.8	h54.98	54.5	54.3	61.6	55.2
22	49.6	46.8	48.5	49.4	h48.30	54.5	54.9	....	54.7	53.7	62.4	54.8
23	48.9	47.0	48.6	49.1	....	54.4	54.7	....	54.7	53.5	62.5	54.8
24	48.9	47.2	48.7	48.6	....	54.4	54.2	....	54.3	53.9	....	53.8
25	49.3	47.2	48.7	49.1	....	54.0	54.3	....	54.1	54.2	61.2	52.9
26	49.6	47.0	48.4	49.4	....	53.7	54.6	....	54.3	54.3	61.2	52.3
27	49.6	46.5	47.8	49.8	....	55.8	55.0	....	54.5	54.4	61.0	52.5
28	49.6	46.8	48.4	50.0	....	55.6	55.2	55.0	54.6	54.4	59.2	52.6
29	49.0	....	48.6	50.0	h49.37	56.8	55.2	55.3	54.6	54.0	59.8	52.9
30	48.4	....	49.0	49.7	53.4	56.5	55.0	55.6	54.6	53.4	59.8	53.0
31	48.3	....	49.6	....	53.8	....	54.4	55.7	....	55.7	....	52.9

h Tape measurement.

79:9-115. Memphis Light, Gas and Water Division. About 75 feet south of Mallory Ave., about 250 feet west of Bellevue Blvd. Records available: 1949-50.

Daily lowest water level, July 13 - December 31, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	53.10	....	....	58.2	59.4	57.8	68.9	71.9
2	58.5	59.4	57.3	68.9	71.2
3	52.31	....	....	57.56	58.7	59.1	57.4	69.8	72.0
4	58.8	58.6	57.6	69.8	72.3
5	55.65	....	58.9	58.1	57.7	69.5	72.9
6	52.14	51.00	....	....	....	....	58.8	58.2	57.7	69.3	73.0
7	58.4	58.2	57.7	70.0	....
8	52.85	....	....	58.4	58.3	57.5	70.5	62.2
9	54.71	....	....	....	....	....	....	58.8	58.3	57.0	71.3	61.2
10	56.87	59.0	58.0	57.1	71.7	....
11	52.56	....	....	....	59.1	57.4	57.2	71.8	....
12	55.93	56.53	59.1	57.6	57.4	71.6	58.4
13	51.31	51.38	....	....	....	....	59.3	58.9	57.9	71.0	58.4
14	60.1	58.5	58.0	57.6	71.6	58.5
15	53.10	....	58.2	58.8	58.1	57.4	72.2	58.5
16	54.21	....	....	....	....	....	57.5	59.1	58.1	57.0	....	58.5
17	52.56	....	....	59.3	59.3	57.8	57.2	72.4	58.2
18	57.5	59.5	57.4	57.4	72.4	57.8
19	56.72	67.5	59.5	57.6	57.6	72.1	58.0
20	50.90	51.80	....	....	....	58.0	59.3	57.8	57.8	71.5	58.3
21	58.2	58.9	58.0	57.6	72.2	58.4
22	54.23	....	58.2	59.0	58.2	57.4	72.8	58.3
23	54.00	....	....	....	....	....	58.1	59.4	58.2	57.2	73.0	58.2
24	52.64	....	....	57.7	59.6	58.0	57.5	....	57.6
25	57.7	59.6	57.7	57.7	72.1	56.9
26	57.18	58.0	59.7	57.9	57.8	72.1	56.2
27	50.97	51.02	....	....	....	58.2	59.2	58.0	57.9	62.6	56.2
28	58.4	58.7	58.1	57.9	61.1	56.3
29	55.65	....	58.4	58.9	58.1	57.6	61.2	56.5
30	58.3	59.0	58.1	57.3	61.2	56.6
31	57.9	59.2	....	67.9	....	56.5

79:9-131. Memphis Light, Gas and Water Division. About 100 feet north of Rutgers Ave., about 100 feet west of Vassar St. Records available: 1949-50.

Daily lowest water level, September 13 - December 31, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	75.19	.....	.....	.....	.....	80.68	83.47	.....
2	81.44	83.72	87.48
3	74.41	.....	.....	79.42	.....	.....	82.07	83.94	86.87
4	80.96	82.47	83.92	89.13
5	77.86	.....	.....	.....	82.50	81.98	90.29
6	73.74	72.68	.....	.....	.....	.....	.....	.....	82.81	82.62	90.45
7	80.75	.....	82.80	84.84	90.51
8	75.50	.....	.....	.....	.....	80.28	85.82	88.58
9	77.50	.....	.....	.....	.....	.....	.....	.....	.....	81.22	86.74	86.21
10	74.44	.....	.....	78.61	.....	.....	81.99	87.24	82.91
11	79.66	82.15	87.20	81.22
12	78.94	80.80	.....	.....	82.19	84.92	82.86
13	72.94	73.70	.....	.....	.....	.....	.....	82.77	82.56	85.88	83.66
14	80.81	82.88	82.49	87.28	83.94
15	75.70	.....	.....	.....	82.99	80.26	.....	83.68
16	76.21	.....	.....	.....	.....	.....	.....	.....	82.86	81.25	88.02	83.60
17	74.40	.....	.....	79.51	.....	80.52	81.91	87.97	81.63
18	79.84	.....	81.58	82.19	87.75	82.42
19	79.41	80.05	.....	82.36	82.41	86.58	83.16
20	71.91	73.70	.....	.....	.....	80.18	.....	82.64	82.65	86.44	83.66
21	81.09	.....	82.51	88.79	83.59
22	76.89	.....	.....	.....	.....	80.16	89.95	83.74
23	76.01	.....	.....	.....	.....	.....	.....	.....	.....	81.19	89.95	83.29
24	74.73	.....	.....	80.23	.....	80.90	82.15	86.78	80.27
25	80.14	.....	81.89	82.62	86.92	79.19
26	79.64	80.21	.....	82.62	82.81	86.95	.....
27	72.09	74.24	.....	.....	.....	.....	.....	82.90	.....	88.06	.....
28	81.15	.....	.....	.....	.....
29	77.66	.....	.....	.....	.....	80.55	89.12	81.41
30	81.36	.....	.....	81.49	89.10	81.26
31	80.45	.....	.....	82.65	.....	80.25

79:9-135. Memphis Light, Gas and Water Division. About 75 feet south of Alcy Road, about 75 feet west of Benton St. Recording gage installed, July 17. Records available: 1949-50.

Daily lowest water level, July 17 - December 31, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35.11	.....	.....	41.71	43.23	40.83	42.58	47.34
2	40.97	43.24	40.84	42.62	47.38
3	34.39	.....	.....	39.39	42.39	42.07	41.37	42.81	45.50
4	42.54	40.75	41.75	43.06	47.00
5	37.73	.....	42.56	41.25	41.78	43.06	47.86
6	33.91	32.78	.....	.....	.....	.....	41.79	41.87	42.02	42.14	48.18
7	41.43	42.05	42.03	43.65	48.26
8	35.36	.....	.....	42.00	42.17	40.44	44.50	47.31
9	37.76	.....	.....	.....	.....	.....	.....	42.50	42.17	40.58	45.35	44.47
10	34.48	.....	.....	38.42	42.74	40.65	41.23	45.84	.....
11	42.87	40.77	41.42	45.84	41.26
12	38.63	.....	42.87	41.62	41.50	44.38	.....
13	32.79	33.47	.....	.....	.....	.....	41.99	41.98	41.74	44.57	.....
14	41.75	42.11	41.74	45.72	.....
15	35.50	.....	.....	42.36	42.19	40.05	46.40	.....
16	36.38	.....	.....	.....	.....	.....	.....	42.92	42.15	39.46	46.50	.....
17	34.50	.....	.....	.....	40.90	43.05	40.51	.....	.....
18	41.42	43.15	40.90	.....	41.65
19	39.09	.....	41.79	43.15	41.55	45.60	42.28
20	32.25	33.68	.....	.....	.....	.....	42.00	42.06	41.80	45.22	42.66
21	42.06	41.85	42.04	46.79	42.66
22	36.65	.....	.....	42.06	42.52	42.31	46.70	42.74
23	36.06	.....	.....	.....	.....	.....	.....	41.09	43.27	42.31	39.63	42.58
24	34.77	.....	.....	.....	40.51	43.72	40.86	41.46	40.40
25	41.01	43.70	41.24	41.87	39.40
26	39.30	.....	41.52	43.52	.....	42.06	39.94
27	32.36	34.01	.....	.....	.....	.....	41.38	42.07	.....	42.36	40.46
28	42.54	41.89	.....	42.36	40.61
29	37.37	.....	.....	41.43	42.50	.....	40.62	46.90
30	40.71	42.67	.....	40.92	40.92
31	40.94	42.95	.....	41.84	40.55

79:11-1. Forest Products Chemical Co. In engine room of plant, about 300 feet south of Chelsea Ave., about 1,200 feet east of Fairfax St. Records available: 1944-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	78.9	76.6	76.6	79.4	77.2	78.2	80.3	82.8	82.6	79.1	80.8	79.7
2	75.3	77.0	76.6	79.4	77.0	78.5	76.7	83.1	82.5	77.8	80.9	80.7
3	77.4	77.2	77.2	79.0	77.2	....	74.4	83.3	80.7	79.3	80.2	79.0
4	78.9	77.8	77.3	....	78.4	....	72.6	82.0	77.0	79.1	80.8	78.6
5	79.2	78.3	77.5	79.3	77.5	77.1	....	82.2	79.2	79.5	81.0	79.4
6	79.0	77.4	77.0	79.6	76.8	78.1	....	82.3	80.2	79.3	80.8	79.6
7	79.7	78.0	77.0	79.9	74.7	78.4	....	82.3	81.1	78.4	80.9	80.0
8	78.9	77.6	77.9	79.1	76.1	....	....	81.9	80.9	76.1	82.1	....
9	78.1	78.1	78.4	78.4	76.8	....	....	83.3	79.9	78.6	82.5	....
10	79.1	78.2	78.1	77.4	77.2	....	....	82.5	79.1	79.8	82.6	....
11	79.0	77.9	78.1	77.8	77.7	76.4	h75.15	83.2	79.6	81.0	81.4	....
12	79.1	78.1	78.4	77.2	77.4	78.2	73.1	82.5	79.5	81.5	81.0	h78.94
13	79.2	77.4	77.5	77.3	77.4	78.5	73.3	83.1	77.6	80.6	81.6	81.2
14	79.7	77.6	78.1	77.2	75.6	79.2	72.7	83.4	78.6	79.5	81.0	81.6
15	79.4	77.4	77.8	77.1	77.4	80.1	72.5	83.7	79.4	75.4	81.7	82.0
16	79.1	78.2	76.4	74.4	77.9	79.6	73.3	83.9	80.4	78.2	81.1	81.8
17	78.2	78.6	77.0	73.5	78.6	79.3	77.0	83.9	....	79.4	82.4	82.1
18	78.1	77.3	76.8	73.3	78.7	77.4	77.9	83.1	....	....	81.5	81.4
19	78.4	77.6	76.8	73.1	78.3	79.1	79.8	83.9	79.6	85.7	79.2	81.2
20	78.8	78.1	77.8	73.6	79.1	79.5	80.8	83.5	80.1	81.9	80.9	81.3
21	78.0	78.5	78.0	....	78.4	....	79.6	84.2	79.4	80.9	81.2	81.2
22	77.2	75.7	77.4	....	78.1	79.9	79.0	84.4	79.2	78.8	80.4	81.7
23	77.6	75.7	78.0	....	78.5	81.5	80.4	84.6	80.0	80.5	80.3	80.6
24	78.0	76.3	78.1	75.7	78.7	80.0	79.5	83.9	79.1	81.3	77.6	79.3
25	78.6	77.3	78.0	76.6	79.1	79.3	82.0	84.2	79.1	81.0	78.7	77.4
26	78.6	78.2	78.1	77.1	78.9	80.6	81.2	83.1	81.2	81.9	80.2	76.6
27	78.0	77.6	76.2	77.4	78.8	80.0	82.1	82.7	81.5	82.0	79.5	78.4
28	77.8	77.2	87.0	77.6	76.7	80.2	82.5	....	82.1	81.2	79.6	78.0
29	77.4	....	78.1	77.1	77.9	80.4	81.6	83.4	82.0	79.4	79.5	77.2
30	76.9	....	78.9	75.4	77.9	82.0	83.2	83.8	80.6	78.5	80.6	76.4
31	76.4	....	78.7	....	78.2	....	82.0	82.4	....	79.8	....	76.2

h Tape measurement.

79:12-1. Cudahy Packing Co. About 700 feet north of Chelsea Ave., about 500 feet west of Carpenter St. Drilled unused observation well. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 4	67.57	Aug. 29	73.21	Oct. 10	70.06	Nov. 21	72.00
25	71.66	Sept. 5	69.55	17	69.77	28	70.56
Aug. 1	73.44	12	70.14	24	81.20	Dec. 12	71.37
8	73.69	19	69.64	31	70.30	19	72.33
15	73.91	26	70.38	Nov. 7	71.78	26	69.11
22	74.52	Oct. 3	70.31	14	72.18		

79:16-1. Layne & Bowler, Inc. In well house on University St. about 250 feet south of Chelsea Ave. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 16	73.05	Aug. 8	75.30	Sept. 26	72.83	Nov. 14	73.00
20	72.55	15	76.10	Oct. 3	71.62	21	72.85
27	73.54	22	76.74	10	72.09	28	72.00
July 5	68.27	29	76.29	17	71.74	Dec. 5	72.35
11	67.36	Sept. 5	72.47	24	77.74	12	72.68
18	67.51	12	72.83	31	77.32	19	72.55
25	73.58	19	72.10	Nov. 7	79.69	26	67.90
Aug. 1	75.33						

79:19-1. Oliver Finnie Co. In basement of plant, about 50 feet south of Vance Ave., about 450 feet west of South Front St. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	101.93	Mar. 7	98.99	May 9	108.32	July 11	116.26
10	101.75	14	101.40	16	108.80	18	116.55
17	101.69	21	101.31	23	109.45	25	115.94
24	101.17	28	101.67	30	109.69	Aug. 1	116.83
31	100.26	Apr. 4	101.79	June 6	113.03	8	117.09
Feb. 7	97.39	11	101.84	13	114.63	15	118.28
14	97.51	18	100.63	20	116.43	22	116.44
21	95.63	25	105.16	27	116.03	29	117.37
28	96.11	May 2	106.10	July 5	116.96	Sept. 5	113.67

79:19-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 12	113.39	.Oct. 10	109.03	Nov. 7	113.75	Dec. 5	106.66
19	114.46	17	111.32	14	106.35	13	106.68
26	114.68	24	109.82	21	106.69	20	106.54
Oct. 3	113.86	31	113.48	28	106.58	27	105.39

79:20-4. Memphis Generating Co. Just east of Fourth St., about 500 feet north of Iowa Ave. Records available: 1940-50.

Jan. 10	100.32	Mar. 28	102.59	June 13	109.59	Aug. 22	114.46
17	101.06	Apr. 11	100.89	20	114.18	29	113.81
24	100.45	18	101.28	27	113.94	Sept. 5	109.27
Feb. 7	96.49	25	103.64	July 4	115.25	12	108.79
14	96.96	May 2	105.10	11	114.88	19	109.38
21	95.18	9	106.83	18	112.96	26	110.06
28	97.81	16	107.01	25	114.59	Oct. 3	109.19
Mar. 7	98.96	23	108.21	Aug. 1	114.52	10	106.90
14	99.85	30	108.15	8	112.86	Dec. 20	107.71
21	99.69	June 6	112.10	15	113.31		

79:21-1. Memphis Publishing Co. About 25 feet west of South Orleans St. and about 125 feet north of Beale Avenue. Records available: 1949-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	93.2	....	90.0	96.2	99.0	106.7	109.2	109.8	109.2	100.7	104.2	98.8
2	92.7	....	90.2	94.6	96.8	107.2	107.4	110.5	108.0	102.1	102.8	99.1
3	92.9	....	90.5	94.7	98.0	105.6	....	110.0	106.2	103.2	101.2	98.4
4	93.3	....	89.7	95.7	98.8	103.3	105.6	110.4	103.4	101.6	99.8	99.4
5	92.9	....	88.8	95.8	100.5	103.4	107.2	109.4	104.7	100.6	98.3	100.1
6	94.2	....	90.5	95.9	99.5	104.7	108.1	107.7	105.2	101.2	98.1	100.0
7	94.4	90.5	92.5	96.4	98.3	105.5	108.6	107.4	105.4	101.4	99.2	100.3
8	93.3	91.4	93.2	95.2	96.3	105.8	108.2	109.0	104.8	100.2	99.7	100.6
9	94.0	91.2	93.5	93.7	99.3	106.4	107.0	109.1	103.3	99.6	99.2	100.4
10	94.4	91.2	94.8	93.8	101.4	105.3	106.6	109.5	101.7	100.3	98.7	99.2
11	94.6	90.6	94.4	94.7	102.7	....	108.1	109.9	103.0	101.0	98.1	99.2
12	94.9	89.2	92.9	94.7	103.0	....	109.0	109.4	104.8	101.6	97.1	99.7
13	94.9	89.3	93.5	95.3	102.2	106.0	109.4	107.7	105.9	102.7	97.9	99.9
14	93.7	90.3	94.7	95.2	101.0	107.2	109.0	108.6	106.3	101.8	98.6	100.1
15	92.4	90.4	95.2	93.6	101.2	109.0	108.3	110.2	105.6	100.1	99.9	100.0
16	93.0	90.2	95.9	92.4	102.9	110.2	106.7	111.2	103.9	101.5	100.6	99.0
17	93.0	90.0	95.8	92.6	103.9	....	....	111.3	102.5	103.5	100.6	97.4
18	....	89.1	95.3	93.8	104.5	....	107.8	111.8	104.4	104.2	100.1	97.4
19	....	88.1	93.7	95.0	105.1	....	108.9	110.1	105.9	104.5	98.6	98.2
20	....	88.0	93.7	96.1	104.1	109.6	109.7	107.9	107.0	104.9	99.5	99.2
21	....	89.2	94.0	96.1	102.4	110.5	110.4	107.2	107.6	103.7	99.6	99.4
22	....	89.3	94.7	95.6	102.8	110.3	109.0	108.2	107.7	101.8	100.2	99.1
23	....	89.8	95.4	94.5	104.7	110.5	107.5	108.9	105.8	101.7	99.3	98.2
24	91.8	89.7	95.6	96.0	105.6	109.8	....	109.3	104.1	101.1	98.8	98.6
25	....	89.6	94.6	97.2	106.2	....	108.8	109.4	102.7	101.7	97.9	95.3
26	....	88.6	93.7	98.2	106.8	....	109.0	108.4	102.8	102.4	96.5	95.3
27	....	89.0	94.2	99.0	105.9	109.5	109.8	106.8	103.1	103.4	98.4	96.0
28	....	89.8	95.8	98.5	104.5	110.0	109.8	108.2	102.9	103.8	99.2	96.8
29	....	....	96.6	98.8	105.1	110.3	108.8	109.6	103.2	102.1	98.7	97.2
30	....	....	97.0	97.4	105.6	110.5	....	110.4	102.3	102.6	99.4	97.1
31	....	....	97.3	....	106.2	....	....	109.7	....	103.8	....	95.8

79:23-1. Memphis Park Commission. At south end of lake in Riverside Park. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	98.80	Mar. 21	93.72	June 20	101.04	Sept. 26	101.84
10	98.43	28	94.27	27	99.82	Oct. 3	102.71
17	97.90	Apr. 11	94.34	July 11	100.94	10	101.79
24	97.64	18	94.16	18	100.90	24	106.24
Feb. 21	89.83	May 2	95.77	Aug. 29	101.17	Nov. 7	116.99
28	95.74	23	99.47	Sept. 5	100.29	28	105.15
Mar. 7	92.19	30	100.33	19	101.66	Dec. 13	106.67
14	93.88	June 6	100.89				

79:26-2. Lee R. Holcomb. Formerly C. S. Chapman. On Raleigh-Millington Road, about 0.7 mile north of Raleigh. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	82.55	Apr. 24	79.29	July 17	81.40	Oct. 9	82.32
16	81.68	May 1	78.96	24	81.13	16	82.30
23	81.33	8	78.90	31	81.85	23	82.07
Feb. 6	80.64	15	79.08	Aug. 7	82.09	30	82.65
20	79.50	22	79.59	14	82.28	Nov. 6	82.72
27	79.23	29	79.86	21	82.41	14	82.40
Mar. 6	79.38	June 5	79.94	28	82.27	20	81.73
13	78.92	12	79.86	Sept. 4	82.35	27	82.24
20	79.41	19	79.90	11	82.34	Dec. 4	82.63
27	79.68	26	81.43	18	82.13	12	80.15
Apr. 3	79.20	July 3	81.76	25	82.30	18	79.44
10	79.33	10	81.43	Oct. 2	82.41	27	81.60
17	79.36						

79:28-2. Virginia Carolina Chemical Co. About 375 feet east of Collins St., about 700 feet north of Poplar Ave. Nearby well pumping at time of each measurement. Records available: 1944-50.

Jan. 11	42.61	Apr. 19	42.05	July 11	40.78	Oct. 3	41.17
18	42.13	26	41.89	18	40.86	10	41.25
25	41.29	May 3	42.36	25	41.15	17	41.35
Feb. 8	42.98	10	41.35	Aug. 1	41.29	24	41.41
15	43.32	17	41.41	8	41.19	31	41.38
23	42.97	23	41.07	15	41.31	Nov. 7	41.67
Mar. 1	42.70	30	41.24	22	41.32	14	41.69
8	42.97	June 6	40.82	29	41.24	21	41.75
15	42.27	13	40.52	Sept. 5	41.42	28	41.43
22	42.32	20	40.49	12	41.40	Dec. 12	40.89
29	42.64	27	40.39	19	41.29	17	40.74
Apr. 5	42.41	July 4	40.34	26	41.46	26	41.29
12	42.18						

79:32-2. Southern United Ice Co. About 150 feet south of Auction Ave. and about 325 feet west of North Seventh St. Records available: 1949-50.

Jan. 9	59.84	Apr. 17	58.26	July 17	71.82	Oct. 9	66.64
16	59.72	24	60.84	24	70.97	16	66.97
23	59.50	May 1	62.39	31	71.53	23	67.89
Feb. 6	56.58	8	62.56	Aug. 7	71.61	30	66.69
13	55.75	15	63.01	14	71.85	Nov. 6	66.36
20	55.25	22	64.15	21	71.99	13	64.64
27	51.17	29	66.21	28	73.54	20	64.16
Mar. 6	57.52	June 5	67.42	Sept. 4	70.93	27	65.48
13	61.26	12	69.16	11	67.46	Dec. 4	65.54
20	60.95	19	70.15	18	70.21	11	71.00
27	61.19	26	71.88	25	71.07	18	64.10
Apr. 3	61.78	July 3	71.12	Oct. 2	68.51	27	64.80
10	59.76	10	70.97				

79:33-2. Memphis State College. In pump house, about 600 feet south of Norriswood Ave., about 700 feet east of Patterson St. Records available: 1944-47, 1949-50.

Jan. 4	114.64	Apr. 19	114.04	July 18	118.75	Oct. 10	119.53
11	114.60	26	113.85	25	119.48	17	119.87
18	114.50	May 3	114.55	Aug. 1	119.90	24	120.98
25	121.66	10	114.77	8	120.27	31	119.85
Feb. 1	115.17	17	115.40	15	120.92	Nov. 7	119.37
15	114.56	23	119.61	22	121.67	14	118.70
Mar. 1	114.12	30	120.37	29	121.12	21	118.50
8	113.66	June 13	117.92	Sept. 5	120.21	28	117.63
15	112.65	20	119.16	12	119.90	Dec. 5	116.25
22	113.57	27	119.55	19	119.80	12	116.80
29	113.51	July 4	119.29	26	120.41	19	109.27
Apr. 5	113.84	11	118.16	Oct. 3	119.84	26	109.06
12	114.05						

79:34-1. H. Blockman & Co. About 250 feet south of Mallory Ave., about 600 feet east of South Third St. Records available: 1944-47, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	42.12	May 2	38.55	July 25	44.43	Oct. 10	45.05
24	39.00	9	38.68	Aug. 1	44.68	17	44.90
Feb. 7	35.42	16	38.73	8	44.86	24	45.16
14	34.56	23	39.15	15	45.11	31	45.15
21	34.01	30	39.26	22	45.61	Nov. 7	45.10
Mar. 7	34.64	June 6	42.07	29	45.79	14	46.07
14	35.97	13	42.28	Sept. 5	45.28	21	45.91
21	36.72	20	43.18	12	44.66	28	46.41
28	37.14	27	43.30	19	45.00	Dec. 13	45.03
Apr. 11	37.76	July 5	43.75	26	45.20	20	44.57
18	37.50	11	42.00	Oct. 3	44.35	27	43.34
25	38.23	18	44.11				

79:36-1. Oakville Memorial Sanatorium. In pump house, about 675 feet northwest of Getwell Rd., about 1,200 feet southwest of U. S. Highway 78. Records available: 1944-50.

Jan. 9	63.73	Apr. 10	62.84	July 10	64.84	Sept. 25	66.15
16	64.40	17	62.93	17	64.87	Oct. 16	65.20
23	64.20	24	62.96	24	64.95	23	65.22
30	64.41	May 1	63.05	31	65.22	30	65.87
Feb. 6	63.73	8	63.00	Aug. 7	65.44	Nov. 6	67.30
20	63.26	15	62.19	14	65.72	13	65.60
27	67.51	29	64.37	21	65.83	20	67.12
Mar. 6	62.53	June 5	64.35	28	65.76	27	65.87
13	63.90	12	64.24	Sept. 4	65.78	Dec. 4	67.69
20	62.55	19	64.96	11	63.36	11	67.81
27	62.22	26	65.08	18	66.07	20	65.74
Apr. 3	62.38	July 3	65.16				

79:36-2. Oakville Memorial Sanatorium. In pump house, about 750 feet northwest of Getwell Rd., about 900 feet southwest of U. S. Highway 78. Measurement discontinued. Records available: 1945-50.

Jan. 9	56.57	Mar. 13	55.92	Apr. 17	57.36	July 3	59.03
16	58.06	20	55.87	May 8	56.31	10	58.56
30	61.95	27	55.61	29	57.10	31	58.71
Feb. 20	56.76	Apr. 3	55.69	June 5	61.41	Sept. 4	59.00
Mar. 6	56.04	10	56.39	26	58.49	25	68.30

79:37-1. Whitehaven High School. In Whitehaven, about 250 feet west of U. S. Highway 51, about 0.35 mile south of Capleville-Whitehaven Rd. Records available: 1944-50.

Jan. 3	42.10	May 2	33.43	July 25	38.34	Oct. 10	41.00
24	40.27	9	33.60	Aug. 1	38.62	17	41.20
Feb. 7	39.15	16	33.77	8	39.07	24	41.59
14	37.79	23	34.26	15	39.42	31	41.44
21	36.48	30	34.48	22	39.75	Nov. 7	41.56
Mar. 7	35.05	June 6	35.06	29	40.00	14	41.63
14	34.14	13	35.35	Sept. 5	40.17	21	41.46
21	33.93	20	35.84	12	40.30	28	41.57
28	33.46	27	36.32	19	40.66	Dec. 13	41.17
Apr. 11	32.90	July 4	36.91	26	40.73	20	40.95
18	33.08	11	37.40	Oct. 3	40.90	27	40.92
25	33.22	18	37.89				

79:38-3. American Finishing Co. About 150 feet east of Lauderdale St., about 275 feet south of Bodley Ave. Records available: 1945-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	78.0	....	75.7	76.9	76.6	82.9	83.4	84.0	86.2	81.0	89.1	96.3
2	76.2	....	75.7	74.9	77.3	82.7	80.4	84.3	86.2	85.3	89.5	95.1
3	78.3	....	75.3	75.9	78.0	81.5	78.9	85.4	82.6	86.3	88.5	86.3
4	79.7	....	75.3	77.1	78.7	78.9	78.6	85.3	80.4	87.3	86.9	93.2
5	80.6	....	73.9	77.1	79.3	79.5	78.1	85.2	82.3	87.0	83.0	97.0
6	80.5	....	74.1	77.9	79.1	81.1	78.7	82.5	84.4	88.4	82.3	97.2
7	80.1	76.3	75.8	77.8	76.9	82.0	78.6	82.6	84.8	88.0	90.3	98.0
8	77.0	77.4	....	77.6	77.0	81.6	78.1	84.3	84.6	81.4	91.9	97.1
9	77.6	76.9	....	74.8	77.7	81.1	78.0	85.6	84.2	85.3	92.8	91.6
10	79.2	76.6	....	75.5	77.8	81.0	....	88.3	80.7	87.3	....	83.1

79:38-3--Continued.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	80.2	76.1	....	76.9	78.9	80.2	81.9	87.9	82.2	87.2	....	85.7
12	79.9	73.2	74.9	77.5	78.5	80.3	82.6	86.3	86.0	86.6	....	89.0
13	80.1	73.3	75.2	78.1	78.5	81.3	84.3	82.7	86.1	88.2	....	91.5
14	79.6	h73.51	75.3	77.9	76.6	81.9	84.5	84.4	84.9	87.3	h91.63	....
15	77.7	....	....	77.4	76.7	82.4	84.5	86.4	84.8	80.0	93.6	91.5
16	77.3	....	....	75.5	78.2	82.6	80.8	88.2	84.4	85.0	94.1	90.0
17	77.9	....	....	75.3	78.7	82.6	82.7	87.0	80.3	87.0	93.2	81.8
18	78.1	....	....	75.9	80.0	80.9	84.5	87.9	82.6	87.2	92.5	88.0
19	78.8	....	....	76.6	80.3	81.4	84.6	86.6	84.1	87.3	96.6	....
20	78.8	....	75.6	77.4	80.1	82.6	85.2	85.1	84.4	87.7	91.0	93.0
21	78.4	73.7	76.7	78.2	78.7	84.1	85.0	83.1	84.8	87.0	93.9	92.5
22	75.6	74.4	76.9	77.9	78.1	83.9	84.7	86.1	86.2	80.0	94.7	93.4
23	75.5	75.4	77.2	76.0	80.2	84.1	82.0	88.2	85.5	84.1	93.2	91.7
24	76.0	75.4	77.1	75.8	80.4	83.6	82.0	89.1	80.8	87.4	88.4	83.9
25	78.8	75.3	77.0	76.8	80.4	80.1	83.4	89.3	82.8	88.4	87.6	82.4
26	....	73.2	75.7	77.8	80.3	81.2	84.8	87.9	86.7	88.8	87.2	87.7
27	....	73.0	75.3	79.4	80.2	83.6	89.2	84.9	88.0	90.3	93.1	90.3
28	....	74.3	76.3	79.3	78.9	83.7	90.3	85.6	88.6	89.2	94.4	90.2
29	....	....	76.6	78.9	79.8	84.5	88.6	85.7	88.8	82.2	95.8	90.7
30	....	....	76.7	76.7	80.9	84.3	83.2	85.1	88.3	87.0	96.0	91.1
31	75.5	....	76.9	....	82.4	....	82.0	85.8	....	88.6	....	86.0

h Tape measurement.

79:38-4. American Finishing Co. In center of east reservoir, about 275 feet east of McMillan St., about 350 feet south of Bodley Ave. Records available: 1944-48, 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 12	72.88	Oct. 10	69.11	Nov. 14	74.02	Dec. 13	71.35
19	69.46	24	68.91	21	72.66	20	71.40
26	69.79	31	69.08	28	73.70	27	78.81
Oct. 3	72.19	Nov. 7	71.25				

79:49-1. Jack Callie. Oakville. About 20 feet northwest of Getwell Road, about 400 feet northeast of U. S. Highway 78. Measurement discontinued after April 17, 1950. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	35.63	Feb. 20	34.90	Mar. 13	34.37	Apr. 3	33.41
16	36.34	27	34.79	20	33.93	10	33.41
23	35.69	Mar. 6	34.29	27	33.43	17	33.40
Feb. 6	35.40						

79:54-1. Jasper Transfer Co. Formerly Banner Laundry-Cleaner. About 75 feet south of Beale Ave., about 140 feet east of Hernando St. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	72.07	Mar. 21	72.35	July 11	89.22	Oct. 24	82.45
10	72.22	28	73.50	18	89.17	31	85.10
17	72.07	Apr. 4	73.59	25	89.72	Nov. 7	85.90
24	71.36	11	73.85	Aug. 1	90.30	14	77.30
31	72.21	18	72.18	22	88.33	21	78.97
Feb. 7	69.26	25	77.04	29	91.57	28	98.38
14	68.51	May 2	77.39	Sept. 5	85.43	Dec. 5	82.76
21	67.62	June 16	87.96	12	85.77	13	78.69
28	67.89	20	88.69	19	87.02	20	78.47
Mar. 7	70.47	27	88.25	26	87.17	27	75.64
14	73.18	July 4	85.00	Oct. 3	86.38		

79:55-1. Baptist Memorial Hospital. About 100 feet north of Monroe Ave., and about 200 feet west of East St. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	89.81	Apr. 25	87.96	July 25	96.86	Oct. 10	94.74
24	89.29	May 9	88.04	Aug. 1	97.21	17	94.56
Feb. 8	86.43	16	88.36	8	97.46	24	94.97
14	86.02	23	88.55	15	98.07	31	95.05
21	85.35	30	88.63	22	98.27	Nov. 7	94.67
28	87.69	June 6	92.34	29	98.18	14	93.18
Mar. 7	85.64	13	92.85	Sept. 5	98.68	21	92.89
14	86.18	20	93.94	12	96.83	28	93.38
21	86.10	27	95.03	19	97.04	Dec. 12	93.53
28	87.04	July 4	95.76	26	97.65	19	93.41
Apr. 11	87.64	11	96.10	Oct. 3	96.84	26	91.14
18	87.77	18	96.49				

79:61-1. Firestone Tire and Rubber Co. Formerly Chickasaw Cooperage Co. About 50 feet north of Pershing Ave., about 300 feet west of Scott St. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	86.05	Mar. 15	84.98	Aug. 29	92.08	Oct. 31	79.37
11	86.20	22	84.76	Sept. 5	89.08	Nov. 7	80.76
18	87.39	29	84.98	12	88.06	14	90.87
25	86.89	June 16	86.56	19	86.64	21	90.27
Feb. 1	84.83	20	86.58	26	88.69	28	89.31
15	85.31	Aug. 1	90.27	Oct. 3	87.65	Dec. 5	87.56
23	84.38	8	90.48	10	89.95	12	89.94
Mar. 1	84.40	15	91.99	17	89.14	19	103.27
8	84.51	22	92.55	24	90.89	26	80.97

79:65-1. Clover Farm Dairy. About 85 feet east of Manassas St., about 125 feet north of Beale Ave. Records available: 1945-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	114.8	.....	.....	.....	.....	127.3	129.9	130.2	.....	120.7	124.3	120.9
2	114.7	.....	.....	.....	115.9	126.7	126.7	131.1	.....	.....	123.6	120.3
3	.....	.....	.....	.....	118.4	126.0	127.9	130.5	.....	123.5	122.2	119.4
4	115.2	.....	.....	.....	119.5	123.0	126.4	131.0	.....	122.6	120.7	120.9
5	114.8	.....	.....	.....	119.9	.....	127.7	.....	125.1	121.7	.....	121.5
6	116.5	.....	.....	.....	119.8	125.2	128.5	.....	125.8	122.0	.....	.....
7	116.6	.....	h113.59	.....	119.6	126.0	129.0	127.8	126.1	121.6	120.3	.....
8	115.1	113.6	.....	.....	119.4	126.2	128.3	129.6	125.4	120.4	120.8	.....
9	116.3	113.4	.....	.....	119.6	126.8	126.0	129.7	123.8	.....	120.6	.....
10	116.7	111.6	.....	.....	121.9	125.7	127.0	130.1	119.6	121.1	.....	121.7
11	117.0	112.5	.....	116.6	123.1	122.6	128.5	130.6	123.4	121.5	.....	120.9
12	117.3	108.5	.....	116.5	123.6	125.1	129.6	.....	125.0	122.2	.....	121.4
13	117.2	111.4	.....	117.2	122.5	126.6	129.8	.....	126.2	123.1	.....	121.6
14	114.1	112.4	h115.97	117.1	120.2	127.9	129.3	129.2	126.5	122.2	120.2	121.8
15	113.3	112.5	.....	115.4	.....	129.7	128.4	130.9	126.0	120.0	121.4	121.4
16	115.2	112.4	.....	113.6	123.5	130.9	126.0	131.9	124.1	121.7	122.1	120.4
17	115.3	110.2	.....	114.3	124.6	130.6	126.6	132.0	122.1	124.0	122.1	118.1
18	115.8	109.4	.....	115.6	124.9	.....	128.1	132.5	124.6	124.6	121.5	119.2
19	.....	107.6	.....	116.9	125.6	128.7	129.3	130.7	126.1	124.9	119.4	119.8
20	.....	108.3	.....	117.9	124.4	130.1	130.1	.....	127.3	125.2	.....	120.6
21	112.4	111.4	.....	117.9	123.6	131.0	131.0	127.8	127.6	124.1	121.2	120.8
22	112.4	.....	.....	117.2	123.2	130.8	.....	128.9	128.0	121.1	121.7	120.5
23	113.4	.....	.....	115.8	125.2	130.9	.....	129.6	125.8	.....	120.7	119.4
24	114.0	.....	.....	117.2	125.9	130.0	.....	129.9	.....	122.1	120.6	.....
25	.....	.....	.....	118.7	126.4	127.7	129.2	129.9	.....	122.5	119.2	.....
26	.....	.....	.....	116.0	127.2	128.8	129.4	128.6	123.6	122.9	.....	.....
27	.....	.....	.....	119.1	126.3	130.1	130.2	126.6	123.6	123.8	h116.24	.....
28	.....	h111.30	117.6	120.6	123.9	130.7	130.2	128.4	123.2	124.1	120.7	.....
29	.....	.....	118.4	119.8	125.5	131.0	129.2	129.8	123.6	121.9	120.1	.....
30	.....	.....	118.8	118.1	126.0	131.2	127.1	130.7	122.5	122.9	.....	.....
31	.....	.....	119.0	.....	126.6	.....	128.2	.....	.....	124.0	.....	.....

h Tape measurement.

79:87-2. Illinois Central System. About 200 feet west of Barton St., about 400 feet south of Gilbert Ave. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	80.91	Apr. 18	77.65	July 11	92.31	Oct. 3	99.35
17	84.52	25	80.66	18	100.81	10	96.03
24	85.41	May 2	80.49	25	100.54	17	95.33
Feb. 7	74.06	9	81.57	Aug. 1	95.35	24	97.56
14	73.39	16	81.97	8	96.70	31	98.16
21	72.90	23	82.84	15	97.60	Nov. 7	96.31
28	78.05	30	83.37	22	98.07	14	91.45
Mar. 7	77.36	June 6	86.04	29	100.53	21	91.57
14	77.61	13	93.25	Sept. 5	96.80	28	90.99
21	78.60	20	95.86	12	99.12	Dec. 13	92.20
28	80.43	27	97.59	19	101.09	20	90.80
Apr. 11	76.86	July 4	92.15	26	101.46		

79:105-1. Memphis Light, Gas and Water Division. In engine room, about 125 feet east of Kansas St., about 250 feet south of McLemore Ave. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	108.80	Apr. 4	107.07	July 4	115.51	Oct. 3	116.10
10	108.83	11	106.43	11	116.69	10	115.70
17	108.97	18	106.69	18	117.28	17	115.14
24	107.96	25	108.69	25	117.42	24	115.72
31	106.83	May 2	109.02	Aug. 1	118.04	31	115.84
Feb. 7	103.46	9	110.99	8	117.69	Nov. 7	115.27
14	102.88	16	111.06	15	118.24	14	115.13
21	103.76	23	113.16	22	118.03	21	115.56
28	104.11	30	113.95	29	118.98	28	113.32
Mar. 7	105.54	June 6	114.00	Sept. 5	116.31	Dec. 5	113.06
14	107.80	13	113.17	12	115.91	13	112.64
21	106.09	20	116.05	19	116.28	20	112.82
28	108.14	27	116.51	26	116.75	27	113.31

79:122-1. Reed Bros. Dairy. About 125 feet north of Beechwood Ave., about 150 feet west of Bellevue Boulevard. Records available: 1946-50.

Jan. 3	121.93	Apr. 4	123.48	July 3	131.00	Oct. 2	125.60
10	121.68	11	122.17	10	128.64	9	126.45
17	121.50	18	122.81	17	127.82	16	126.25
24	120.61	25	123.94	24	128.88	23	126.26
31	121.49	May 2	124.11	31	129.55	30	126.58
Feb. 7	120.52	9	123.54	Aug. 7	129.80	Nov. 6	126.59
14	120.59	16	124.15	14	129.78	13	126.66
21	119.64	23	128.11	21	129.74	20	125.93
28	121.93	30	127.78	28	129.13	27	127.19
Mar. 7	119.89	June 6	126.69	Sept. 4	128.51	Dec. 4	127.67
14	121.76	13	127.96	11	127.11	12	127.45
21	122.00	19	127.17	18	126.77	19	126.53
28	122.69	26	129.41	25	127.00	26	124.09

79:142-1. Welsh Lumber Co. About 500 feet west of Florida St., about 1,000 feet south of Bodley Ave. Records available: 1946-50.

Jan. 3	28.99	May 2	25.90	July 25	31.22	Oct. 10	32.25
24	28.43	9	26.30	Aug. 1	31.92	17	32.10
Feb. 7	22.08	16	26.56	8	31.95	24	32.39
14	21.32	23	26.90	15	32.35	31	32.11
21	20.67	30	27.80	22	32.43	Nov. 7	31.74
Mar. 7	22.16	June 6	28.99	29	32.63	14	33.19
14	23.94	13	29.38	Sept. 5	31.61	21	32.97
21	24.00	20	29.82	12	31.83	28	33.25
28	24.39	27	30.53	19	32.16	Dec. 13	32.57
Apr. 11	24.87	July 4	30.87	26	32.31	20	31.74
18	24.61	11	31.32	Oct. 3	31.76	27	30.81
25	25.46	18	31.68				

79:148-1D. Hamilton Co., Inc. At Sloanville, on property formerly known as Chickasaw Ordnance Works, about 75 feet south of Shelby Rd. Records available: 194 -50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.8	41.3	41.9	43.2	....	43.5	43.9	44.3	45.1	45.1	45.3	44.6
2	42.7	41.4	42.0	43.1	....	43.5	43.9	44.4	45.1	45.1	45.2	45.5
3	42.5	41.5	41.9	43.0	....	43.4	43.9	44.4	45.2	45.1	45.2	44.6
4	42.6	41.4	42.0	43.3	....	43.5	43.9	44.5	45.2	45.1	45.2	44.6
5	42.6	41.4	42.0	43.3	....	43.5	44.0	44.5	45.2	45.1	45.3	44.6
6	42.7	41.3	42.0	43.4	....	43.5	44.1	44.6	45.2	45.1	45.3	44.6
7	42.8	41.4	42.0	43.3	....	43.5	44.2	44.6	45.2	45.1	45.3	44.7
8	42.8	41.4	42.5	....	....	43.6	44.2	44.6	45.0	45.1	45.2	44.7
9	42.5	41.5	42.6	....	....	43.6	44.3	44.7	45.0	45.2	45.3	44.7
10	42.4	41.6	42.6	....	....	43.5	44.3	44.7	44.9	45.2	45.3	44.6
11	42.5	41.6	42.6	....	....	43.6	44.4	44.8	45.0	45.2	45.4	44.6
12	42.3	41.5	42.7	....	....	43.6	44.4	44.9	45.0	45.3	45.3	44.4
13	42.1	41.3	43.0	....	....	43.5	44.4	45.0	45.0	45.3	45.2	44.5
14	42.2	41.6	43.0	....	....	43.6	44.4	45.0	45.0	45.3	45.2	44.4
15	42.0	41.7	43.0	....	....	43.6	44.4	45.0	45.0	45.3	45.1	44.4
16	42.1	41.7	43.1	....	....	43.6	44.5	45.1	45.0	45.3	45.1	44.5
17	42.0	41.6	43.1	....	....	43.6	44.4	45.1	45.1	45.4	45.1	44.5

79:148-1D--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
18	41.7	41.6	43.0	....	....	43.6	44.4	45.1	45.1	45.3	45.0	44.5
19	41.7	41.7	43.1	....	....	43.6	44.3	45.1	45.2	45.2	44.8	44.5
20	41.7	41.6	43.1	....	....	43.6	44.3	45.2	45.1	45.2	44.1	44.5
21	41.6	41.4	43.1	....	....	43.7	44.4	45.2	45.1	45.2	45.0	44.6
22	41.4	41.4	43.1	....	....	43.7	44.3	45.2	45.2	45.1	44.9	44.6
23	41.2	41.4	43.1	....	....	43.7	44.3	45.2	45.1	45.2	45.1	44.7
24	41.1	41.5	43.0	....	....	43.8	44.4	45.2	45.2	45.2	45.1	44.7
25	41.2	41.6	43.0	....	....	43.8	44.4	45.1	45.3	45.3	45.1	44.8
26	41.4	41.7	42.9	....	....	43.8	44.3	45.2	45.3	45.2	44.9	44.8
27	41.4	41.7	42.8	....	....	43.8	44.2	45.2	45.2	45.2	44.8	44.4
28	41.3	41.6	43.0	....	....	43.8	44.2	45.2	45.2	45.3	44.8	44.5
29	41.3		43.3	....	....	43.8	44.2	45.1	45.2	45.3	44.9	44.5
30	41.3		43.4	....	....	43.9	44.2	45.1	45.1	45.3	44.7	44.6
31	41.3		43.3		h43.37		44.3	45.0		45.3		44.7

h Tape measurement.

79:149-1. Hugh O. Cobb. About 125 feet west of Brunswick Road, about 1.3 miles north of Brunswick. Records available: 1944-47, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	+4.77	Apr. 26	+6.18	July 19	+5.53	Sept. 27	+3.69
Feb. 16	+5.63	May 11	+5.39	Aug. 2	+5.46	Oct. 11	+5.19
Mar. 16	+6.24	June 7	+6.07	16	+5.26	25	+5.10
29	+6.19	21	+5.81	30	+5.30	Nov. 8	+5.04
Apr. 13	+6.10	July 5	+5.68	Sept. 13	+5.38	Dec. 21	+5.39

79:167-1. City of Collierville. In engine room of waterworks, about 75 feet east of Main St., about 750 feet south of State Highway 57. Records available: 1944-50.

Jan. 18	99.03	Apr. 12	98.85	July 19	98.71	Sept. 27	98.79
Feb. 1	99.34	26	98.67	Aug. 2	98.70	Oct. 11	98.65
15	99.07	May 10	98.27	16	98.62	25	98.84
Mar. 1	98.54	June 7	98.65	30	98.94	Nov. 8	99.17
15	97.49	21	98.64	Sept. 13	98.78	Dec. 21	97.42
29	99.04	July 5	98.13				

79:174-1. J. O. Goshorn Co. About 250 feet south of Bodley Ave., about 500 feet east of South Third St. Records available: 1946-50.

Jan. 3	21.25	May 2	19.78	July 25	22.29	Oct. 10	22.90
24	21.95	9	19.01	Aug. 1	22.60	17	23.23
Feb. 7	19.62	16	19.19	8	22.87	24	22.49
14	18.96	23	20.03	15	23.11	31	22.86
21	19.29	30	20.15	22	23.38	Nov. 7	22.57
Mar. 7	19.34	June 6	20.24	29	22.91	14	22.13
14	19.18	13	20.68	Sept. 5	22.40	21	22.03
21	18.68	20	21.25	12	22.46	28	21.88
28	18.93	27	21.42	19	22.58	Dec. 13	21.39
Apr. 11	19.76	July 4	21.76	26	22.78	20	21.45
18	17.66	11	22.16	Oct. 3	22.23	27	22.01
25	19.50	18	22.27				

79:175-1. C. W. Bond. In Arlington, about 150 feet west of Chester St., about 0.45 mile south of railroad depot. Records available: 1945-50.

Jan. 19	61.00	Apr. 26	59.88	July 19	60.30	Sept. 27	60.26
Feb. 16	58.77	May 11	60.77	Aug. 2	60.35	Oct. 11	60.47
Mar. 2	59.74	June 7	59.70	16	60.46	25	60.51
16	58.97	21	60.15	30	59.69	Nov. 8	62.90
29	59.19	July 5	60.19	Sept. 13	60.18	Dec. 21	60.16
Apr. 13	59.92						

79:176-1. Gulf Refining Co. About 750 feet south of Mallory Ave., about 925 feet west of Fisher St. Records available: 1947-50.

Jan. 3	43.47	Feb. 14	35.42	Mar. 28	38.50	May 9	40.24
10	42.80	21	33.98	Apr. 4	39.10	16	40.34
17	42.63	28	34.81	11	38.65	23	40.82
24	42.50	Mar. 7	36.55	18	38.49	30	41.22
31	41.75	14	38.19	25	38.94	June 6	43.06
Feb. 7	35.99	21	43.04	May 2	39.07	13	43.95

79:176-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 20	44.75	July 12	45.30	Aug. 8	45.68	Aug. 29	46.43
27	45.58	18	46.18	15	46.35	Sept. 4	45.00
July 5	45.89	25	44.32	22	46.13		

79:193-1. National Cylinder Gas Co. About 60 feet east of Tully St., about 90 feet north of Sexton Ave. Records available: 1949-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	75.6	75.6	....	82.6	h77.55	....	88.4	90.9	94.0	81.6	87.3	83.0
2	73.2	78.0	....	79.9	....	....	85.9	91.0	92.5	84.2	87.7	83.4
3	76.0	78.0	77.5	h77.69	....	....	87.5	90.6	87.8	87.1	87.3	80.9
4	77.6	76.2	76.3	....	....	....	87.3	90.1	84.1	87.8	85.0	81.8
5	....	75.6	73.4	....	....	h81.07	85.9	89.7	85.7	88.7	80.3	83.4
6	78.3	74.6	75.4	....	....	84.7	87.4	87.0	88.0	....	83.2	84.3
7	....	75.9	77.6	....	....	85.3	87.8	84.7	88.1	....	84.6	84.7
8	77.2	77.1	78.5	....	h77.87	85.8	88.9	85.4	86.8	....	85.3	85.0
9	78.0	76.0	80.2	77.0	....	86.2	86.0	85.3	86.7	86.1	83.5	84.8
10	77.6	76.0	79.6	76.8	....	85.1	87.6	85.9	84.7	88.1	83.2	81.8
11	78.1	76.0	80.1	....	....	82.1	89.1	86.0	85.7	88.2	84.2	83.0
12	78.9	70.5	78.0	78.3	....	85.5	89.7	86.0	88.1	89.2	82.0	84.0
13	80.3	72.2	h77.62	79.6	....	86.9	90.3	88.0	89.2	89.9	82.5	84.2
14	80.6	73.6	....	78.4	....	88.1	90.1	88.8	89.9	88.8	83.4	85.4
15	78.2	73.6	....	76.6	81.4	89.0	90.3	90.6	88.8	82.4	84.9	84.5
16	76.6	74.9	....	71.9	82.1	88.5	89.2	91.7	88.9	85.8	84.2	84.3
17	77.8	73.9	....	74.4	84.4	86.9	87.4	92.0	86.8	87.0	84.2	80.4
18	79.3	74.6	....	....	83.6	86.0	88.6	92.3	88.9	87.9	83.2	83.2
19	78.3	72.6	....	77.1	85.3	87.4	89.3	91.4	89.9	88.5	82.6	85.4
20	79.0	72.9	78.4	....	83.8	89.2	89.9	89.3	90.5	89.2	81.8	85.1
21	78.1	74.8	79.8	78.0	....	90.0	91.0	89.6	91.3	89.3	82.5	84.5
22	73.4	74.1	79.1	78.5	83.2	90.4	90.9	90.5	92.0	86.2	84.2	83.8
23	74.9	74.7	79.2	75.9	85.0	90.6	89.8	91.1	91.7	86.0	83.4	82.8
24	76.0	74.2	80.4	77.4	86.0	90.2	88.7	92.7	89.9	87.0	81.8	78.3
25	76.0	74.7	80.6	....	87.3	88.8	90.0	92.0	88.5	87.1	82.6	73.6
26	77.0	70.7	76.7	....	87.6	88.0	90.0	93.1	87.7	87.3	81.9	76.9
27	76.7	....	79.2	....	....	89.2	90.7	92.5	86.0	87.2	83.2	....
28	77.8	....	81.1	....	....	89.1	91.3	92.6	85.0	88.1	83.3	....
29	75.4	....	81.7	....	84.6	89.7	91.4	93.2	84.3	86.4	82.4	....
30	74.0	....	82.0	78.8	87.0	88.5	90.5	93.7	83.4	86.2	83.4	....
31	75.0	....	83.3	....	....	....	89.6	93.8	....	86.8	....	77.9

h Tape measurement.

Williamson County

94:1-1. Tennessee Division of Geology and U. S. Geol. Survey. About 2.5 miles west of Franklin, on west side of Horton Lane, on property owned by Tennessee Valley Authority. Drilled observation well, diameter 6 inches, depth 1,160 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	114.81	May 1	90.24	Aug. 1	87.29	Nov. 1	86.31
Mar. 1	87.29	June 1	88.98	Sept. 1	86.68	Dec. 1	85.96
31	92.68	July 5	87.89	Oct. 2	86.65	31	86.82

j Measurements started at end of 72-hour pumping test.

VIRGINIA

By Allen Sinnott and Rodney Hart

Scope of Water-Level Program

The two programs of water-level measurement, begun in June 1928 in cooperation with the State Geological Survey, were continued in 1950. In eastern Virginia, 320 water-level measurements were made in nine wells, two of which are equipped with recording gages, and in northern Virginia, 66 individual month-end tape measurements were made in six observation wells.

Interpretation of Water-Level Fluctuations

Northern Virginia. -- Observation wells in this part of Virginia are shallow wells and are underlain by crystalline rocks. Their water levels are greatly affected by precipitation. The precipitation at Washington, D. C., in 1950 as shown by 50 years of record of the U. S. Weather Bureau and which is representative of the precipitation in the northern part of Virginia, is given in the following table. It will be noted that the precipitation was 4.23 inches above normal in 1950 as compared with 2.04 inches below-normal precipitation in 1949. This increase in precipitation is reflected in a substantial net rise in water levels in all of the wells in the northern Virginia area.

Month	Recorded precipitation	Normal precipitation	Departure from normal	Accumulated departure from normal
January	1.74	3.55	-1.81	-1.81
February	2.68	3.27	-.59	-2.40
March	4.05	3.75	+.30	-2.10
April	1.87	3.27	-1.40	-3.50
May	5.96	3.70	+2.26	-1.24
June	3.44	4.13	-.69	-1.93
July	4.20	4.71	-.51	-2.44
August	5.30	4.01	+1.29	-1.15
September	7.27	3.24	+4.03	+2.88
October	3.33	2.84	+.49	+3.37
November	2.86	2.37	+.49	+3.86
December	3.69	3.32	+.37	+4.23
Year	46.39	42.16	+4.23	+4.23

The following table shows the water level in feet below land-surface datum for each well at the beginning and end of 1950, the net change for the year, the highest and lowest levels recorded during the year, and the range in level.

Water levels in six observation wells in northern Virginia

Well	Dec. 30, 1949	Jan. 2, 1951	Net Change	Highest	Lowest	Range in level
Ross	23.97	20.90	+3.07	21.38	24.23	2.85
Halls Hill	25.72	22.39	+3.33	22.95	26.32	3.37
Jefferson	25.40	21.50	+3.90	22.14	25.01	2.87
Bell	3.85	1.59	+2.26	.22	4.48	4.26
Swart	1.39	1.04	+.35	.98	1.49	.51
Bacon	17.63	13.66	+3.97	14.66	17.70	3.04

As indicated by this summary, the greatest rise in water level occurred in the Bacon well (Fairfax County well 1) where the water level was 3.97 feet higher at the end of the year than at the beginning. The greatest range in fluctuation of water level occurred in the Bell well (Fairfax County well 2) where the difference between the highest and lowest stages recorded during the year was 4.26 feet. The average net rise for the four deepest wells, the Bacon, Halls Hill, Jefferson, and Ross wells, was 3.57 feet which indicates a noticeable increase in ground-water storage since December 1949. The highest water levels recorded during 1950 occurred during April, May, and June in all of the wells with the exception of the Ross well and the Halls Hill

well where the highest water levels for the year were recorded in September and October, respectively. With the exception of the Bell and Swart wells, the lowest water levels for the year 1950 were recorded at the end of January. The lowest stages in the Bell and Swart wells were recorded on the first of September.

Eastern Virginia. -- The water level in the observation well at Chincoteague Naval Aviation Ordnance test station (formerly Naval Auxiliary Air Station), in Accomack County, has shown a gradual decline during 1950 of about 1.5 feet. This decline is attributed to increased withdrawals of ground water to furnish the needs of increased personnel at the station. Measurements were furnished by the U. S. Department of the Navy.

There was little change in water level in well 36 in Chesterfield County, the total fluctuation being less than 2 feet. At the end of the year the water level was less than half a foot below the 1949 year-end water level. The rainfall at Richmond was 5.62 inches below normal during 1950, compared with 4.87 inches above normal during 1949. Subnormal rainfall was fairly evenly distributed throughout the year.

Measurements in well 161 in Isle of Wight County were made by the Camp Manufacturing Company. The water level was about 7 feet higher in January owing to temporary shutdown of the large yield wells for maintenance. During the latter part of the year the level dropped to the lowest on record, 27.61 feet below land-surface datum, in response to increased withdrawals caused by another industrial well recently constructed at the plant.

The water level in well 13 in Prince George County, at the Old Dominion Water Corporation in Hopewell, showed substantially the same pattern of fluctuation as in 1949. Artificial recharge (in order to store cold water underground for reuse during the summer), was probably carried on from January to March at the nearby Solvay Process plant. Summer pumping at the Solvay plant probably began about mid-May, bringing the water levels down to nearly 50 feet below the surface until about mid-November, when the pumping stopped and the water level recovered to about 37 feet below the surface at the end of December.

The water level in well 29 at Sebrell in Southampton County, showed little change during the entire year. Five measurements made in well 89 at Courtland indicate a gradual decline during the year, with a record low of nearly 11 feet below land surface at the end of the year, indicating a decline in response to increased industrial pumping at Franklin. Measurements furnished by the town of Franklin for well 205 showed moderately high levels early in the year because of the shut-down of the industrial wells. The levels returned approximately to normal until early June, when they began to decline in response to the new industrial well at the paper mill. A new low record of 39 feet below land surface was reached during mid-December.

The total fluctuation in well 90 at Wakefield in Sussex County was about 1½ feet. During 1950, the water level at the end of the year was slightly higher than the previous year, indicating that the effect of the new large-yield industrial well at Franklin, about 20 miles to the south-southeast, had not yet been felt at this well.

The Department of the Army furnished the measurements for well 15 (Milstead well 1, at Fort Eustis) in Warwick County, on the lower York-James peninsula. The artesian head was above land surface throughout the year, averaging about 4 feet above the surface in the first half, and declining about 1½ feet toward the end of the year.

Well-Numbering System

Wells are assigned serial numbers within each county.

Well Descriptions and Water-Level Measurements
(Water levels are in feet below land-surface datum unless otherwise indicated.)

Accomack County

8. U. S. Naval Auxiliary Air Station well B-8. Near Chincoteague. Drilled unused water-table well in sands of the Columbia group, diameter 8 inches, depth 60 feet. Land-surface datum is 34.10 feet about msl. Highest water level 24.44 below lsd, Sept. 7, 1949; lowest 28.18 below lsd, Dec. 11, 1950. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	26.57	Feb. 20	26.05	Apr. 3	27.13	May 22	27.33
16	26.65	27	26.57	10	27.93	29	27.14
23	26.70	Mar. 6	27.08	17	27.19	June 5	27.04
30	26.75	13	27.04	24	27.08	12	27.48
Feb. 6	26.25	20	27.13	May 1	27.91	19	27.20
13	26.65	27	27.13	15	27.17		

8--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 26	27.53	Aug. 14	27.86	Sept. 25	27.75	Nov. 6	28.00
July 3	27.44	21	27.49	Oct. 2	27.91	13	27.96
10	27.13	28	27.71	9	27.85	20	28.08
17	27.96	Sept. 5	27.71	16	27.98	27	27.88
24	27.48	11	27.86	23	27.87	Dec. 4	28.03
31	27.96	18	27.97	30	27.77	11	28.18
Aug. 7	27.59						

Arlington County

1. Halls Hill well. On Lee Highway, at Langston School. Records available: 1932-50.

Jan. 31	26.32	May 2	24.70	Aug. 1	23.00	Oct. 31	22.95
Feb. 28	25.32	June 1	24.01	Sept. 1	23.64	Nov. 30	23.15
Apr. 3	24.45	29	23.22	29	23.01		

2. Ross well. 1918 North Wayne St., Rosslyn. Records available: 1928-50.

Jan. 31	24.23	May 2	22.79	Aug. 1	21.77	Oct. 31	21.52
Feb. 28	23.51	31	22.11	Sept. 1	22.23	Nov. 30	21.79
Apr. 3	22.74	June 29	21.55	29	21.38		

Chesterfield County

36. Pilcher well. John M. Ashby. At Matoaka Manor. 3 miles north of Petersburg on U. S. Highway 1. Drilled unused water-table well in Petersburg granite, diameter 6 inches, depth 139 feet. Land-surface datum is approximately 57.30 feet above msl. Highest water level 12.48 below lsd, July 29, 1945; lowest 19.09 below lsd, Jan. 14, 1942. Records available: 1939-50.

Jan. 3	16.08	Apr. 27	14.92	Aug. 3	15.23	Nov. 3	16.44
Feb. 1	16.11	June 5	15.18	Sept. 5	16.05	29	16.70
Mar. 1	15.78	27	15.68	Oct. 2	16.22	Dec. 28	16.32
Apr. 1	14.99						

Fairfax County

1. Bacon well. About 2 miles west of Fairfax, at Fair Acres farm, on U. S. Highway 50. Records available: 1932-50.

Jan. 31	17.70	May 2	15.05	Aug. 1	15.08	Oct. 31	14.91
Feb. 28	16.07	31	14.75	Sept. 1	16.21	Nov. 30	14.67
Apr. 3	14.66	June 29	15.25	29	15.26		

2. Bell well. At Ash Grove, about 1 mile northwest of Tysons Crossroads on State Highway 7 (Leesburg Pike). Drilled well, diameter 2 inches, depth 9.28 feet, casing 2-inch galvanized pipe. Records available: 1932-50.

Jan. 31	2.87	May 2	2.28	Aug. 1	2.86	Oct. 31	2.13
Feb. 28	2.58	31	.22	Sept. 1	4.48	Nov. 30	1.94
Apr. 3	1.40	June 29	2.85	29	2.50		

3. Jefferson School well. In Falls Church, near southeast corner of Jefferson School. Records available: 1938-50.

Jan. 31	25.01	May 2	22.57	Aug. 1	22.97	Oct. 31	22.94
Feb. 28	23.31	31	22.14	Sept. 1	24.54	Nov. 30	22.45
Apr. 3	22.35	June 29	22.96	29	22.90		

4. Swart well. On Swart farm, about 1.5 miles west of Fairfax, on U. S. Highway 50, at Difficult Run. Records available: 1932-50.

Jan. 31	1.09	May 2	1.07	Aug. 1	1.43	Oct. 31	1.15
Feb. 28	1.41	31	1.09	Sept. 1	1.49	Nov. 30	1.13
Apr. 3	1.26	June 29	.98	29	1.38		

Isle of Wight County

161. Camp Manufacturing Co. Drilled observation artesian well in sands of the Potomac group, diameter 6 to 4 inches, depth 605 feet. Land-surface datum is 14.80 feet above msl. Highest water level +7.10 above lsd, Nov. 27, 1941; lowest -27.61 below lsd, Dec. 18, 1950. Records available: 1941-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	14.11	May 22	20.07	Aug. 7	20.64	Oct. 23	24.59
9	13.35	29	20.19	14	20.80	30	25.92
16	13.08	June 5	20.22	21	21.27	Nov. 6	21.39
23	10.81	12	20.32	28	21.20	13	20.80
Apr. 10	19.33	19	20.45	Sept. 4	19.77	20	20.46
15	14.69	26	20.64	11	19.45	27	23.09
17	18.02	July 3	20.79	18	19.70	Dec. 4	25.98
24	18.95	10	20.75	29	19.58	11	26.90
May 1	19.54	18	20.69	Oct. 2	20.08	18	27.61
8	19.87	24	20.78	9	18.55	26	24.02
15	19.88	31	20.84	16	19.00		

Prince George County

13. Old Dominion Water Corp. In Hopewell. Drilled unused artesian well in sands of Potomac group, diameter 6 inches. Land-surface datum is 50.26 feet above msl. Highest water level 25.06 below lsd, Dec. 3, 1948; lowest 56.95 below lsd, Aug. 14, 1943. Records available: 1939-50.

Jan. 6	36.36	Apr. 7	35.86	July 7	49.61	Oct. 6	49.51
13	36.36	14	35.86	14	43.66	13	48.78
20	34.76	21	35.86	21	49.86	20	48.66
27	36.36	28	35.86	28	49.11	27	48.85
Feb. 3	35.21	May 5	35.76	Aug. 4	49.26	Nov. 4	47.36
10	35.86	12	36.01	11	49.21	10	46.34
17	35.51	19	38.26	18	49.41	17	44.14
24	34.96	26	46.06	25	48.83	24	40.99
Mar. 3	36.11	June 2	47.76	Sept. 1	48.82	Dec. 1	39.21
10	36.76	9	48.76	8	48.80	8	37.14
17	35.56	16	49.06	15	49.06	15	37.22
24	35.36	23	49.26	22	49.26	22	37.11
31	36.06	30	49.41	29	49.66	29	36.70

Southampton County

29. Virginian Railway. At Sebrell. Drilled unused artesian well in pre-Miocene sand and gravel, diameter 10 inches, depth 344 feet. Land-surface datum is 58.4 feet above msl. Highest water level 15 feet below lsd, 1907; lowest 32.60 feet below lsd, Oct. 2, 1948. Records available: 1907, 1938, 1940-46, 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1907	15	July 14, 1944	29.58	Apr. 30, 1949	31.05	Mar. 1, 1950	29.92
July 28, 1938	20.92	Oct. 31	30.25	May 31	31.02	Apr. 1	30.88
Apr. 2, 1940	21.72	July 5, 1945	30.62	June 30	31.01	28	31.08
Sept. 26, 1941	22.98	Dec. 20	30.80	July 5	30.87	June 5	30.96
June 26, 1942	25.11	Mar. 8, 1946	30.20	8	31.01	27	31.16
Sept. 4	25.89	Dec. 13	30.70	Aug. 4	31.14	Aug. 3	31.08
Nov. 16	26.60	Oct. 2, 1948	32.60	31	30.83	Sept. 5	31.40
Apr. 14, 1943	27.09	30	31.60	Sept. 28	31.05	Oct. 2	31.39
July 9	27.61	Nov. 30	31.35	Nov. 2	31.03	Nov. 3	31.46
Nov. 4	28.87	Feb. 1, 1949	31.30	Dec. 5	31.23	30	31.56
Dec. 27	25.24	25	31.05	Jan. 3, 1950	31.22	Dec. 28	31.76
May 12, 1944	29.24	Apr. 1	30.96	Feb. 1	31.18		

89. Southampton County Courthouse. At Courtland. Jetted unused artesian well in pre-Miocene sand, diameter 2 inches, depth 125 feet. Land-surface datum is about 29 feet above msl. Highest water level 2.76 below lsd, Feb. 6, 1942; lowest, 10.94 below lsd, Dec. 28, 1950. Records available: 1942-46, 1949-50.

Jan. 16, 1942	2.99	Feb. 20, 1942	2.82	Apr. 14, 1943	4.99	July 14, 1944	7.87
23	2.98	27	3.01	July 9	5.68	Oct. 31	8.49
30	2.88	Mar. 6	3.01	Nov. 4	6.87	July 5, 1945	10.25
Feb. 6	2.76	Sept. 4	3.48	Dec. 28	7.07	Dec. 20	9.82
13	3.00	Nov. 16	4.01	May 12, 1944	7.27	Mar. 8, 1946	9.46

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Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 13, 1946	10.57	Sept. 28, 1949	9.66	June 27, 1950	9.93	Nov. 3	10.20
Aug. 4, 1949	9.63	Dec. 5	9.67	Sept. 5	10.25	Dec. 28	10.94
31	9.00	Feb. 1, 1950	9.06				

205. Town of Franklin. Jetted observation artesian well in sands of Potomac group, diameter 4 inches, depth 354 feet, cased to 335, screen at 335-354. Land-surface datum is 21.24 feet above msl. Highest water level 14.5 below lsd, June 25, 1942; lowest 39.0 below lsd, Dec. 16, 1950. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	21.5	Apr. 15	25.5	July 15	29.5	Oct. 14	28.0
14	18.5	22	27.5	22	29.0	21	30.0
21	20.5	29	27.5	29	29.0	28	36.0
28	19.0	May 6	27.5	Aug. 5	29.5	Nov. 4	32.5
Feb. 4	18.5	13	27.7	12	29.5	11	29.8
11	24.0	20	28.5	19	29.5	18	30.5
25	26.5	27	28.7	26	32.5	25	32.0
Mar. 4	26.7	June 3	29.0	Sept. 2	33.0	Dec. 2	36.0
11	25.7	10	30.5	9	33.5	9	38.5
18	26.3	17	30.0	16	28.6	16	39.0
25	26.9	24	29.5	23	26.5	23	38.5
Apr. 1	26.5	July 1	30.0	30	29.5	30	38.5
8	26.5	8	30.0	Oct. 7	28.5		

Sussex County

90. Jeb S. White well. In Wakefield. Drilled unused artesian well in sand and gravel of Potomac group, diameter 3 inches, depth 225 feet. Land-surface datum is 100.7 feet above msl. Highest water level 63.55 below lsd, Apr. 16, 1940; lowest 74.16 below lsd, Aug. 1, 1949. Records available: 1938, 1940-50.

Jan. 5	72.80	Mar. 27	72.82	June 26	72.60	Oct. 12	72.20
9	73.54	Apr. 4	72.84	July 3	72.60	16	72.14
16	72.93	10	72.75	10	73.30	23	72.37
23	73.00	17	72.90	26	72.13	31	72.30
30	73.25	25	72.82	31	73.66	Nov. 6	72.29
Feb. 6	73.41	May 1	73.00	Aug. 7	72.13	13	72.29
13	73.60	8	72.59	14	72.20	23	72.26
20	72.80	15	72.62	21	72.14	27	42.09
27	72.70	22	72.60	28	72.13	Dec. 5	72.12
Mar. 10	72.60	29	72.59	Sept. 4	72.47	11	72.24
13	72.83	June 5	72.64	11	72.29	18	72.29
24	72.76	19	73.70	Oct. 2	72.10	26	72.30

Warwick County

15. Milstead 1. Department of the Army, at Fort Eustis. Drilled unused artesian well in sand of Pamunkey group, diameter 10 to 8 inches, depth 367 feet. Land-surface datum is 4.5 feet above msl. Highest water level 7.93 feet above lsd, Apr. 17, 1941; lowest 5.87 feet below lsd, Oct. 27, 1942. Water levels in this well as given for 1945 (1024, p. 233) and 1946 (1072, p. 259) are erroneously stated to be below land-surface datum; the statements should be changed to read above land-surface datum. Records available: 1941-50.

Water level in feet above land-surface datum

Jan. 6	4.20	Apr. 7	4.40	June 30	4.26	Sept. 26	3.94
13	3.93	14	4.00	July 7	3.97	Oct. 4	4.13
20	4.35	21	4.30	14	3.51	10	3.95
27	4.15	28	4.40	21	3.55	18	3.97
Feb. 10	4.35	May 8	4.45	28	3.77	24	4.24
17	4.75	12	3.90	Aug. 4	4.05	Nov. 20	2.60
24	4.25	19	3.77	11	3.40	27	2.64
Mar. 3	4.31	26	3.85	18	4.03	Dec. 4	2.43
10	4.00	June 2	4.00	24	3.63	11	3.29
17	4.70	9	3.50	31	4.00	19	2.10
24	4.30	16	4.11	Sept. 7	3.75	26	2.67
31	4.10	23	4.10	18	3.90		

WEST VIRGINIA

By R. C. Smith

Scope of Water-Level Program

The observation-well program in West Virginia, begun in 1941 in cooperation with the State Geological and Economic Survey, was continued in 1950. Measurements of water levels were made in 18 observation wells, 6 of which were equipped with recording gauges.

Precipitation

The average precipitation over the State in 1950 was 54.35 inches, about 11.20 inches above normal and about 8.9 inches above the average for 1949. Above-normal precipitation occurred over most of the State in January, May, June, July, September, and November. During February, March, October, and December the precipitation was normal, but it was below normal during April and August. The average precipitation in January was the second greatest amount ever recorded for that month, and in September the average precipitation was the third greatest amount ever recorded for that month. On November 24-27 there was a record breaking snowfall in several counties in the central and northwestern sections. Several areas had between 20 and 40 inches of snowfall. Most of the snow melted on December 2 and 3.

Interpretation of Water-Level Fluctuations

As a result of the above-normal precipitation the water levels in the observation wells were generally higher than the water levels at the corresponding season in 1949. The water levels in four observation wells rose to new highs during 1950. They are: well 9-6-27 at Morgantown, 90.84 feet on December 29; well 9-6-45 near Morgantown, 9.42 feet on January 30; well 40-3-1 at Nitro, 1.23 feet on January 28; and, well 42-4-1 at Montgomery, 21.76 feet on February 6. The water level in well 9-6-27 has been rising almost continuously since 1945, and throughout most of 1950 it was above the previously recorded high. The water levels in two observation wells did not conform to the general pattern. The water level in well 40-3-1 at Nitro, a water-table well, declined during April and did not rise until June due to a local deficiency of rainfall during April and May. The water level in well 9-6-46 at Morgantown, also a water-table well, was at a record low (15.90 feet) from September 5 to 12 as a result of local deficiency of rainfall during the latter part of August and the first part of September. In all but one of the artesian wells, there was little or no seasonal decline of the water levels during the summer months. The water level in well 40-5-14 declined during May, June, and July in response to nearby pumping for air conditioning but rose steadily during the latter months of the year. In all of the artesian observation wells, for which a complete year of record is available, the water levels at the end of the year were either the same or higher than the water levels at the beginning of the year.

Water levels in ten observation wells in West Virginia have been measured for 8 years or longer during the period since 1941, when the cooperative investigation was begun. Hydrographs from nine of the wells have been prepared and are shown in figures 20, 21, and 22. The hydrograph from well 27-3-20, at Parkersburg, is not shown because the well is about 1,500 feet from well 27-3-22; and the water levels in both wells fluctuated almost simultaneously. Figure 20 shows graphs of the water-level fluctuations in four wells in northern West Virginia. Well 9-6-46 is a dug well in Morgantown and obtains water from alluvium of Pleistocene age in an upper terrace of the Monongahela River, about 120 feet above the present river level. The well is situated about 100 feet back from the edge of the terrace. The bedrock surface, which has been cut into a sandstone of the Conemaugh formation, dips slightly toward the terrace escarpment. The bedrock is exposed in the face of the escarpment. Water travels to the well through the alluvium and along the top of the bedrock. The water level in the well, which fluctuates in response to local precipitation, rises sharply after periods of rainfall and gradually declines during dry periods as the groundwater escapes through springs along the face of the escarpment. Well 9-6-27, also in Morgantown, is a drilled well which penetrates the Pottsville group, the only extensive fresh water aquifer in the area for which data are available. The formation consists of thick sandstones interbedded with shales, coals, and thin limestones. The principal water-bearing rocks of the formation are the Homewood and Connoquenessing sandstone members. The Pottsville group outcrops in a belt 1 to 2 miles wide along the flank of Chestnut Ridge, 4 miles east of Morgantown. Because the recharge area is some distance from the observation well, the

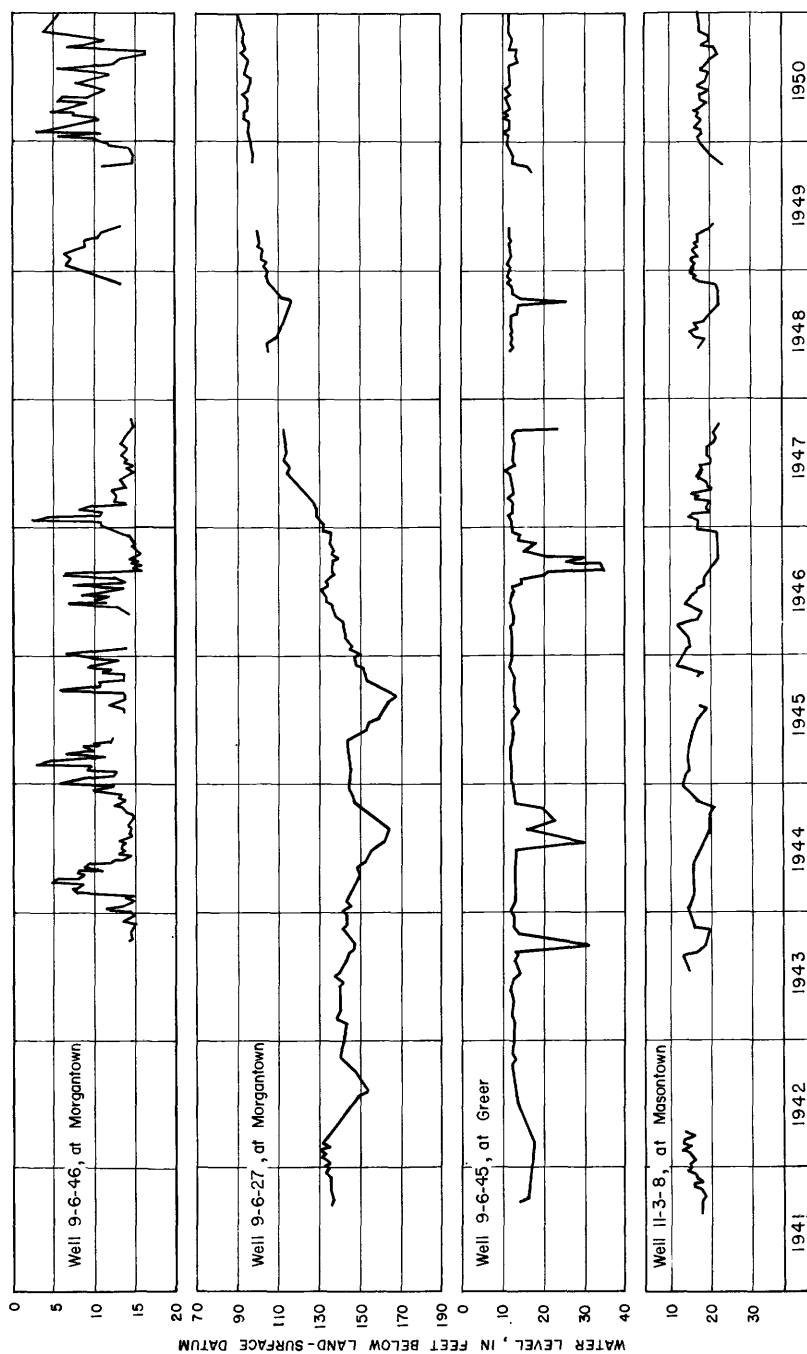


Figure 20. --Fluctuations of water levels in four observation wells in northern West Virginia, 1941-50.

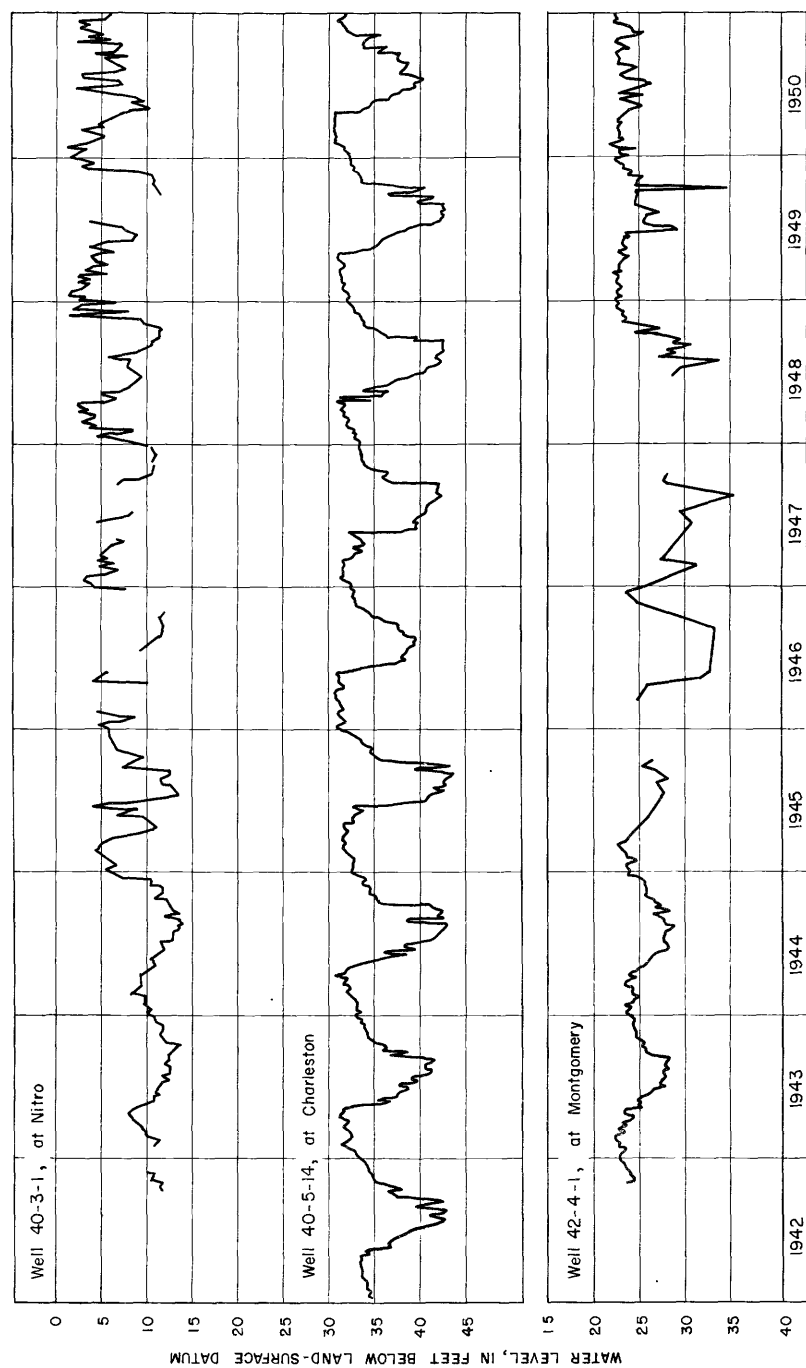


Figure 21. ---Fluctuations of water levels in three observation wells in southern West Virginia, 1942-50.

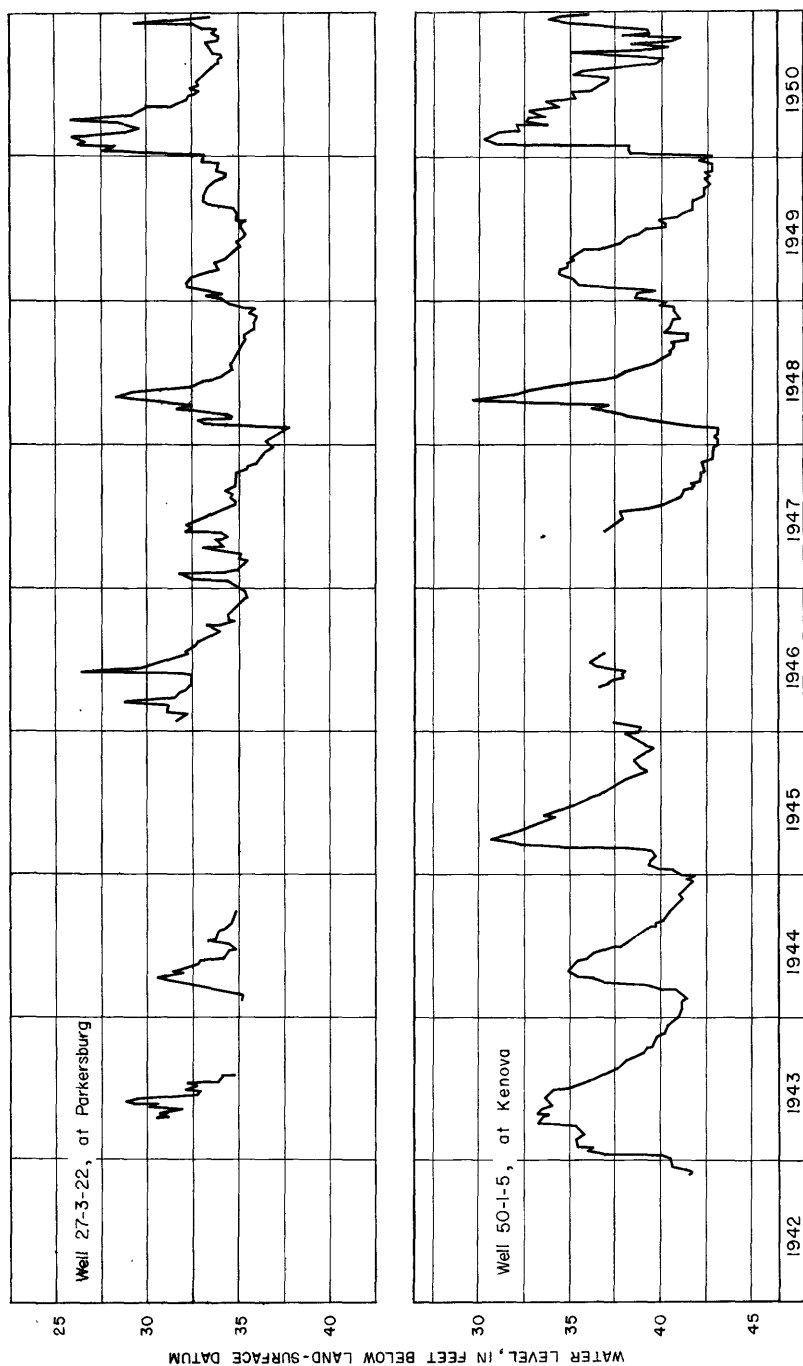


Figure 22. --Fluctuations of water levels in two observation wells in alluvium along the Ohio River in West Virginia, 1942-50.

water levels in the well do not reflect variations in precipitation over short periods. Rather, the water-level fluctuations were caused primarily by variations in pumpage from the aquifer. As shown in figure 20, the water level in well 9-6-27 showed a progressive downward trend from the beginning of the record through the summer months of 1945. This was the result of the withdrawal during the summer months of approximately 80,000 gallons a day from the Pottsville group at a distance of about 1,200 feet from the observation well. Except during a brief period in 1948, there has been no pumping from the aquifer since 1945. The water level has shown a progressive rise since pumping stopped. Well 9-6-45, about 7.5 miles southeast of Morgantown, is situated in the valley of Deckers Creek at the crest of the Chestnut Ridge anticline. The well penetrates the Pocono formation and obtains water from the Burgoon sandstone member (Keener and Big Injun sandstones of the West Virginia Geological Survey). The sandstone outcrops nearby in the bed of Deckers Creek and dips to the east at about 200 feet to the mile. The periodic drops in water level in the well, as shown by the hydrograph in figure 20, were in response to seasonal pumping of about 100,000 gallons a day from a well about 60 feet from well 9-6-45. Between periods of pumping, the water level in the observation well is at an almost constant level indicating probable recharge to the formation from Deckers Creek. Well 11-3-8, at Masontown, obtains water from the Pottsville formation which outcrops on the flank of Chestnut Ridge. The fluctuation of the water level in the well is caused primarily by variations in nearby pumping. Measurements were made at monthly intervals in 1943, 1944, 1945, and part of 1946. For the remainder of the record, water levels were measured either at weekly intervals or taken from a recording gage. Consequently, the hydrograph (fig. 20) has a slightly different appearance for the period when measurements were made monthly than when they were made weekly. However, the general pattern is about the same each year.

Figure 21 shows graphs of the water-level fluctuations in three wells in southern West Virginia. Well 40-3-1 is a dug well in alluvium of Pleistocene age in the valley of Armour Creek near Nitro. The log of the well shows several feet of clay, with some gravel, overlying a layer of sand which in turn rests on the bedrock. The normal flow of ground water in the vicinity of the well is from the sides of the valley, through the sand, and toward the bed of Armour Creek. The fluctuation of water level is the result of local variations in the amount of precipitation. There is no pumping in the area. Well 40-5-14, in Charleston, is drilled into the Kanawha formation of the Pottsville group, a formation consisting of alternating layers of shale and sandstone with some thin limestone layers. Within a half-mile radius of the well, pumpage averages 500,000 gallons a day throughout most of the year but increases to about 1 million gallons a day during the summer months. The increase, because of pumping for air conditioning, causes the seasonal decline of water level in the well shown by the hydrograph (fig. 21). The yearly low water level reflects the summer temperature rather than the amount of precipitation. For example, in 1946 there was a deficiency in the precipitation at Charlestown of 9.66 inches, and in 1949 there was a deficiency of 5 inches; however, the summer temperature at Charleston was below normal in 1946 and considerably above normal in 1949, and the seasonal low water level in 1949 was about 3 feet below that for 1946. On the basis of yearly highs, in the spring, there is no progressive trend, either up or down, to the water level. Well 42-4-1 is at Montgomery and, as does well 40-5-14, it penetrates the Kanawha formation of the Pottsville group. The aquifer is not continuous, however, between the two wells. The fluctuation of the water level at the well is due partly to variation in pumpage about one-half mile from the well and partly to variation in precipitation. The apparent downward trend from 1945 through 1947 is the result of below-normal precipitation in 1946 and 1947. The hydrograph (fig. 21) appears smoother in 1946 and 1947 because it was made from measurements taken at monthly intervals. The remainder of the graph represents weekly measurements. The aquifer at both wells (40-5-14 and 42-4-1) outcrops, beneath a layer of alluvium, in the bed of the Kanawha River, and may be partially recharged from the river.

Figure 22 shows graphs of the water-level fluctuations in two wells in the alluvium adjacent to the Ohio River. Well 27-3-22 is at Parkersburg near the municipal well field, and well 50-1-5 is at Kenova in an area not affected by pumping. The fluctuations of water level in both wells are related primarily to variations in the stage of the adjacent river. The water levels generally rise during periods of high river stage in the spring and decline more or less regularly until the river level again rises substantially above pool stage. The apparent upward trend of the water level at well 27-3-22 during the last 3 years of record is the result of a gradual decrease in pumping near the well as new units were added to the municipal well field at a greater distance away. The graph of the fluctuation of water level in well 50-1-5 (fig. 22) is actually a graph drawn from observations at two wells. From May 1947 to October 1948 the water-level measurements were made in well 50-1-5A, about 800 feet from well 50-1-5. The water-level fluctuations at both wells are the same when plotted on a reduced scale such as was used in figure 22. The measurements of the depth to water in well 50-1-5A were referred to the land surface datum at well 50-1-5 and were plotted with the measurements from well 50-1-5.

Well-Numbering System

Observation wells in West Virginia are assigned three-part numbers indicating their location by county and magisterial district. For this purpose the counties have been numbered consecutively in a general southward direction, beginning with Hancock County, which is at the northernmost tip of the State, the magisterial districts within each county are numbered

consecutively according to the same plan; then the wells within the district are numbered consecutively as they are surveyed. Thus, the number 9-6-27, assigned to a well in Morgantown, indicates that it is well 27 in district 6 (Morgan District) of county number 9 (Monongalia County).

Well Descriptions and Water-Level Measurements

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

Fayette County

42-4-1. Baldwin Supply Co. 407 Fourth Ave., Montgomery. Drilled unused well, diameter 6 inches, depth 95 feet. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	23.86	Mar. 20	22.72	June 26	25.29	Oct. 2	23.69
9	22.94	27	22.99	July 5	26.19	23	22.44
16	22.85	Apr. 3	22.63	17	25.10	29	22.72
23	24.82	May 1	24.03	24	23.42	Nov. 6	24.02
30	22.68	8	25.10	31	22.68	13	25.13
Feb. 6	21.76	15	24.80	Aug. 14	24.69	20	24.96
13	22.37	22	23.15	21	24.27	27	23.84
20	23.10	29	22.85	28	22.76	Dec. 4	22.90
27	22.74	June 5	25.25	Sept. 11	22.90	11	22.05
Mar. 6	22.89	12	22.71	18	22.54	18	22.55
13	22.81	19	24.51	25	22.48	26	22.03

42-4-2. Virginian Railway Co. At Deepwater, 200 feet west of overpass. Dug unused well, diameter 36 inches, depth 14 feet. Records available: 1942-45. Measurement discontinued.

Harrison County

12-2-26. City of Lumberport. At Lumberport, along Jones Creek, 0.5 mile northwest of State Highway 20. Drilled unused well, diameter 6 inches, depth 140 feet. Records available: 1942. Measurement discontinued.

Kanawha County

40-3-1. L. T. Smith. 40th Street, Nitro, 0.45 mile west of U. S. Highway 35. Dug unused well, diameter 24 inches, depth 17 feet. Records available: 1942-50.

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	1.60	3	5.59	5	7.07	14	7.11				
14	2.30	10	6.53	13	6.91	21	2.28				
21	3.18	17	6.93	21	3.07	28	5.83				
28	1.23	28	8.02	29	2.90	Nov. 4	3.30				
Feb. 11	3.01	May 2	10.01	Aug. 5	6.03	11	5.01				
18	3.89	8	9.89	12	7.42	22	4.01				
23	4.63	16	8.25	Sept. 8	5.29	29	2.68				
28	5.03	23	9.24	16	7.76	Dec. 6	3.48				
Mar. 11	2.63	30	8.80	23	4.09	12	2.52				
21	5.13	June 7	7.07	30	6.44	20	5.07				
28	4.75	27	2.14	Oct. 6	6.98	26	5.99				

40-5-14. Coyle & Richardson Department Store. Dickinson and Lee Sts., Charleston. Drilled unused well, diameter 8 inches, depth 208 feet. Records available: 1941-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.13	30.83	30.67	30.43	31.23	36.79	39.41	37.81	38.70	34.59	35.57	31.75
2	32.03	29.97	30.76	30.45	30.90	36.87	35.30	37.33	38.65	36.02	34.33	31.65
3	32.14	29.70	30.76	30.42	32.50	36.75	39.34	37.08	36.55	34.79	33.66	31.50
4	32.24	29.70	30.67	30.57	33.14	33.65	38.25	37.00	36.91	34.53	32.57	31.02
5	32.23	29.82	30.65	30.64	33.64	36.00	38.15	37.88	36.19	33.39	32.34	30.64
6	32.15	30.23	30.63	30.71	35.51	36.87	39.31	35.90	35.77	33.15	32.22	30.74
7	32.15	30.49	30.62	30.69	31.99	37.39	39.37	37.46	35.44	34.88	32.17	30.99
8	32.14	30.50	30.75	30.64	34.02	37.40	39.31	37.30	36.66	33.84	32.17	30.96
9	31.95	30.60	30.88	30.67	33.77	37.47	35.21	36.85	37.49	33.39	32.79	30.46
10	32.13	30.58	30.89	30.48	34.52	37.91	39.11	37.40	35.67	32.82	32.38	30.22
11	32.18	30.52	30.82	30.67	34.50	.....	39.36	37.98	38.04	32.79	32.20	30.39
12	32.10	30.52	30.70	30.67	33.77	.....	38.60	38.03	38.64	32.69	32.04	30.66
13	31.95	30.50	30.61	30.69	34.00	.....	39.67	36.03	37.24	32.78	32.10	30.78
14	31.89	30.62	30.59	30.72	31.85	37.67	39.72	37.98	37.10	32.69	32.08	30.87
15	31.85	30.70	30.41	30.72	31.67	38.12	40.01	37.79	.....	32.87	32.00	30.99

40-5-14--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	31.90	30.79	30.47	30.69	33.89	38.24	35.98	37.52	36.79	32.63	31.95	30.98
17	31.96	30.79	30.47	30.55	34.07	38.34	39.75	38.17	35.71	33.20	32.00	30.95
18	31.73	30.77	30.67	30.64	34.21	34.09	40.20	37.53	37.58	33.17	31.95	31.05
19	31.81	30.80	30.68	30.72	34.91	37.85	39.43	38.39	37.78	33.05	31.95	31.07
20	31.81	30.85	30.49	30.72	34.42	38.15	40.48	36.30	37.67	33.36	32.00	31.90
21	31.72	30.80	30.50	30.84	32.36	38.10	40.47	36.83	36.20	33.74	31.99	31.64
22	31.68	30.62	30.28	30.78	34.64	38.37	39.48	36.77	36.21	33.06	31.87	31.12
23	31.72	30.83	30.54	30.63	34.88	38.21	36.27	37.34	35.76	33.96	31.77	31.07
24	31.80	30.85	30.82	32.28	34.94	38.59	39.52	38.30	35.05	33.31	31.84	30.93
25	31.83	30.85	30.59	32.58	35.92	38.49	39.56	38.51	33.83	32.66	31.65	30.90
26	31.88	30.82	30.54	31.12	36.42	38.97	37.26	38.60	33.80	32.60	31.55	31.16
27	31.86	30.75	30.34	33.32	36.74	38.93	38.13	36.12	33.74	32.51	31.65	31.16
28	31.72	30.70	30.49	32.98	33.16	38.59	38.21	38.40	34.43	33.83	31.69	31.01
29	31.53		30.62	32.50	35.22	39.24	38.37	38.49	34.47	33.23	31.74	31.02
30	31.62		30.62	31.04	32.83	39.50	36.10	38.09	34.51	33.79	31.75	30.99
31	31.45		30.56		36.22		37.81	38.62		33.88		30.97

Marshall County

4-3-8. Triangle Conduit and Cable Co. In Glen Dale, at south edge of town, about 500 feet west of U. S. Highway 250. Drilled unused well, diameter 10 inches, depth 100 feet. Records available: 1950.

Daily lowest water level from recorder graph

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	56.91	57.85	59.53	58.75	59.71	56.99
2	55.95	56.41	57.93	59.13	59.14	59.71	56.92
3	55.65	56.16	58.02	58.70	59.24	59.81	56.15
4	55.60	56.02	58.12	.....	59.23	59.73	56.20
5	55.83	55.92	58.12	.....	59.32	.....	56.05
6	55.85	55.80	57.75	.....	59.40	59.26	53.54
7	55.83	.....	57.94	.....	58.95	59.23	50.09
8	55.82	.....	58.48	.....	58.77	59.16	50.10
9	55.91	.....	58.68	.....	59.19	59.02	50.15
10	55.92	56.30	58.64	.....	59.34	58.95	50.04
11	55.39	56.52	58.77	59.07	59.47	58.86	50.56
12	55.85	56.70	58.77	59.14	59.64	57.99	50.93
13	56.01	56.86	58.20	59.21	59.71	58.42	51.18
14	56.32	56.97	58.51	59.28	59.40	58.67	51.55
15	56.40	56.97	58.71	59.28	58.64	58.75	51.77
16	56.34	56.70	58.83	59.04	58.88	58.64	51.75
17	56.35	57.02	59.08	58.56	58.99	58.67	51.60
18	55.93	57.30	59.26	59.13	59.07	58.66	52.18
19	56.30	57.46	59.24	59.27	59.36	58.01	52.48
20	56.46	57.56	58.58	59.40	59.55	58.37	52.78
21	56.56	57.56	58.83	59.47	59.49	58.40	53.00
22	56.79	57.56	59.20	59.47	59.05	58.37	53.18
23	56.88	56.83	59.26	58.89	59.44	58.21	53.16
24	56.79	57.32	59.38	.....	59.54	57.85	53.61
25	56.12	57.51	59.45	58.91	59.67	57.82	53.61
26	56.54	57.47	59.25	59.05	59.71	57.06	53.36
27	56.62	57.95	58.71	59.23	59.57	57.15	53.56
28	56.91	.....	59.00	59.31	59.56	.....	53.71
29	56.91	57.79	59.03	59.39	59.09	57.09	53.86
30	56.89	57.35	59.15	58.96	59.61	57.07	53.84
31		57.58	59.25		59.72		53.27

4-7-30. Pittsburgh Plate Glass Co. About 6 miles north of New Martinsville, 1,000 feet west of State Highway 2. Drilled unused well, diameter 8 inches, depth 80 feet. Records available: 1950.

Daily lowest water level from recorder graph

Day	July	Aug.	Sept.	Oct.	Nov.	Day	July	Aug.	Sept.	Oct.	Nov.
1	53.64	54.63	54.25	54.06	7	.....	53.91	54.51	54.35	.....
2	53.67	54.59	54.29	54.08	8	.....	53.97	54.56	54.23	.....
3	53.80	54.51	54.23	54.10	9	.....	54.00	54.56	54.12	.....
4	53.82	54.33	54.23	.....	10	53.14	53.97	54.54	54.20	.....
5	53.90	54.54	54.34	.....	11	53.27	53.99	54.63	54.20	.....
6	53.89	54.55	54.31	.....	12	53.28	53.98	54.61	54.17	.....

4-7-30--Continued.

Daily lowest water level from recorder graph

Day	July	Aug.	Sept.	Oct.	Nov.	Day	July	Aug.	Sept.	Oct.	Nov.
13	53.26	53.92	54.56	54.22	.....	23	53.33	54.47	53.50	54.11	.....
14	53.38	53.92	54.39	54.08	.....	24	53.41	54.52	54.16	54.12	53.05
15	53.44	53.90	54.20	53.97	.....	25	53.54	54.49	54.22	54.13	53.05
16	53.42	53.89	54.29	54.05	.....	26	53.48	54.53	54.27	54.21	53.43
17	53.41	54.01	.....	54.10	53.25	27	53.40	54.52	54.22	54.16	.....
18	53.47	54.03	.....	54.12	53.24	28	53.45	54.51	54.28	54.12	.....
19	53.44	54.10	.....	54.04	.....	29	53.59	54.53	54.28	54.17	.....
20	53.48	54.20	.....	54.01	.....	30	53.58	54.59	54.28	54.17	.....
21	53.48	54.31	54.19	54.00	.....	31	53.58	54.62		54.12	
22	53.48	54.33	53.82	53.98	.....					

Monongalia County

9-2-2. Earl Miller. Measurement discontinued.

9-6-1. Baltimore & Ohio Railroad. Measurement discontinued.

9-6-27. T. J. Johnson. Foundry St., Morgantown. Drilled unused well, diameter 10 inches, depth 875 feet. Records available: 1941-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	95.56	Mar. 20	93.97	May 26	94.50	Sept. 5	93.38
16	95.74	28	93.55	June 16	95.20	12	92.74
23	95.59	Apr. 7	94.60	22	95.57	19	93.27
30	95.03	14	94.42	July 11	93.77	26	93.24
Feb. 6	94.78	21	94.19	28	94.03	Oct. 11	92.80
13	94.52	28	93.93	Aug. 4	94.72	27	93.01
20	94.67	May 5	94.02	11	94.26	Nov. 7	92.49
Mar. 6	94.62	12	93.75	18	94.55	Dec. 29	90.84
13	93.54	19	93.69				

9-6-45. Deckers Creek Sand Co. At Greer, below sand quarry. Drilled unused well, diameter 8 inches, depth 105 feet. Records available: 1941-45, 1947-50.

Jan. 3	10.35	Mar. 20	10.46	May 26	10.55	Aug. 18	12.60
9	10.04	28	9.90	June 7	10.59	Sept. 5	12.49
16	10.37	Apr. 7	10.49	16	10.78	12	12.35
23	10.63	14	10.85	22	10.79	19	11.34
30	9.42	21	10.79	July 7	11.00	26	10.88
Feb. 6	10.20	28	10.69	14	10.81	Oct. 11	11.29
13	10.25	May 5	10.09	28	10.90	27	11.55
20	10.62	12	10.70	Aug. 4	11.10	Nov. 7	10.73
Mar. 6	10.69	19	10.72	11	11.32	Dec. 29	10.50
13	9.89						

9-6-46. W. L. Madire. 132 Prairie St., Morgantown. Dug unused well, diameter 30 inches, depth 16 feet. Records available: 1943-45, 1947-50.

Jan. 3	10.00	Mar. 13	7.27	May 19	10.17	Aug. 18	12.72
9	5.28	20	7.41	26	11.30	Sept. 5	15.90
16	7.80	28	4.99	June 16	7.37	12	15.90
23	10.95	Apr. 7	6.18	22	9.73	19	13.27
30	2.93	14	7.78	July 7	11.75	26	6.40
Feb. 6	5.49	21	8.95	14	11.76	Oct. 11	10.17
13	5.58	28	5.89	28	5.22	27	11.04
20	7.52	May 5	5.95	Aug. 4	10.23	Nov. 7	3.75
Mar. 6	10.14	12	9.13	11	12.09	Dec. 29	5.47

Ohio County

3-10-1. Neibergall & Martini. 45th and Eoff Sts., Wheeling. Drilled unused well, diameter 8 inches, depth 76 feet. Records available: 1950. Measurement discontinued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	Day	Jan.	Feb.	Mar.	Apr.	May
1	33.47	28.69	32.62	20.75	31.82	17	25.70	21.86	29.19	33.46	31.15
2	34.10	26.83	32.89	22.05	31.87	18	25.31	22.95	29.77	33.94	35.21
3	34.26	25.65	.....	24.83	31.52	19	26.10	24.23	30.27	34.23	35.28
4	34.20	25.70	.....	26.14	31.66	20	27.47	25.95	31.64	34.40	35.20
5	.....	26.50	.....	25.15	31.80	21	28.88	27.27	32.08	34.55	35.02
6	.....	27.75	.....	24.48	31.81	22	29.89	28.70	31.93	34.53	35.27
7	.....	28.92	.....	23.89	32.12	23	32.42	28.85	29.88	34.03	.....
8	.....	29.72	.....	23.65	33.27	24	32.63	28.46	29.17	34.55	.....
9	.....	29.99	34.67	24.65	34.67	25	32.20	27.86	27.07	.....	.....
10	.....	29.91	34.40	26.61	34.15	26	31.74	28.31	25.62	.....	.....
11	.....	28.74	33.07	28.30	34.35	27	31.15	30.05	24.93	.....	.....
12	22.49	28.00	32.53	29.85	34.47	28	30.54	32.00	24.28	29.18	.....
13	22.78	28.86	32.39	31.33	34.60	29	29.56	.....	22.43	30.01	.....
14	23.60	28.86	31.74	32.12	34.62	30	29.56	.....	19.49	31.03	.....
15	24.45	27.24	29.65	32.50	34.91	31	29.93	.....	19.68	.....	.....
16	25.64	24.05	28.67	32.68	35.01						

3-10-7. Neibergall Ice Co. 45th and Eoff Sts., Wheeling. Dug unused well, diameter 8 feet, depth 70 feet. Records available: 1950. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 1	23.58	July 21	23.58	Sept. 2	23.58	Oct. 15	23.54
8	23.61	28	23.54	9	23.49	21	23.55
15	23.61	Aug. 4	23.53	16	23.56	28	23.66
23	23.50	12	23.47	24	23.56	Nov. 4	23.46
30	23.53	19	23.51	30	23.52	12	23.46
July 7	23.50	26	23.58	Oct. 6	23.57	18	23.52
14	23.53						

Preston County

11-3-3. Preston County Coal & Coke Co. At Cascade, 0.7 mile east of post office. Drilled unused well, diameter 8 inches, depth 102 feet. Records available: 1941-46. Measurement discontinued.

11-3-3A. Preston County Coal & Coke Co. At Cascade. Dug unused well, diameter 14 inches, depth 7 feet, surrounding well 11-3-3. Records available: 1941, 1943-46. Measurement discontinued.

11-3-8. G. E. Lemmons. East Depot St., Masontown. Drilled well, diameter 8 inches, depth 785 feet. Records available: 1942-50.

Jan. 3	16.43	Feb. 26	16.60	Apr. 21	18.60	June 16	17.21
9	16.50	Mar. 6	17.90	28	17.60	22	18.24
16	17.52	13	16.23	May 5	17.64	July 7	19.19
23	17.20	20	16.59	12	17.25	14	19.27
30	16.27	28	15.50	19	18.25	28	17.57
Feb. 6	15.59	Apr. 7	16.64	26	19.55	Aug. 4	18.60
13	15.96	14	17.79	June 7	16.82	11	19.41

11-3-8--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 18	19.98	Sept. 19	20.37	Oct. 11	19.56	Nov. 7	17.55
Sept. 5	21.59	26	17.85	27	19.74	Dec. 29	16.40
12	20.85						

11-3-9. Martin L. Massie. East end of E St., Masontown. Drilled domestic well, diameter 5 inches, depth 36 feet. Records available: 1941-44. Measurement discontinued.

11-3-14. Belfort Corp. At Reedsville, near plant. Drilled unused well, diameter 4 inches. Records available: 1942-43, 1945-46, 1949-50.

Jan. 3	0.32	Mar. 13	+0.48	May 19	+0.05	Aug. 18	0.21
9	.28	20	+.15	26	+.25	Sept. 5	.30
16	.18	28	+.23	June 16	.08	12	.09
23	+.01	Apr. 7	+.13	22	+.13	19	.09
30	+.53	14	+.07	July 7	+.03	26	+.31
Feb. 6	.38	21	+.25	14	+.13	Oct. 11	+.02
13	+.26	28	.15	28	.09	27	.03
20	+.03	May 5	+.46	Aug. 4	.11	Nov. 7	.02
Mar. 6	.02	12	+.16	11	.17	Dec. 29	+.10

11-3-66. University of West Virginia. 2.3 miles west of Reedsville. Drilled unused well, diameter 5 inches, depth 45 feet. Records available: 1950.

Aug. 4	19.74	Sept. 12	23.20	Sept. 26	18.88	Oct. 27	20.84
Sept. 5	20.78	19	20.97	Oct. 11	20.09	Nov. 7	18.62

11-5-10. Terra Alta Water Board. Measurement discontinued.

Putnam County

39-1-6. Town of Buffalo. Measurement discontinued.

39-1-6A. Town of Buffalo. East end of Sycamore St., Buffalo. Drilled unused well, diameter 9 inches, depth 156 feet. Records available: 1947-50. Measurement discontinued.

Jan. 7	67.48	Jan. 28	68.45	Feb. 18	63.46	Mar. 11	66.49
14	70.40	Feb. 4	61.48	Mar. 4	66.47	18	67.45
21	68.44	11	64.63				

39-1-7. C. C. Wears. At Buffalo, at south edge of town, about 150 feet east of U. S. Highway 35. Dug unused well, diameter 20 inches, depth 26 feet. Records available: 1943-50. Measurement discontinued.

Jan. 7	1.61	Mar. 4	3.69	Apr. 29	9.64	July 1	5.63
14	.63	11	.68	May 13	7.61	8	5.69
21	1.63	18	1.62	20	8.69	15	8.68
28	.64	Apr. 1	2.62	June 3	1.66	22	6.63
Feb. 4	.63	8	2.65	10	2.60	Aug. 5	2.63
11	.63	15	4.69	17	4.62	12	7.62
18	1.69	22	8.40	24	2.66	Sept. 2	8.65

Wayne County

50-1-5. Ashland Oil & Refining Co. In Kenova, at refining plant. Drilled unused well, diameter 6 inches, depth 73 feet. Records available: 1942-46, 1948-50.

Jan. 6	38.31	Apr. 7	32.72	June 30	36.62	Oct. 6	40.39
15	38.27	14	33.64	July 7	36.68	13	38.33
20	38.22	21	32.85	14	37.18	20	40.59
27	38.35	28	32.77	21	37.14	27	40.97
Feb. 3	31.00	May 5	34.35	29	35.39	Nov. 3	37.97
10	30.35	12	34.41	Aug. 4	35.52	10	39.37
17	30.43	19	33.52	26	39.79	17	39.35
24	30.72	26	35.06	Sept. 1	40.10	24	37.69
Mar. 3	32.22	June 2	35.16	8	37.97	Dec. 1	35.93
11	32.27	9	35.12	15	39.47	8	34.72
17	32.22	16	36.18	22	35.10	15	33.93
24	33.66	24	36.39	29	38.89	22	34.43
31	32.52					29	35.97

50-1-5A. Ashland Oil & Refining Co. In Kenova, at refining plant. Drilled unused well, diameter 10 inches, depth 42 feet. Records available: 1947-48. Measurement discontinued.

Wood County

27-3-20. City of Parkersburg well 4. In Parkersburg, in city well field. Drilled unused well, diameter 36 inches, depth 57 feet. Records available: 1943-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.42	29.65	32.35	28.39	34.83	38.18	38.13	38.69	39.01	36.93	39.01	37.47
2	37.56	28.43	32.76	28.61	34.87	38.05	38.30	38.70	39.03	36.91	39.06	37.27
3	37.60	27.90	33.05	29.14	34.80	38.07	38.38	38.70	39.00	36.78	39.07	36.71
4	37.46	27.97	33.31	29.66	34.67	37.58	38.41	38.72	38.92	36.85	38.98	35.84
5	36.63	29.21	33.65	29.69	34.67	37.44	38.34	38.75	38.95	36.87	38.75	35.21
6	35.31	30.06	33.85	29.43	34.94	37.11	37.63	38.77	38.65	36.94	38.37	33.40
7	33.80	30.70	34.01	28.70	35.07	36.77	37.62	38.78	38.60	37.11	37.97	31.90
8	32.60	30.93	34.43	28.37	35.20	36.91	37.71	38.82	38.57	37.11	37.65	30.83
9	30.45	30.96	34.56	28.64	35.53	37.43	37.70	38.91	38.91	37.15	37.81	30.29
10	29.42	30.39	34.62	29.16	36.06	37.63	37.76	38.89	38.64	37.27	37.97	30.25
11	29.54	30.38	34.53	30.03	36.30	37.90	37.82	38.87	38.63	37.27	38.25	31.10
12	29.17	30.46	34.48	30.60	36.42	38.00	37.83	38.88	.....	37.52	38.43	32.18
13	29.30	30.76	34.28	31.27	36.40	38.18	37.86	38.92	.....	37.62	38.61	32.93
14	29.71	30.77	34.19	31.77	36.38	38.29	37.91	38.93	.....	37.70	38.72	33.56
15	29.70	30.63	33.54	32.01	36.63	38.32	37.92	38.92	.....	37.83	38.81	34.26
16	30.21	29.22	33.83	32.35	36.68	38.46	37.92	38.92	38.82	37.93	38.93	34.82
17	30.07	28.31	33.79	32.70	36.72	37.86	37.95	38.91	38.54	38.04	39.01	35.47
18	30.01	28.46	33.98	33.06	36.88	38.10	38.01	38.87	38.25	38.15	39.02	36.26
19	30.07	28.97	33.09	33.45	36.98	38.38	38.00	38.86	38.00	38.25	38.96	36.81
20	29.57	29.41	33.10	34.20	37.07	38.46	37.99	38.90	37.82	38.38	38.80	37.26
21	29.53	29.76	33.14	34.50	37.11	38.52	37.92	38.90	37.66	38.45	38.50	37.41
22	29.94	30.17	32.81	34.57	37.24	38.52	37.89	38.91	37.13	38.55	38.24	37.65
23	31.40	30.41	32.61	34.70	37.28	38.50	37.86	38.95	37.12	38.65	38.03	38.18
24	31.90	30.24	32.30	34.67	37.30	.....	37.90	38.98	37.04	38.71	37.89	38.55
25	32.56	30.24	31.59	34.86	37.24	37.78	38.01	39.02	37.13	38.82	37.82	38.84
26	32.08	30.51	31.15	34.94	37.40	37.69	38.24	39.03	37.13	38.87	38.13	38.89
27	31.61	30.94	30.70	34.58	37.71	36.95	38.37	39.04	37.07	38.91	38.29	39.09
28	31.26	31.57	30.53	34.20	37.68	37.34	38.51	39.04	37.08	38.95	38.22	39.36
29	31.32	.....	30.20	34.55	37.41	37.68	38.57	39.06	37.06	38.97	37.80	39.59
30	31.03	.....	29.40	34.76	37.38	37.92	38.61	39.07	37.08	38.99	37.49	39.75
31	30.20	.....	28.60	.....	37.72	.....	38.65	39.07	.....	38.99	.....	39.91

27-3-22. City of Parkersburg test well F. In Parkersburg, in city well field. Drilled unused well, diameter 5 inches, depth 55 feet. Records available: 1943-44, 1946-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.90	26.36	26.67	24.68	29.73	32.42	32.56	33.21	33.81	33.25	33.86	32.55
2	33.02	25.47	28.08	24.86	29.80	32.40	32.66	33.24	33.83	33.26	33.91	32.42
3	33.01	24.52	28.26	25.25	29.80	32.38	32.76	33.26	33.83	33.22	33.92	32.31
4	32.95	24.52	28.47	25.80	29.75	32.38	32.79	33.27	33.77	33.20	33.84	31.03
5	32.72	25.24	28.66	25.82	29.76	32.01	32.79	33.31	33.74	33.21	33.80	29.86
6	31.92	.....	28.92	25.66	30.02	31.82	32.61	33.32	33.72	32.95	33.49	28.91
7	31.14	.....	28.92	25.05	30.16	31.68	32.24	33.35	33.71	32.91	33.46	28.26
8	30.06	.....	29.46	24.57	30.17	31.64	32.44	33.36	33.66	32.90	32.91	27.44
9	28.86	.....	29.60	24.69	30.43	32.04	32.44	33.45	33.74	32.89	33.05	26.81
10	28.12	.....	29.61	25.05	30.75	32.16	32.47	33.45	33.73	32.93	33.11	26.70
11	28.00	.....	29.49	25.92	30.85	32.33	32.54	33.46	33.74	32.94	33.27	26.96
12	27.36	26.17	29.56	26.33	30.96	32.42	32.53	33.48	33.73	33.02	33.36	27.69
13	26.93	26.43	29.46	26.92	31.06	32.46	32.57	33.50	33.87	33.06	33.47	28.26
14	27.01	26.57	29.46	27.45	31.11	32.64	32.62	33.53	34.09	33.07	33.50	28.76
15	26.91	26.55	28.85	27.57	31.33	32.66	32.63	33.52	34.13	33.16	33.55	29.43
16	27.15	25.50	28.36	27.76	31.38	32.70	32.67	33.55	34.10	33.17	33.68	29.75
17	26.95	24.62	28.29	28.07	31.40	32.65	32.67	33.57	34.07	33.24	33.71	30.16
18	26.68	24.39	28.69	.....	31.56	32.55	32.76	33.55	34.00	33.26	33.73	30.75
19	26.68	24.90	28.73	.....	31.64	32.73	32.76	33.56	33.89	33.30	33.73	31.12
20	26.67	25.25	28.69	.....	31.74	32.77	32.77	33.61	33.82	33.41	33.74	31.51
21	26.63	25.45	28.77	.....	31.76	32.84	32.77	33.61	33.77	33.44	33.74	31.74
22	26.96	25.91	28.51	29.38	31.87	32.84	32.77	33.63	33.60	33.50	33.35	32.00
23	27.60	26.20	28.37	29.55	31.94	32.85	32.73	33.65	33.50	33.60	33.12	32.15
24	28.09	26.06	28.15	29.59	31.97	.....	32.72	33.66	33.42	33.63	32.96	32.49
25	28.25	26.05	27.51	29.66	31.98	32.40	32.75	33.72	33.41	33.71	32.88	32.57

27-3-22--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	28.17	26.16	27.06	29.74	31.94	32.37	32.83	33.74	33.40	33.75	33.08	32.77
27	28.15	26.48	26.69	29.45	32.05	31.91	32.89	33.75	33.37	33.75	33.16	32.85
28	27.51	26.90	26.54	29.03	32.05	32.11	32.91	33.76	33.35	33.77	33.16	32.98
29	27.46		26.37	29.17	31.84	32.32	33.03	33.77	33.25	33.82	32.83	33.20
30	27.48		25.82	29.55	31.91	32.46	33.11	33.80	33.33	33.84	32.58	33.31
31	26.74		25.09		32.22		33.13	33.80		33.85		33.50

