

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

Part 1. Northeastern States

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

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of Connecticut, Delaware, Indiana,
Massachusetts, Michigan, New Jersey,
New York, Ohio, Pennsylvania, and
Rhode Island, and other agencies*



UNITED STATES DEPARTMENT OF THE INTERIOR

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PREFACE

This report was prepared by the Geological Survey in cooperation with the States of Connecticut, Delaware, Indiana, Massachusetts, Michigan, New Jersey, New York, Ohio, Pennsylvania, and Rhode Island, 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 1. NORTHEASTERN

Introduction

By A. N. Sayre

The publication of records of water levels and artesian pressures annually in the United States was begun by the Geological Survey in 1935. Prior to 1940 the records for each year were published in a single volume--1935, 777; 1936, 817; 1937, 840; 1938, 845; 1939, 886. Since 1940 the records have been published in six volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. The following table gives the numbers of water-level reports 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 northeastern States (Connecticut, Delaware, Indiana, Maine, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, and Vermont). Of the 1,274 wells listed, 360 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 Miss Charlotte Parker.

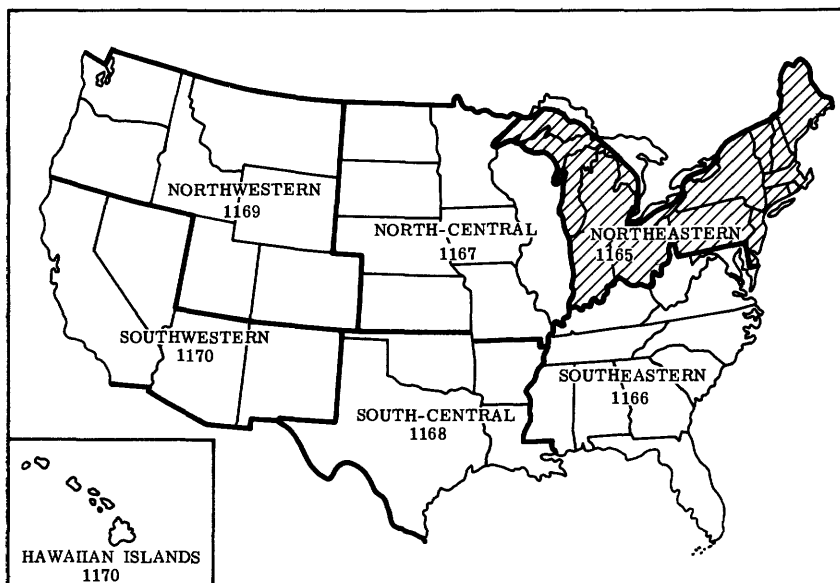


Figure 1. --Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1950. The shaded area indicates the States included in this volume.

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CONNECTICUT

By R. V. Cushman

Scope of Water-Level Program

The observation-well program was continued during 1950 in cooperation with the State Water Commission. The program consists of an areal reconnaissance of the entire State to be followed by more intensive work in areas of particular need or interest. The reconnaissance studies consist of detailed geologic mapping of surficial deposits, inventories of wells and springs and their discharge, and water sampling to determine quality of water in certain local areas. Measurements of water levels were made in 40 wells. Samples of water were collected in January 1950 at 20 ground-water pumping plants in New Haven for determination of chloride content (salinity) in order to show the trend of salt-water contamination as induced by industrial pumpage. Sampling was continued at monthly intervals at five of these plants throughout 1950. In Waterbury bimonthly samples of ground water were collected at five pumping plants for determination of sulfate content, resulting from inflow of acid-contaminated water from the Naugatuck River.

Precipitation

The average annual precipitation for Connecticut during 1950, as recorded at 67 stations of the U. S. Weather Bureau, was 44.05 inches, or about 3 inches below normal. The pattern of weather conditions throughout the year, however, was generally favorable for the raising of crops and the replenishment and maintenance of ground-water supplies. Temperatures were generally mild throughout most of the year. Precipitation was above normal for the period May through August when evaporation and transpiration rates are highest, and was above normal again in November and December when the seasonal recovery of water levels normally begins. A period of unusual dryness commenced in the last half of September and was accentuated in October.

Interpretation of Water-Level Fluctuations

The sources of ground water in Connecticut are the bedrock and the overlying glacial drift. The bedrock consists of relatively impermeable crystalline and sedimentary rocks. Water is contained in cracks and fractures which generally furnish small but reliable supplies to rural homes, small industries, and small municipalities. The mantle of glacial drift consists of till, a relatively impermeable mixture of clay, sand, and boulders, and stratified outwash consisting mostly of permeable sand and gravel. The stratified deposits partly fill many of the stream valleys whereas till covers the surface in the upland areas. Over half of the observation wells in Connecticut are in stratified glacial sand and gravel.

In Connecticut the major fluctuations of ground-water levels are chiefly the result of differences in the amount and distribution of precipitation. The usual yearly trend of water levels consists of a rise during the early months of the year with the peak in May. Thereafter the stage declines throughout the growing and harvesting season with a recovery commencing in November. Water levels during the year 1950 followed this general pattern but with minor departures due to variations in the pattern of precipitation.

Water levels in Connecticut in January 1950 were slightly below normal as the result of the 1949 drought. Water levels rose at approximately normal rates until late in April. An influx of a mass of warm dry air which persisted past the middle of May caused drying of the soil and vegetation and a temporary recession in water level in many observation wells. This downward trend continued through most of May but was halted by a heavy coastal storm on the 25th. Although precipitation throughout most of the summer was above normal the evapotranspiration demand was sufficiently increased by the seasonal rise of air temperatures to cause a steady decline in water levels. The decline persisted until late November when the unusual storm activity resulted in sufficient recharge to ground-water reservoirs to cause a marked rise in water levels. The year ended with levels generally still slightly below normal but continuing to rise. A comparison of year-end levels indicates a net rise in water level in most wells during 1950.

Well-Numbering System

Each well is identified by letters indicating the town in which it is situated, for example, Be for the well in Bethel.

Well Descriptions and Water-Level Measurements

All measurements of water levels in Connecticut are in feet below land-surface datum except for those wells within the city limits of New Haven which are in feet with reference to mean sea level.

Fairfield County

Be 1. Frederick J. Andrews. 248 Greenwood Ave., Bethel. Highest water level 17.20 below lsd, Mar. 30, 1948; lowest 24.40 below lsd, Dec. 15, 1949. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	23.70	Apr. 13	19.10	July 6	20.20	Sept. 28	21.50
12	23.30	20	19.20	13	20.20	Oct. 5	21.50
19	22.80	27	19.50	20	19.40	26	21.90
26	22.20	May 5	19.60	27	19.50	Nov. 2	22.00
Feb. 2	21.80	11	19.70	Aug. 3	19.80	9	22.10
9	21.60	18	19.90	11	19.90	16	22.10
16	21.10	25	19.90	17	20.20	23	22.10
23	20.70	June 1	19.90	24	20.60	30	21.50
Mar. 2	20.10	8	19.90	31	20.80	Dec. 7	21.40
9	19.80	15	19.90	Sept. 7	20.90	14	21.30
16	19.80	22	20.10	14	21.00	21	21.20
30	19.50	29	20.10	22	21.60	28	21.20
Apr. 6	19.10						

Hartford County

Bu 2. E. E. Edman. State Highway 116. About 1,000 feet west of Burlington Center. Highest water level 15.08 below lsd, July 5, 1948; lowest 37.41 below lsd, Dec. 22, 1948. Records available: 1946-50.

Jan. 2	36.55	Mar. 21	20.09	May 1	15.98	Sept. 29	24.12
8	36.69	27	18.79	8	15.69	Oct. 16	26.38
15	36.77	Apr. 3	16.39	July 19	16.99	22	27.39
Feb. 12	27.39	10	16.49	30	18.49	Nov. 1	27.49
Mar. 1	22.51	17	16.68	Aug. 22	19.99	26	30.09
11	21.44	24	15.89	Sept. 2	22.28	Dec. 31	20.98

EH 21. Burnside Ice Co. 790 Tolland St., East Hartford. Highest water level 14.10 below lsd, June 24, 1947; lowest 19.60 below lsd, Sept. 22, 1949. Records available: 1946-50.

Jan. 27	18.00	June 27	16.97	Aug. 25	18.27	Oct. 27	19.23
Mar. 28	16.35	July 27	17.91	Sept. 26	19.15	Nov. 29	17.38
Apr. 26	15.80						

EH 153. John Kentz. 38 Main Street, East Hartford. Highest water level 7.58 below lsd, Mar. 30, 1936; lowest 12.68, Nov. 30, 1938. Records available: 1934-39, 1948-50. Measurement discontinued.

Jan. 27	12.02	Mar. 28	11.68	May 25	11.93	July 27	12.05
Feb. 27	11.85	Apr. 26	11.80	June 27	12.01	Aug. 25	11.87

SW 64. H. F. Church. Station 37, South Windsor. Highest water level 7.15. Mar. 30, 1936; lowest 13.84 below lsd, Dec. 31, 1949. Records available: 1934-39, 1948-50.

Jan. 27	13.45	Apr. 26	11.80	July 27	12.49	Oct. 27	13.32
Feb. 27	12.86	May 25	11.79	Aug. 25	12.67	Nov. 29	13.29
Mar. 28	12.16	June 27	12.00	Sept. 25	13.10		

Litchfield County

Wy 1. James Crowfut. Woodbury. Highest water level 19.89 below lsd, Mar. 30, 1948; lowest 33.50 below lsd, Oct. 10, 1914. Records available: 1914, 1944-50.

Jan. 28	28.64	Apr. 27	21.52	July 28	22.16	Nov. 6	29.28
Feb. 28	26.87	May 29	22.10	Aug. 30	23.46	Dec. 1	28.64
Mar. 27	22.50	June 29	22.90	Oct. 3	27.05		

Middlesex County

Es 1. John Giza. 53 Warsaw St., Ivoryton. Highest water level 0.57 below lsd, May 27, 1947; lowest 3.97 below lsd, Oct. 26, 1948. Measurement discontinued. Records available: 1946-50. Jan. 27, 1.67.

Mf 1. Lyman Gun Sight Corp. Middlefield. Highest water level 3.76 below lsd, Jan. 8, 1949; lowest 12.95 below lsd, Oct. 27, 1949. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	6.05	Apr. 26	5.95	July 27	8.41	Nov. 5	11.40
Feb. 24	5.65	May 30	6.00	Aug. 30	7.58	Dec. 1	10.82
Mar. 28	7.01	June 29	7.33	Sept. 25	9.58		

City of New Haven

NHn 108. Leonard Marenga. 14 Whiting St. Highest water level 1.26 above msl, May 8, 1940; lowest 3.40 below msl, Aug. 26, 1946. Records available: 1939-50.

Water level above and below mean sea level

Jan. 25	+0.38	Apr. 27	-0.06	July 28	-1.40	Oct. 27	-1.28
Feb. 24	+.72	May 29	-.31	Aug. 28	-1.48	Nov. 27	-.76
Mar. 29	+.16	June 26	-.59	Sept. 25	-1.45	Dec. 26	-.41

NHn 110. Federal Packing Co. 149 State St. Highest water level 0.99 above msl, Apr. 27, 1949; lowest 2.20 below msl, Oct 27, 1944. Records available: 1939-50.

Water level above and below mean sea level

Jan. 25	+0.47	Apr. 27	-0.26	July 28	-1.26	Oct. 27	-1.34
Feb. 24	+.82	May 29	-.56	Aug. 28	-1.49	Nov. 27	-.86
Mar. 29	+.29	June 26	-.80	Sept. 25	-1.52	Dec. 26	-.39

NHn 131. New Haven Clock Co. Wallace and St. John Sts. Highest water level 0.38 below msl, May 26, 1949; lowest 5.65 below msl, May 26, 1944. Records available: 1939-50.

Water level below mean sea level

Jan. 25	2.13	Apr. 27	2.06	July 28	1.86	Oct. 27	2.45
Feb. 24	1.93	May 29	2.17	Aug. 28	1.77	Nov. 27	2.64
Mar. 29	2.01	June 26	2.09	Sept. 25	2.10	Dec. 26	2.68

NHn 138. Associated Realty Co. Greene and East Sts.. Highest water level 0.13 above msl, May 26, 1949; lowest 5.70 below msl, June 23, 1944. Records available: 1940-50.

Water level below mean sea level

Jan. 25	1.41	Apr. 27	1.27	Sept. 25	1.33	Nov. 27	1.69
Feb. 24	1.12	June 26	1.29	Oct. 27	1.64	Dec. 26	1.70
Mar. 29	1.20	Aug. 28	1.03				

NHn 170. Yale University. Grove and College Sts. Highest water level 18.63 above msl, June 25, 1948; lowest 15.64 above msl, Jan 14, 1942. Records available: 1939-50.

Water level above mean sea level

Jan. 25	16.48	Apr. 27	17.29	July 28	17.31	Oct. 27	16.73
Feb. 24	16.09	May 29	17.35	Aug. 28	17.10	Nov. 27	16.59
Mar. 29	17.21	June 26	17.39	Sept. 25	16.92	Dec. 26	16.64

NHn 175. Monarch Laundry. 149 Derby Ave. Highest water level 4.51 above msl, June 23, 1939; lowest 2.27 above msl, Dec. 17, 1941. Records available: 1939-50.

Water level above mean sea level

Jan. 25	3.04	Apr. 27	3.31	July 28	3.59	Oct. 27	3.40
Feb. 24	3.05	May 29	3.46	Aug. 28	3.65	Nov. 27	3.25
Mar. 29	3.14	June 26	3.56	Sept. 25	3.60	Dec. 26	3.25

NHn 178. Connecticut Co. Grand Ave. and Haven St. Highest water level 0.04 above msl, June 12, 1940; lowest 6.98 below msl, Oct. 28, 1947. Records available: 1939-50.

Water level below mean sea level

Jan. 25	6.07	May 29	5.97	Aug. 28	6.09	Nov. 27	6.51
Mar. 29	6.24	June 26	6.22	Sept. 25	6.35	Dec. 26	6.38
Apr. 27	6.26	July 28	5.44				

NHn 183. Frank X. Hald Storage Co. 370-376 Davenport Ave. Highest water level 5.94 above msl, Mar. 23, 1949; lowest 2.67 above msl, Dec. 3, 1941. Records available: 1940-50.

Water level above mean sea level

Jan. 25	4.34	Apr. 27	4.99	July 28	4.44	Oct. 27	4.04
Feb. 24	4.62	May 29	4.87	Aug. 28	4.32	Nov. 27	3.98
Mar. 29	4.91	June 26	4.87	Sept. 25	4.20	Dec. 26	4.14

NHn 235. C. Cowles & Co. Water and Chestnut Sts. Highest water level 1.24 above msl, May 26, 1949; lowest 3.59 below msl, Feb. 1, 1945. Records available: 1940-50.

Water level above and below mean sea level

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	+0.44	Mar. 29	+0.80	May 29	+0.55	Nov. 27	-0.82
Feb. 24	+ .82	Apr. 27	+ .62	June 26	+ .60	Dec. 26	- .95

NHn 250. I. Newman & Sons. 43 Oak St. Highest water level 4.98 above msl, Apr. 27, 1949; lowest 0.67 above msl, Sept. 25, 1947. Records available: 1940-50.

Water level above mean sea level

Jan. 25	3.97	Apr. 27	3.78	July 28	3.64	Oct. 27	3.75
Feb. 24	3.79	May 29	4.43	Aug. 28	3.15	Nov. 27	4.03
Mar. 29	3.75	June 26	4.34	Sept. 25	3.28	Dec. 26	3.58

NHn 270. Carl E. Altmann. 53 Auburn St. Highest water level 7.10 above msl, May 26, 1949; lowest 3.78 above msl, Dec. 17, 1941. Records available: 1941-50.

Water level above mean sea level

Jan. 25	4.98	Apr. 27	5.65	July 28	5.73	Oct. 27	5.20
Feb. 24	5.08	May 29	5.71	Aug. 28	5.76	Nov. 27	5.05
Mar. 29	5.62	June 26	5.83	Sept. 25	5.67	Dec. 26	4.95

New Haven County

Na 10. Naugatuck Water Co. Beacon Valley Rd., Naugatuck. Highest water level 3.90 below lsd, Mar. 30, 1948; lowest 16.45 below lsd, Oct. 24, 1947. Records available: 1946-50. Feb. 28, 15.60; Apr. 27, 14.12; June 29, 5.72; Oct. 3, 6.52.

Na 11. Naugatuck Water Co. Beacon Valley Rd., Naugatuck. Highest water level 3.86 below lsd, Mar. 30, 1948; lowest 16.64 below lsd, Oct. 24, 1947. Records available: 1946-50.

Jan. 28	16.25	Apr. 27	15.18	Aug. 30	6.35	Nov. 6	6.22
Feb. 28	16.06	June 29	5.65	Oct. 3	6.40	Dec. 1	6.23
Mar. 27	15.38	July 28	5.77				

Na 30. U. S. Rubber Co. Naugatuck Chemical Div., Naugatuck. East bank of Naugatuck River at junction of Cotton Hollow Brook, about 720 feet south of gaging station. Highest water level 0.57 above lsd, May 5, 1949; lowest 31.57 below lsd, Dec. 29, 1949. No measurement made in 1950. Records available: 1949.

Sb 1. James Fleming. Southbury. Highest water level 13.17 below lsd, June 6, 1946; lowest 21.70 below lsd, Oct. 14, 1916. Records available: 1916, 1944-50.

Jan. 28	15.26	Apr. 27	14.87	July 28	15.20	Nov. 6	16.05
Feb. 28	15.15	May 29	15.06	Aug. 30	15.65	Dec. 1	15.59
Mar. 27	14.65	June 29	15.48	Oct. 3	15.96		

Wb 1. Waterbury Ash Removal Co. Thomaston Ave., Waterbury. Highest water level 6.85 below lsd, Mar. 23, 1948; lowest 10.99 below lsd, Sept. 11, 1944. Records available: 1944-50.

Jan. 9	9.58	Apr. 15	9.19	July 7	9.88	Sept. 26	10.66
17	9.51	22	9.12	13	9.62	Oct. 5	10.70
26	9.62	May 11	9.35	21	9.87	16	10.63
Feb. 10	9.42	22	9.40	27	10.13	24	10.70
18	9.34	29	9.45	Aug. 7	10.35	Nov. 7	10.30
27	9.60	June 8	8.70	21	10.10	21	10.49
Mar. 14	8.98	13	9.10	28	10.38	Dec. 11	8.70
22	9.23	20	9.33	Sept. 12	10.54	28	9.70
Apr. 2	8.49	26	9.35	18	10.58		

Wb 93. Mrs. William Nichols, Sr. 118 Pearl Lake Road, Waterbury. Highest water level 25.28 below lsd, Mar. 30, 1948; lowest 28.39 below lsd, Aug. 29, 1944. Records available: 1944-50.

Jan. 28	27.30	Apr. 27	26.63	July 28	27.43	Nov. 6	27.90
Feb. 28	26.75	May 29	26.95	Aug. 30	27.72	Dec. 1	27.10
Mar. 27	26.33	June 29	27.15	Oct. 3	27.94		

Wb 119. James O'Connor. 947 Pearl Lake Road, Waterbury. Highest water level 2.93 below lsd, Nov. 30, 1944; lowest 13.85 below lsd, Oct. 27, 1948. Records available: 1944-50.

Wb 119--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	4.92	Apr. 27	4.42	Aug. 30	7.03	Nov. 6	5.38
Feb. 28	5.00	June 29	5.83	Oct. 3	11.02	Dec. 1	3.80
Mar. 27	4.41	July 28	6.99				

Wb 176. Mrs. Frank Bergin. 535 Scott Road, Waterbury. Highest water level 3.14 below lsd, Mar. 4, 1945; lowest 15.20 below lsd, Nov. 26, 1949. Records available: 1944-50.

Jan. 28	8.05	Apr. 27	5.27	Aug. 30	12.40	Nov. 7	14.12
Feb. 28	6.59	June 29	8.72	Oct. 3	13.94	Dec. 1	8.55
Mar. 27	4.05						

Wb 198. E. L. Bronson. Pierpont Road, Waterbury. Highest water level 5.49 below lsd, Jan. 10, 1946; lowest 21.00 below lsd, Nov. 26, 1949. Records available: 1944-50.

Jan. 28	18.07	Apr. 27	11.52	July 28	13.41	Nov. 6	18.44
Feb. 28	15.32	May 29	11.45	Aug. 30	15.00	Dec. 1	18.09
Mar. 27	13.66	June 29	12.22	Oct. 3	16.93		

Wb 336. The Bristol Co. Platts Mills Road, Waterbury. Highest water level 11.14 below lsd, May 1, 1947; lowest 20.40 below lsd, Aug. 29, 1944. Records available: 1944-50.

Jan. 28	16.40	Apr. 27	14.84	July 28	17.09	Nov. 7	18.84
Mar. 27	14.16	June 29	14.83	Oct. 3	18.75		

Wb 340. Connecticut Light & Power Co. Eagle St., Waterbury. Highest water level 15.83 below lsd, May 19, 1945; lowest 24.87 below lsd, Sept. 27, 1945. Records available: 1944-50.

Jan. 28	21.28	June 29	20.96	Aug. 30	21.34	Nov. 6	21.00
Feb. 28	21.32	July 28	21.04	Oct. 3	21.53	Dec. 1	19.74
Apr. 27	20.54						

New London County

NL 2. New London Historical Society. 11 Blinman St., New London. Highest water level 12.88 below lsd, Feb. 26, 1948; lowest 17.99 below lsd, Aug. 16, 1937. Records available: 1946-50.

Jan. 27	14.42	Apr. 26	15.02	July 27	16.48	Sept. 26	16.54
Feb. 27	13.99	May 25	13.48	Aug. 25	16.51	Oct. 27	16.45
Mar. 28	13.45						

NWH 4. A. Duch. 20 Church St., Norwich. Highest water level 5.13 below lsd, Feb. 26, 1948; lowest 14.66 below lsd, Sept. 29, 1948. Records available: 1946-50. Jan. 27, 5.24; Feb. 27, 5.20; Mar. 28, 5.18.

Tolland County

U 3. Yale University Forest. At Union. About 1.5 miles east of Morey Pond and 600 feet north of Tolland-Windham County line. Highest water level 14.60 below lsd, Mar. 29, 1948; lowest dry, Dec. 1, 1949 and Jan. 27, 1950. Records available: 1946-50.

Jan. 27	(f)	June 27	16.79	Aug. 25	20.21	Oct. 27	22.56
Mar. 28	18.95	July 27	18.86	Sept. 26	21.48	Nov. 29	22.62
Apr. 26	16.38						

f Dry.

Windham County

Af 1. Yale University Forest. At Ashford. About 1.75 miles east of Westford on Westford-Eastford road. Highest water level 3.83 below lsd, Mar. 29, 1948; lowest dry, Oct. 27, 1949. Records available: 1946-50.

Jan. 27	8.55	Apr. 26	4.85	July 27	10.11	Oct. 27	13.58
Feb. 27	6.96	May 25	4.60	Aug. 25	11.92	Nov. 29	11.55
Mar. 28	4.13	June 27	7.03	Sept. 26	12.71		

Pl 1. W. P. Lewis. Pleasant St., Plainfield. Highest water level 28.10 below lsd, Apr. 27, 1948; lowest 31.72 below lsd, Feb. 3, 1944. Records available: 1942-50.

Jan. 27	30.93	Apr. 26	29.51	July 27	30.10	Sept. 26	30.97
Feb. 27	30.36	May 25	29.60	Aug. 10	30.38	Oct. 27	31.46
Mar. 28	29.91	June 27	29.40	25	30.59	Nov. 29	31.49

Wil 1. American Thread Co. 322 Main St., Willimantic. Highest water level 5.45 below lsd, Mar. 29, 1948; lowest 8.90 below lsd, Oct. 27, 1947. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	7.23	Apr. 26	6.53	July 27	7.50	Oct. 27	7.74
Feb. 27	6.55	May 25	6.38	Aug. 25	7.68	Nov. 29	7.21
Mar. 28	5.94	June 27	6.85	Sept. 26	7.85		

DELAWARE

By G. E. Andreassen

Scope of Water-Level Program

Two observation wells S1 and S2 (now identified as Ni 1 and Ni 2, respectively) were established in 1943 at Fort Miles, and a third observation well S 3 (now identified as Ni 3) in the new Lewes well field was established in 1947. In February 1950 the Geological Survey in cooperation with the University of Delaware and the Delaware State Highway Department began an investigation of the ground-water resources of the State. Under the new cooperative agreement, 16 observation wells were established. (See fig. 2.) Twelve of the wells were constructed of 1-inch steel pipe with a 2-foot drive-point screen and range in depth from 8 feet to 27 feet. The water levels in these shallow wells ranged from 1 to 20 feet below land surface, at the time they were driven. Each of the 12 wells was enclosed with a cement collar and the exposed pipe was painted bright yellow. Three wells (Ca 3, Cd 2 and Ni 3) are equipped with recording gages. Two observation wells have been maintained by the Department of Agriculture, Soil Conservation Service.

Interpretation of Water-Level Fluctuations

The annual summary of climatological data prepared by the U. S. Weather Bureau shows that the average precipitation for Delaware was 39.64 inches in 1950, which is 4.27 inches below the 56-year average.

Measurements were started on 13 of the observation wells in the fall of 1950, hence, too few measurements were made for analysis of trend. The changes during these 3 months ranged from less than 1 foot to 3 feet. In well Ni 3 the water level fluctuated daily about 1 to 3 feet from May to December in response to pumping. The water-level measurements made during 1947 and 1948 reflect periodic pumping of the Lewes well field.

Figures 3 and 4 show graphs of water-level fluctuations in wells Rf 1 and Rf 2 (identified as "Collins A" and "Collins B" by the Soil Conservation Service) and precipitation from July 1947 through December 1950. The observation wells and rain gage were set up on the Collins farm, Pocomoke River drainage basin, Gumboro, as part of a study of rainfall and water tables. The years 1947, 1949, and 1950 were years of below-normal precipitation during which the water table was gradually lowered. The year 1948, however, was an exceedingly wet year with a total average precipitation of 59.98 inches, some 16 inches above average. During this year of high water levels, water-table response to rainfall was rapid and very pronounced. These graphs show how near the water table is to the land surface, especially during wet seasons. Much of the land, particularly in central and southern Delaware, is too wet to work during part of the planting or growing season.

Monthly pumpage records for the city of Newark show erratic pumping. However, the water level in Ca 3 rose during the months of August and September when the pumping was at its lowest. Newark's water supply was supplemented by water purchased from the Delaware Water Company, so that the true seasonal variations in water level are absent.

Records for the city of New Castle show increase of pumpage for the year. The amount of water pumped increased from about 13 million gallons per month at the beginning of the year to over 20 million gallons per month at the close of the year. Water levels declined about 2 feet during the year as a result of the increased pumping.

Well-Numbering System

The State of Delaware is divided into 5-minute quadrangles of latitude and longitude. To designate the wells, the quadrangles are lettered north to south with upper-case letters and west to east with lower-case letters. A quadrangle is indicated by two letters with the capital letter being given first. Within the quadrangles the wells are numbered in the order they were scheduled.

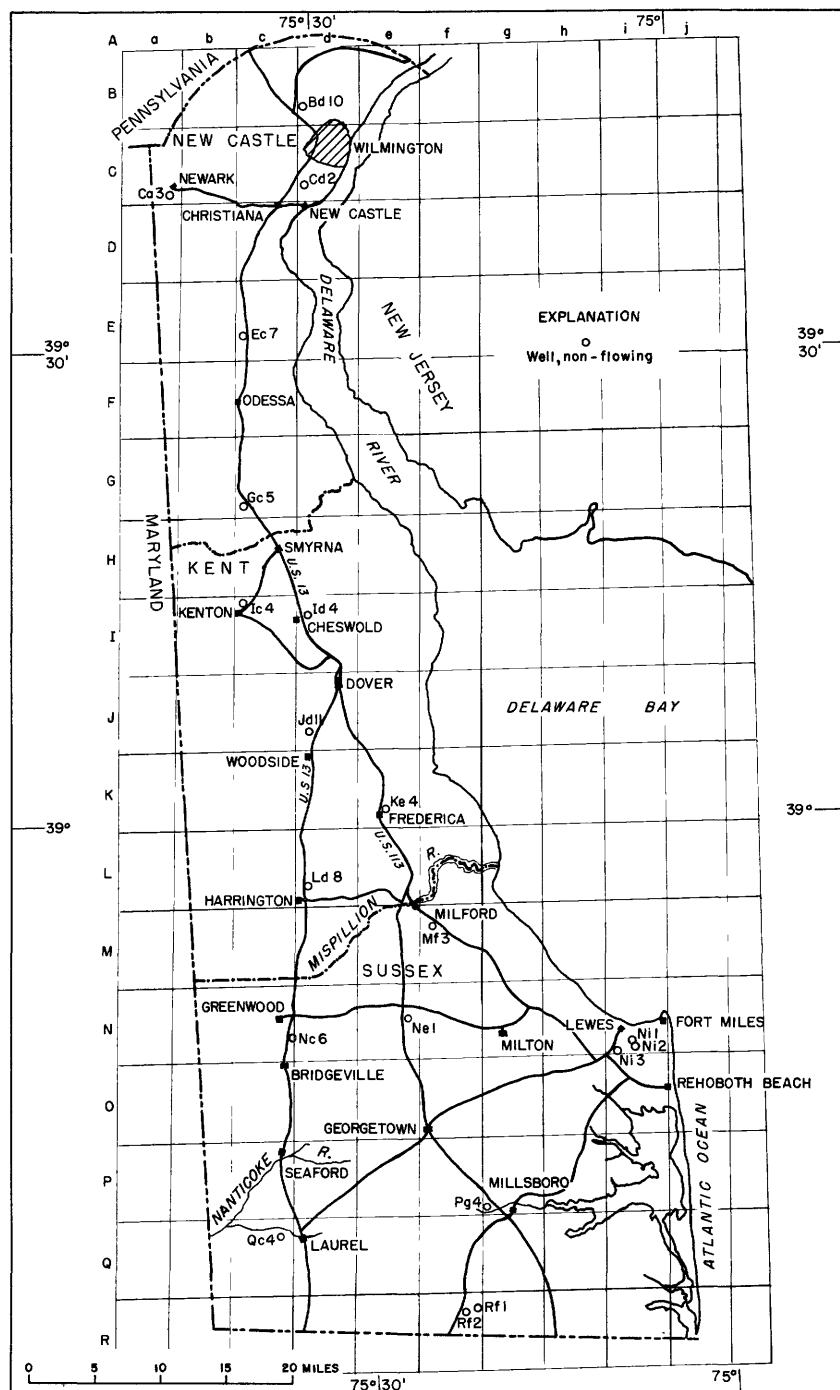
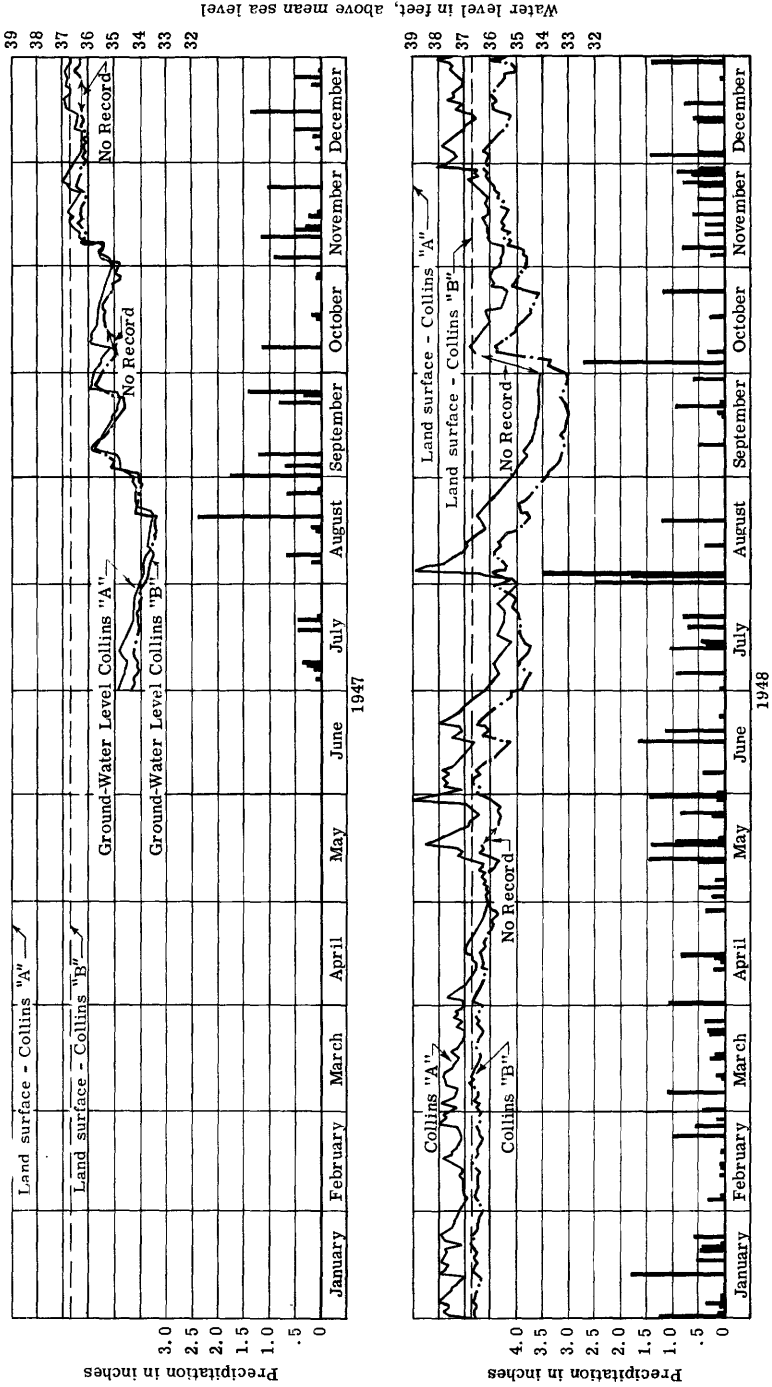


Figure 2.--Location of observation wells in Delaware, 1950.



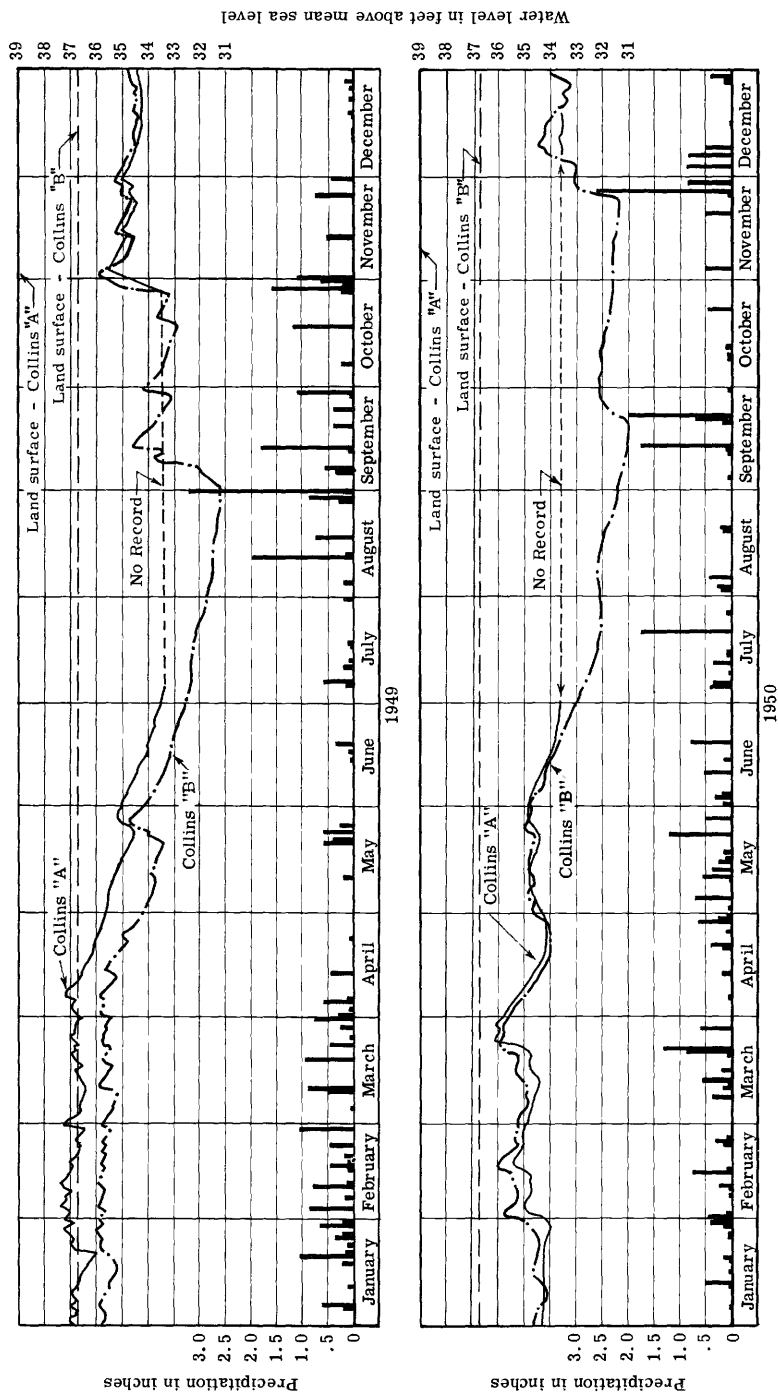


Figure 4. --Fluctuations of water levels in two wells at Collins farm and precipitation at Gumboro, Del., 1949 and 1950.

Well Descriptions and Water-Level Measurements

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

Kent County

Ic 4. State Highway Department. 0.75 miles northeast of Kenton on northwest side of State Highway 300. Driven observation well, depth 12 feet. Records available: 1950. Oct. 9, 5.31; Oct. 27, 5.35; Dec. 1, 4.75.

Id 4. State Highway Department. Near Cheswold, on east side of U. S. Highway 13, 0.4 mile south of intersection of State Highway 42. Driven observation well, depth 14 feet. Records available: 1950. Oct. 10, 8.61; Oct. 26, 7.99; Dec. 1, 6.74.

Jd 11. State Highway Department. Near Camden, on west side of U. S. Highway 13, 1 mile south of intersection of State Highway 10. Driven observation well, depth 15 feet. Records available: 1950. Oct. 10, 8.61; Oct. 27, 8.81; Dec. 1, 8.63.

Ke 4. State Highway Department. Near Frederica, on east side of U. S. Highway 13, 0.9 mile north of intersection of State Highway 12. Driven observation well, depth 17 feet. Records available: 1950. Oct. 10, 12.61; Oct. 27, 12.81; Dec. 1, 12.89.

Ld 8. State Highway Department. On north side of Harrington-Frederica County road, 300 feet northeast of intersection of U. S. Highway 13. Driven observation well, depth 13 feet. Records available: 1950. Oct. 10, 6.32; Oct. 30, 6.91; Dec. 1, 6.36.

New Castle County

Bd 10. F. B. Crowninshield. 0.45 mile northeast of intersection of Buck Rd. and State Highway 100. Dug well, depth 23 feet. Records available: 1950. Aug. 24, 15.19; Oct. 9, 14.99; Oct. 27, 14.93; Dec. 1, 13.73.

Ca 3. City of Newark. In Newark, southeast of intersection of Academy St. and Water Works Lane. Drilled unused well, diameter 8 inches, depth 67 feet. Records available: 1950.

Daily high and low water levels in feet from recorder graph

Day	April		May		June		July	
	High	Low	High	Low	High	Low	High	Low
1	.....	.....	29.49	30.34	31.02	31.80	31.59	32.11
2	.....	.....	29.63	30.36	31.28	31.97	31.55	32.13
3	.....	.....	29.82	30.47	31.15	31.97	31.03	31.93
4	.....	.....	29.78	30.35	31.16	31.88	31.03	31.76
5	.....	.....	30.35	31.19	30.63	31.37	30.75	31.45
6	.....	.....	30.49	31.31	30.40	31.36	31.00	31.51
7	.....	.....	30.64	31.38	30.92	31.63	31.03	31.71
8	.....	.....	30.56	31.45	31.15	31.77	31.20	31.77
9	.....	.....	30.89	31.60	30.95	31.76	30.90	31.74
10	.....	.....	31.00	31.75	30.74	31.59	30.67	31.42
11	.....	.....	30.93	31.68	30.73	31.47	30.65	31.42
12	.....	.....	31.22	31.88	30.23	31.25	30.74	31.57
13	.....	.....	.....	.....	30.53	31.25	30.98	31.83
14	.....	.....	31.42	32.03	30.43	31.23	31.27	31.93
15	.....	.....	31.23	31.97	30.73	31.35	31.33	31.94
16	.....	.....	31.35	32.00	30.48	31.25	30.97	31.59
17	.....	.....	31.48	32.19	30.44	31.15	30.73	31.67
18	.....	.....	31.71	32.30	30.35	31.01	31.11	31.68
19	.....	.....	31.67	32.33	29.99	30.93	31.07	31.69
20	.....	.....	31.61	32.26	30.29	30.97	31.22	31.85
21	30.06	30.68	31.55	32.21	30.31	30.97	31.36	31.97
22	30.10	30.70	31.20	32.07	.....	.....	31.33	32.05
23	30.07	30.73	31.39	32.11	.....	.....	30.59	31.41
24	29.81	30.55	31.32	31.90	.....	.....	29.93	30.79
25	29.93	30.57	31.28	31.98	.....	.....	30.17	30.86
26	30.14	30.61	31.45	32.13	.....	31.58	30.10	30.83
27	29.93	30.59	31.53	32.23	31.13	31.72	30.01	30.75
28	29.60	30.45	31.51	32.21	31.28	31.97	30.28	31.00
29	29.91	30.43	31.01	31.88	31.47	32.06	30.53	31.08
30	29.73	30.48	31.08	31.77	31.43	32.05	30.11	31.00
31	.....	.....	30.75	31.79	.....	.....	29.91	30.65

Ca 3--Continued.

Daily high and low water levels, in feet, from recorder graph

Day	August		September		October		November		December	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	29.76	30.55	29.26	29.98	31.41	32.03	32.51	33.00	32.86	33.28
2	29.94	30.66	28.99	29.76	31.25	31.91	32.61	33.08	32.92	33.38
3	29.95	30.71	28.63	29.60	31.47	32.00	32.63	33.09	32.54	33.15
4	29.82	30.63	28.12	28.69	31.61	32.15	32.67	33.15	32.52	33.02
5	29.92	30.67	28.04	28.79	31.69	32.25	32.45	33.10	32.73	33.13
6	29.56	30.26	28.13	28.87	31.72	32.29	32.21	32.79	32.79	33.25
7	29.18	30.12	28.15	28.81	31.82	32.36	32.49	32.99	32.81	33.25
8	29.51	30.13	28.09	28.82	31.54	32.26	32.56	33.03	32.68	33.17
9	29.46	30.11	28.13	28.88	31.06	31.85	32.52	33.00	32.60	33.07
10	29.38	30.03	27.82	28.61	31.56	32.21	32.67	33.07	32.37	32.84
11	29.23	29.89	27.75	28.87	31.76	32.31	32.68	33.11	32.06	32.69
12	29.32	30.00	28.36	29.27	31.88	32.45	32.53	33.11	32.39	32.93
13	29.31	30.03	28.83	29.44	31.98	32.52	32.17	32.85	32.41	32.93
14	28.82	29.55	.....	29.72	31.99	32.55	32.54	33.00	32.64	33.15
15	29.15	29.80	29.20	29.94	31.78	32.42	32.62	33.09	32.72	33.20
16	29.32	30.00	29.49	30.35	31.49	32.20	32.70	33.16	32.68	33.16
17	29.36	30.07	29.77	30.45	31.83	32.43	32.68	33.12	32.57	33.09
18	29.25	29.97	29.43	30.43	31.97	32.51	32.74	33.18	32.13	32.75
19	29.19	29.93	29.93	30.72	32.06	32.59	32.50	33.29	32.22	32.73
20	28.98	29.79	30.03	30.75	32.15	32.66	32.50	33.05	32.13	32.77
21	28.67	29.45	29.89	30.62	32.26	32.74	32.74	33.25	32.42	32.84
22	28.89	29.59	30.01	30.73	31.96	32.75	32.96	33.37	32.21	32.75
23	28.89	29.64	30.17	31.00	31.81	32.45	32.38	33.20	31.97	32.51
24	28.91	29.63	30.40	31.13	32.09	32.63	32.23	32.68	31.75	32.26
25	28.83	29.59	30.39	31.15	32.27	32.79	32.22	32.68	31.68	32.14
26	28.88	29.63	30.71	31.43	32.41	32.91	32.15	32.58	31.55	32.26
27	28.91	29.66	30.94	31.59	32.51	33.00	32.03	32.73	31.87	32.37
28	28.63	29.43	31.08	31.71	32.48	32.97	32.36	32.95	32.04	32.49
29	28.83	29.55	31.26	31.95	32.30	32.85	32.61	33.09	31.72	32.31
30	28.96	29.73	31.43	32.03	31.70	32.47	32.75	33.17	31.50	32.25
31	29.23	29.98	.....	.....	32.25	32.80	.....	.....	31.92	32.41

Cd 2. City of New Castle. On west side of Wilmington St. about 2 miles south of Delaware Memorial Bridge approach. Dug unused well, size 12 by 13 feet, depth 23 feet. Records available: 1950.

Daily high and low water levels in feet, below msl, from recorder graph

Day	March		April		May		June		July	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	....	.....	8.17	9.86	8.03	9.87	7.88	10.49	9.19	10.93
2	....	.....	7.62	9.41	8.12	10.01	8.51	10.63	8.60	9.98
3	....	.....	7.27	9.56	8.48	10.11	8.95	10.44	8.26	10.09
4	....	.....	7.99	9.93	8.30	10.26	8.06	10.19	8.32	9.92
5	....	.....	8.15	9.89	8.50	10.27	7.69	9.87	8.16	10.66
6	....	.....	8.16	.....	8.46	10.10	8.42	10.54	8.51	10.61
7	....	.....	.....	.....	8.04	9.44	8.99	10.91	8.43	10.69
8	....	.....	.....	.....	7.74	9.81	9.12	10.96	8.62	10.32
9	....	.....	.....	.....	8.11	9.96	8.93	11.20	8.39	9.89
10	....	.....	.....	.....	8.16	10.09	9.83	11.02	7.99	10.01
11	....	.....	8.60	10.09	8.29	10.19	8.60	10.20	8.39	10.93
12	....	.....	8.44	10.05	8.45	10.22	9.22	10.42	8.83	11.28
13	....	.....	8.48	10.11	8.36	10.14	9.77	11.11	9.26	10.56
14	....	.....	9.93	11.16	7.89	9.68	9.01	10.73	9.78	11.93
15	....	.....	9.31	10.76	7.63	9.54	9.14	10.79	9.69	11.19
16	....	.....	8.70	10.74	7.87	9.91	9.22	10.78	9.06	10.81
17	....	.....	8.15	10.05	8.26	10.10	9.31	10.70	8.70	11.16
18	....	.....	8.85	10.54	8.56	10.22	8.53	10.32	9.67	11.81
19	....	.....	8.96	10.59	8.52	10.09	8.12	10.08	10.12	11.89
20	....	.....	8.68	10.52	8.19	9.84	8.35	10.74	9.76	11.79
21	....	.....	8.77	10.42	7.84	9.34	8.81	11.15	9.20	11.94
22	....	.....	8.64	10.39	7.59	9.66	9.13	11.36	10.54	12.08
23	....	.....	8.23	9.79	8.06	9.84	9.44	11.62	9.34	11.45
24	9.19	10.54	8.03	10.04	8.10	9.89	9.82	11.35	8.86	11.04
25	8.76	10.47	8.36	10.14	8.29	10.06	8.94	10.63	9.19	11.59
26	8.47	10.01	8.16	11.09	8.44	10.17	8.59	11.19	10.14	11.69
27	8.12	10.16	8.97	11.14	8.51	10.08	9.04	11.44	10.04	11.92
28	8.29	10.19	8.97	10.64	8.10	9.54	9.27	10.86	10.22	11.96
29	8.36	10.16	8.94	10.36	7.77	9.53	9.23	11.24	10.01	11.75
30	8.45	10.26	8.24	9.72	7.87	9.49	9.21	11.15	9.39	11.49
31	8.28	10.12	.....	.....	7.69	9.62	.....	.....	9.26	11.79

Cd 2--Continued.

Daily high and low water levels in feet, below msl, from recorder graph

Day	Aug.		Sept.		Oct.		Nov.		Dec.	
	High	Low	High	Low	High	Low	High	Low	High	Low
1	9.75	13.09	9.24	11.82	9.06	10.69	9.32	11.24	10.70	12.20
2	9.91	11.82	9.88	11.74	8.72	11.10	9.36	11.45	10.86	11.86
3	9.86	11.42	8.86	10.80	9.18	11.29	9.68	11.48	9.81	11.61
4	9.62	11.27	8.44	10.43	9.49	11.40	.....	.....	9.14	11.14
5	9.46	12.34	8.59	11.12	9.35	11.43	.....	.....	10.16	11.69
6	8.89	10.54	9.09	11.42	9.47	11.69	.....	.....	10.64	11.89
7	8.62	10.36	9.45	12.01	9.56	11.31	.....	11.43	10.76	12.14
8	8.92	10.74	9.76	12.16	8.90	10.49	9.40	11.33	10.62	11.96
9	5.14	10.87	.....	12.81	8.63	10.82	9.46	11.49	10.49	11.79
10	10.37	11.21	10.06	12.04	8.91	11.10	9.49	11.42	10.26	11.44
11	9.69	11.24	9.65	12.09	9.20	11.34	9.50	11.25	10.14	11.64
12	9.33	11.09	10.52	12.43	9.34	11.34	9.09	10.97	10.21	11.70
13	8.81	10.36	10.24	12.40	9.44	11.50	8.78	11.20	10.44	11.81
14	8.66	11.22	10.52	12.34	9.61	11.26	9.28	11.36	10.63	11.97
15	9.74	11.14	10.68	12.33	8.91	10.62	9.39	11.31	10.59	11.99
16	9.54	10.91	10.56	12.09	8.56	10.89	9.44	11.77	10.61	11.72
17	9.91	11.14	9.65	11.44	9.01	11.25	9.78	11.64	10.22	11.52
18	9.61	10.89	9.09	11.44	9.26	11.18	9.73	11.55	10.19	11.79
19	9.25	10.74	9.52	11.94	9.26	11.46	9.19	11.16	10.54	11.92
20	8.81	10.34	9.89	12.05	9.64	10.52	8.82	11.06	10.82	12.12
21	8.63	10.45	9.97	11.97	9.59	11.44	8.96	11.89	10.79	12.03
22	9.01	10.47	9.67	11.66	9.16	10.96	10.37	11.94	10.94	12.11
23	8.91	10.59	9.56	11.67	8.94	11.16	9.99	11.96	10.79	11.86
24	8.72	10.64	9.06	10.61	9.26	11.37	9.59	11.64	9.53	11.61
25	9.50	10.84	8.54	10.82	9.60	11.54	9.59	11.39	9.27	11.11
26	9.61	11.02	8.94	11.19	9.59	11.62	9.09	11.08	8.97	10.96
27	9.06	10.52	9.24	11.23	9.68	11.49	8.76	11.83	10.02	11.49
28	8.96	10.72	9.55	11.61	8.45	11.14	8.92	11.23	9.55	11.60
29	9.32	10.96	9.77	11.66	8.84	10.54	9.26	11.49	9.96	11.57
30	9.47	11.04	9.66	11.39	8.29	10.87	10.56	11.82	10.12	11.57
31	9.59	11.02			9.16	11.24			9.61	11.59

Ec 7. State Highway Department. On west side of U. S. Highway 13, 1.5 miles south of St. Georges bridge. Driven observation well, depth 11 feet. Records available: 1950. Oct. 9, 2.00; Oct. 27, 2.22; Dec. 1, 2.12.

Gc 5. State Highway Department. Near Blackbird, on west side of U. S. Highway 13, 2.5 miles south of intersection of State Highway 71. Driven observation well, depth 10 feet. Records available: 1950. Oct. 9, 2.42; Oct. 26, 2.16; Dec. 1, 1.82.

Sussex County

Mf 3. State Highway Department. On south side of State Highway 14, 2.1 miles south-east of intersection with State Highway 36. Driven observation well, depth 27 feet. Records available: 1950. Oct. 11, 20.34; Oct. 31, 19.71; Dec. 1, 20.87.

Nc 6. P. H. Cannon. On east side of U. S. Highway 13, 2.0 miles south of intersection of State Highway 16. Driven observation well, depth 15 feet. Records available: 1950. Oct. 10, 9.29; Oct. 31, 9.52; Nov. 30, 9.22; Dec. 26, 9.08.

Ne 1. State Highway Department. On east side of U. S. Highway 113, 1.2 miles south of intersection of State Highway 16. Driven observation well, depth 14 feet. Records available: 1950. Oct. 11, 5.69; Oct. 31, 6.23; Nov. 30, 4.10; Dec. 26, 3.30.

Ni 1 (Formerly S-1). U. S. War Department, Fort Miles test well 1. Measurement discontinued.

Ni 2 (Formerly S-2). U. S. War Department, Fort Miles test well 2. Measurement discontinued.

Pg 4. State Highway Department. Near Millsboro, on north side of State Highway 20, 380 feet from intersection of U. S. Highway 113. Driven observation well, depth 22 feet. Records available: 1950. Oct. 11, 16.45; Oct. 31, 16.61; Nov. 30, 16.65; Dec. 26, 15.58.

Qc 4. State Highway Department. On north side of Laurel-Bethel Road, 2.5 miles from intersection of U. S. Highway 13 and State Highway 24. Driven observation well, depth 8 feet. Records available: 1950. Sept. 12, 2.30; Oct. 10, 2.41; Oct. 30, 2.60; Nov. 30, 2.73; Dec. 26, 2.77.

Rf 1 (identified as "Collins A" by Soil Conservation Service). Harvey Collins. On north side of Gumboro-Selbyville road, 1.3 miles east of Gumboro and 800 feet from road. Driven observation well, diameter 12 inches, depth 6 feet. Land-surface datum is 39.0 feet above msl. Records available: 1947-50. (See figs. 3 and 4.)

Rf 2 (identified as "Collins B" by Soil Conservation Service). Harvey Collins. 250 feet north of Gumboro-Selbyville road, 1 mile east of Gumboro. Driven observation well, diameter 12 inches, depth 9 feet. Land-surface datum is 36.7 feet above msl. Records available: 1947-50. (See figs. 3 and 4.)

Ni 3. Town of Lewes. On north side of Kings Highway, 1.5 miles southwest of Lewes. Drilled well, diameter 6 inches, depth 84 feet. Records available: 1947-48, 1950.

Daily high and low water levels from recorder graph

Day	May		June		July		Aug.	
	High	Low	High	Low	High	Low	High	Low
1	15.54	16.45	16.17	19.81
2	15.44	16.15	15.95	18.47
3	15.40	16.33	15.79	17.78
4	15.50	16.25	15.81	18.25
5	15.63	16.28	16.07	18.82
6	15.35	18.16	15.52	16.09	.....	.....
7	17.86	18.55	15.56	16.18	15.56	16.87
8	17.99	18.38	15.54	16.43	15.62	16.29
9	18.16	18.58	15.37	16.14	15.87	18.26
10	18.13	18.49	15.43	16.31	15.91	18.49
11	18.09	18.32	15.61	16.55	15.97	18.41
12	17.98	18.42	15.54	16.32	16.00	18.71
13	18.26	18.64	15.67	16.36	15.80	18.34
14	18.15	18.14	15.66	16.29	15.97	18.97
15	18.16	18.52	15.72	16.88	16.33	18.83
16	18.10	18.48	.....	.....	16.16	18.82
17	17.98	18.55	15.70	16.43	16.07	18.49
18	18.20	18.41	15.73	17.68	16.05	19.01
19	18.16	18.34	15.92	16.73	16.41	18.63
20	18.24	18.66	15.92	18.25	.....	.....
21	18.22	18.81	15.88	16.53	15.90	18.36
22	18.29	18.76	15.94	18.38	16.08	18.35
23	18.30	18.71	15.77	17.80	16.34	18.70
24	15.01	15.60	17.25	18.96	15.90	18.71	16.50	18.74
25	15.95	18.63	15.91	18.04	16.47	18.94
26	15.61	16.35	15.87	18.38	16.33	18.68
27	15.16	15.57	15.51	16.86	16.14	18.38	16.15	18.63
28	15.49	16.65	16.12	18.08	16.20	18.60
29	15.37	16.98	16.04	18.35	16.31	18.58
30	15.43	16.46	15.97	18.48	16.33	18.65
31	16.09	18.48	16.57	19.05

Daily high and low water levels from recorder graph

Day	Sept.		Oct.		Nov.		Dec.	
	High	Low	High	Low	High	Low	High	Low
1	17.34	18.76	16.43	18.73	.....	.....	15.10	17.33
2	16.47	19.72	16.35	19.13	.....	.....	15.16	17.30
3	16.34	19.11	16.64	18.93	16.30	18.72	15.07	17.22
4	.....	.....	16.45	18.87	16.50	18.83	14.98	17.14
5	.....	.....	.....	.....	16.39	18.69	14.94	17.52
6	16.17	.....	.....	.....	16.48	18.82	16.23	18.15
7	16.15	19.55	16.55	.....	16.59	18.75	16.06	18.18
8	16.44	18.97	16.43	18.64	16.59	19.90	15.94	18.11
9	16.54	18.88	16.30	18.55	16.65	18.85	16.04	17.76
10	16.55	18.74	16.45	18.97	.....	.....	15.96	17.99
11	16.12	18.74	16.30	18.98	.....	.....	15.72	18.00
12	16.19	19.20	16.31	18.85	.....	.....	15.99	18.19
13	16.40	19.00	16.38	18.81	16.30	18.46	16.00	18.07
14	16.38	19.20	16.31	18.89	16.18	18.59	.....	18.97
15	16.31	19.13	.....	.....	16.10	18.30	15.99	17.97
16	16.62	19.04	16.43	18.87	16.14	18.53	16.00	17.95
17	16.17	18.87	16.30	17.87	16.17	18.45	16.06	18.06
18	16.17	18.65	16.34	18.40	16.11	18.06	15.98	18.09
19	16.35	19.07	16.34	18.79	16.10	18.27	16.00	18.29
20	16.38	18.84	16.26	18.69	16.11	18.57	15.99	17.51

Ni 3--Continued.

Daily high and low water levels from recorder graph

Day	Sept.		Oct.		Nov.		Dec.	
	High	Low	High	Low	High	Low	High	Low
21	16.13	18.72	16.22	18.79	16.71	18.70	.....	.....
22	16.08	18.79	16.30	18.61	16.46	18.61	.....	.....
23	16.20	18.65	16.31	18.52	16.36	18.58	.....	.....
24	16.37	18.98	16.22	18.55	16.28	18.57	.....	.....
25	16.25	18.73	16.23	18.21	15.81	18.47	.....	.....
26	16.34	18.83	16.26	18.70	15.73	18.18	.....	.....
27	.....	19.18	16.35	18.44	15.78	18.22	16.21	18.49
28	16.69	19.10	16.40	18.73	15.27	18.33	16.17	18.24
29	16.25	18.55	16.36	18.75	15.03	17.33	16.10	18.26
30	16.16	18.75	16.46	18.64	15.04	17.24	16.11	18.31
31			.....	.....			16.03	17.92

INDIANA

By B. W. Swartz and F. C. Mikels

Scope of Water-Level Program

The observation well program in Indiana was continued in 1950 in cooperation with the State Department of Conservation, Division of Water Resources. Measurements were made in 171 wells, 40 of which were equipped with recording gages. Figure 5 shows the location of observation wells in Indiana.

A report entitled "Ground-water resources of Noble County, Indiana" by R. W. Stallman and F. H. Klaer, Jr., of the U. S. Geological Survey was published in mimeographed form as Bulletin 5 of the Indiana Department of Conservation, Division of Water Resources. Field investigations of ground-water resources were continued in Adams and Starke Counties.

Precipitation

The average precipitation for the State as a whole during 1950 was 54.28 inches, 15.05 inches above the normal used by the U. S. Weather Bureau and the heaviest recorded for the 64-year period of record. All months except March, May, October, and November received above-normal precipitation. The month of January was the wettest month of the year and the wettest January of record, the precipitation of 10.23 inches being about three times the normal amount. The driest month of the year was October with only 1.46 inches of precipitation.

Interpretation of Water-Level Fluctuations

Water levels in observation wells in Indiana generally reached their low stages during 1949 in September or October and by January 1, 1950 had risen several feet above these low stages. Water levels continued to rise from January through April with most wells having reached their highest stage for the year by the end of April. Due to the above-normal precipitation during the period of January through April, 68 wells reached their highest stages of record. From May to August water levels generally declined, 51 wells reaching their lowest levels of the year in August. The general trends of water levels in September and October were not consistent, some wells continuing the decline while others were rising. However, excessive precipitation in November caused most water levels to rise and by the end of December, the general trend in nearly all wells was upward.

The graphs of water levels in three wells are shown in figure 6. These wells are unaffected by pumping and reflect natural fluctuations in water levels. All three of these wells reached their highest stages of record during the first 3 months of 1950 and remained well above their average monthly water levels for the rest of the year. Water levels in the downtown area of Indianapolis continued to show a generally rising trend, as shown by the graphs of water levels of two wells in figure 7. The high levels in both wells during 1950 were the highest levels for the period of record. The low levels during 1950 were more than 20 feet higher than the lowest levels for the period of record.

The net changes in water levels in observation wells are given in the table on page 25. Of the 147 wells for which records are available, 96 wells showed net rises, 50 wells showed net declines, and 1 well showed no change.

Acknowledgments

Measurements of water level in 72 wells were made by voluntary observers whose names appear in the well descriptions of this report. Four wells in Clark and Floyd Counties were measured in connection with the Louisville, Ky. ground-water investigation.

Well-Numbering System

Observation wells are listed alphabetically by counties and numerically within each county.

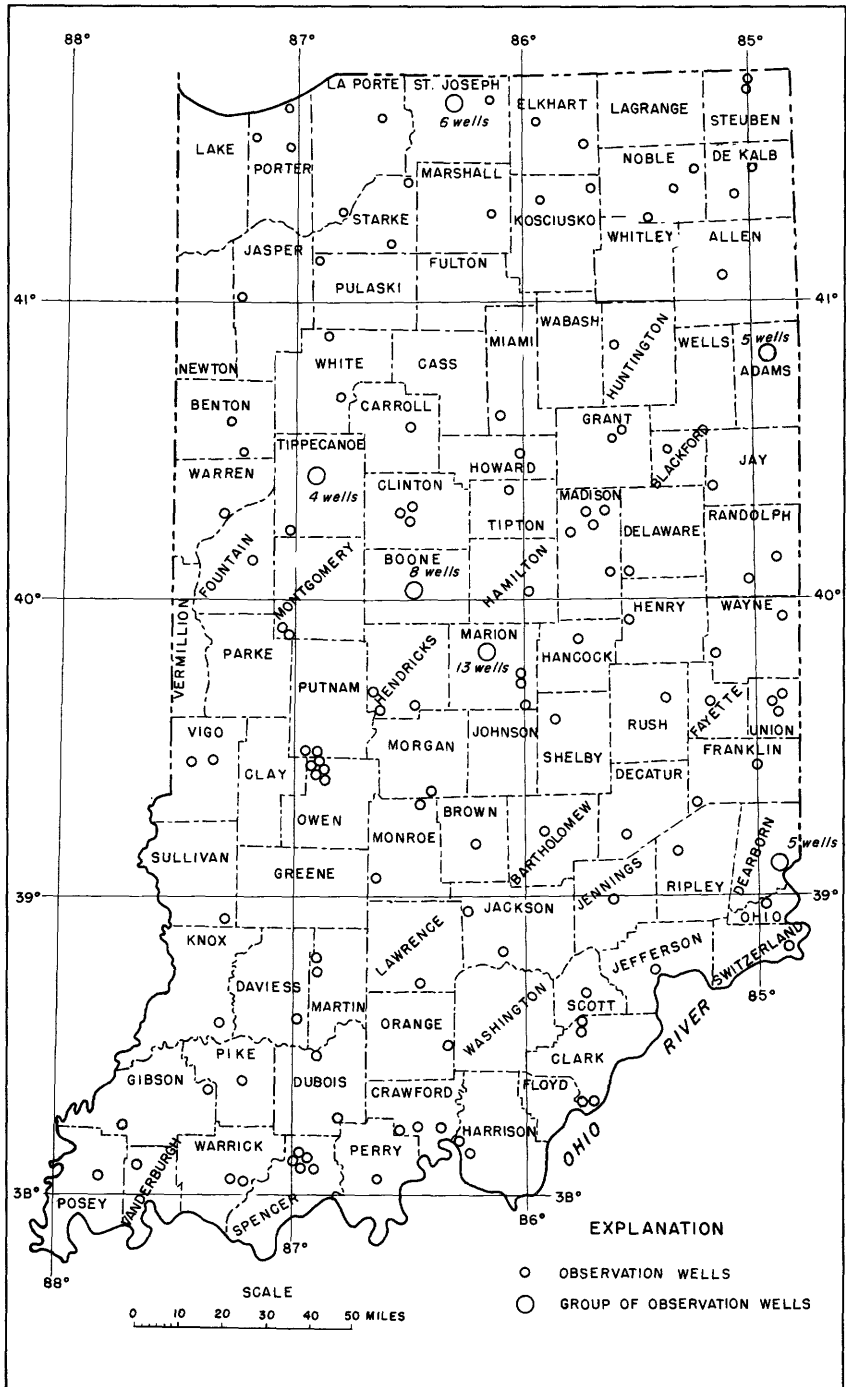


Figure 5. --Location of observation wells in Indiana, 1950.

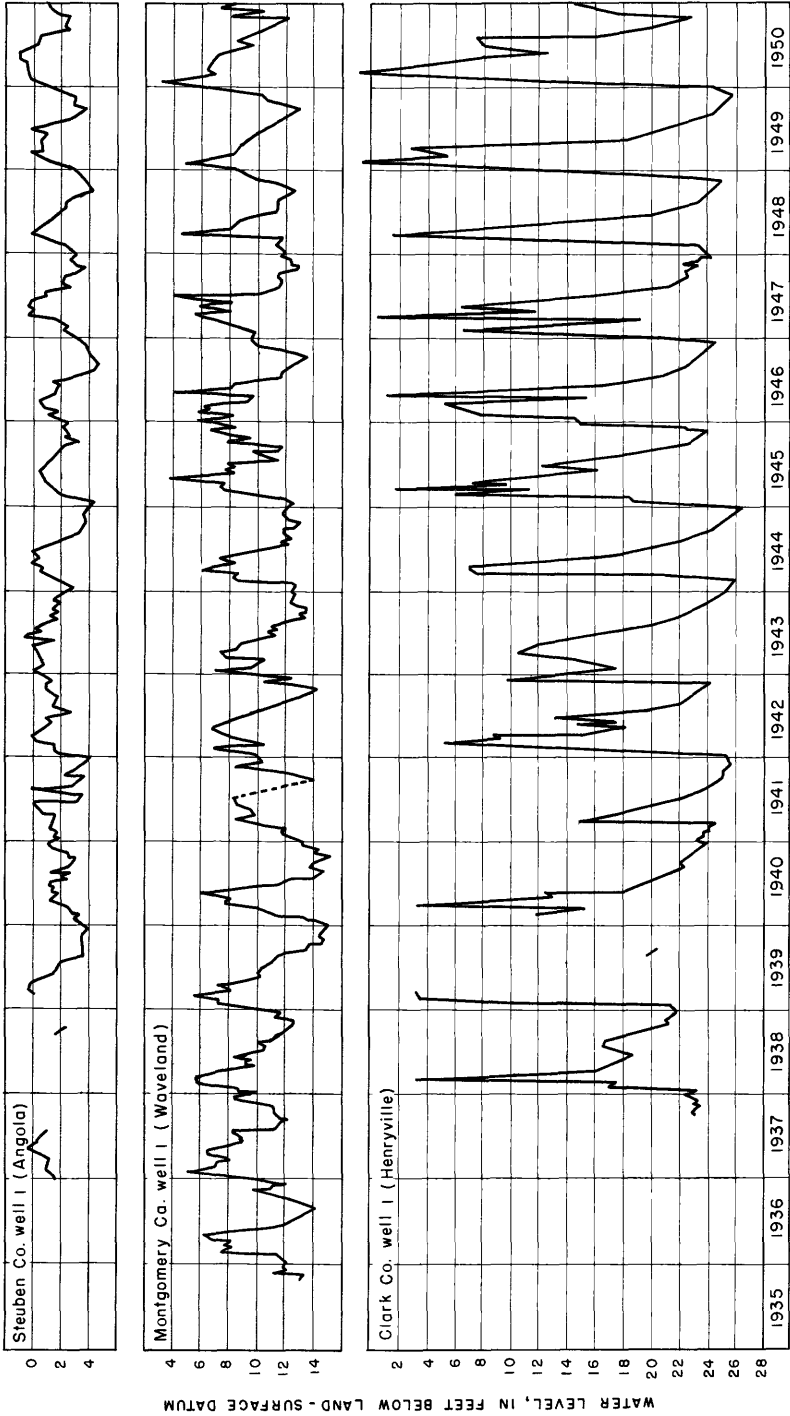


Figure 6. --Water levels in wells Steuben 1, Montgomery 1, and Clark 1, 1935-1950.

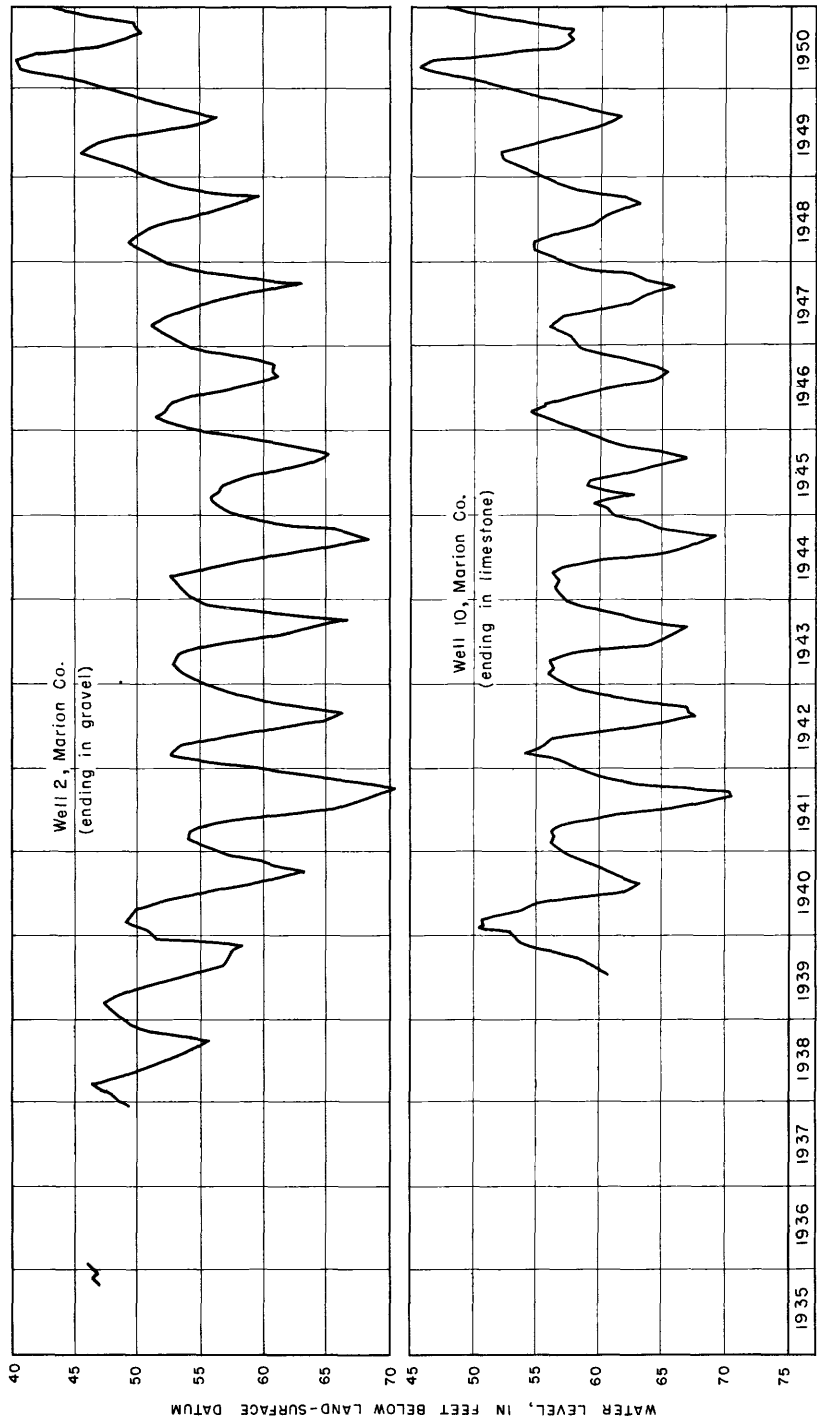


Figure 7. --Water levels in wells Marion 2 and 10 in downtown area of Indianapolis, 1935 - 1950.

Water levels in observation wells in Indiana, 1950

Well	Date of first measurement	Lowest water level		Highest water level	
		Water level	Date	Water level	Date
Adams 1	May 27, 1944	a55.90	Nov. 10, 1945	37.17	Apr. 21, 1950
Adams 2	June 23, 1945	a83.71	July 13, 1946	33.97	Apr. 15, 1950
Adams 3	Apr. 9, 1947	29.65	Oct. 21, 1948	20.30	Feb. 14, 1950
			Nov. 2, 1948		
Adams 4	Jan. 19, 1950	a35.81	July 31, 1950	24.65	Feb. 18, 1950
Adams 5	Jan. 13, 1950	a27.15	July 9, 1950	14.20	Jan. 13, 1950
Allen 3	May 25, 1944	a12.72	Sept. 6, 1946	4.62	Apr. 8, 1950
Bartholomew 2	Dec. 3, 1948	15.77	Dec. 10, 11, 1949	9.49	Feb. 18, 1950
Benton 1	May 25, 1944	a49.1	Nov. 4, 1949	37.38	June 1, 1944
Benton 2	May 25, 1944	20.80	Nov. 9, 1950	5.02	Jan. 21, 1949
Blackford 1	Sept. 27, 1945	7.98	Dec. 28, 1946	(b)	Jan. 15, 1949
Boone 2	Oct. 15, 1935	12.09	Sept. 30, 1949	2.00	Apr. 6, 1948
Boone 4	May 24, 1945	a74.30	Sept. 23, 1949	23.4	Apr. 30, 1950
Boone 10	Oct. 26, 1945	a53.50	Aug. 15, 1947	13.59	May 10, 1946
Boone 11	Oct. 26, 1945	a53.42	Aug. 8, 1947	18.18	Mar. 15, 1946
Boone 12	Oct. 26, 1945	a33.73	Sept. 29, 1948	15.57	May 5, 1950
Boone 13	Oct. 26, 1945	a15.70	Jan. 10, 1950	2.33	Apr. 14, 1948
Boone 14	Oct. 26, 1945	a51.09	Aug. 5, 1949	31.85	Apr. 14, 1950
Boone 16	Sept. 17, 1946	11.00	Nov. 1, 1948	.04	Mar. 27, 1950
Brown 3	Dec. 8, 1936	9.84	Nov. 2, 1947	+3	Feb. 2, 1943
Carroll 1	Sept. 28, 1945	(d)	Oct. 1, 8, 1949	2.72	Mar. 16, 1946
Clark 1	Dec. 2, 1936	26.69	Dec. 31, 1944	(e)	Jan. 24, 1949
					Feb. 14, 1950
Clark 2	Dec. 2, 1936	14.10	Feb. 15, 1944	.45	June 3, 1943
Clark 3	Aug. 26, 1943	a33.99	May 12, 1944	19.55	Apr. 22, 1948
Clark 5	Feb. 21, 1944	17.86	Feb. 21, 1944	4.58	May 2, 1948
Clinton 1	Feb. 7, 1944	a54.38	Dec. 2, 1944	18.05	Mar. 11, 1949
Clinton 2	Feb. 7, 1944	a71.11	Dec. 3, 1944	34.26	Mar. 14, 1949
Clinton 4	May 18, 1949	a42.60	Aug. 11, 1949	17.65	Feb. 14, 1950
Crawford 1	Mar. 3, 1944	12.26	Oct. 29, 1948	.68	Jan. 14, 1949
Crawford 2	July 27, 1944	7.26	Dec. 22, 1944	.67	Jan. 15, 1950
Crawford 3	July 27, 1944	18.50	Oct. 27, 1946	5.90	Mar. 8, 1945
Davies 2	Mar. 9, 1949	10.65	Sept. 26, 1949	.89	Jan. 9, 1950
Dearborn 1-8	Oct. 6, 1944	a107.89	Oct. 12, 1944	49.6	Feb. 19, 1950
Dearborn 1-10	Feb. 26, 1946	a44.39	Nov. 6, 1948	4.40	Feb. 22, 1949
Dearborn 2	Sept. 21, 1944	a67.25	Nov. 20, 1944	32.	Mar. 12, 1945
			Dec. 4, 1944		
Dearborn 4	Sept. 21, 1944	45.68	Nov. 7, 1948	(b)	Mar. 12, 1945
Dearborn 5	Aug. 29, 1945	41.90	Nov. 7, 1948	14.80	Dec. 11, 1950
Decatur 1	Sept. 8, 1944	9.71	Sept. 17, 1948	.70	June 17, 1949
De Kalb 1	Nov. 24, 1936	a18.5	Oct. 27, 1950	4.5	June 2, 1947
De Kalb 2	Sept. 7, 1945	17.10	Dec. 6, 1946	+1.15	July 28, 1950
Delaware 2	Mar. 30, 1945	14.80	Dec. 7, 1946	2.50	Jan. 9, 1949
Dubois 2	Dec. 1, 1936	18.45	Nov. 13, 1944	4.51	Feb. 22, 1950
Dubois 5	July 28, 1944	22.16	Dec. 29, 1944	8.28	Mar. 9, 1945
Elkhart 2	Sept. 10, 1945	6.64	Sept. 9, 1946	.86	Oct. 1, 1945
Elkhart 3	Oct. 22, 1950	a21.6	Dec. 22, 1950	17.9	Dec. 26, 1950
Fayette 2	Apr. 24, 1946	14.54	Dec. 27, 1946	.37	Jan. 5, 1949
Floyd 1	Dec. 21, 1943	47.06	Nov. 13, 14, 1944	8.75	Feb. 19, 1948
Floyd 2	Dec. 21, 1943	(f)	Aug. 20, 1945	1.37	Feb. 23, 1950
			Aug. 10, 1946		
			Nov. 21, 1946		
Floyd 3	Dec. 21, 1943	22.23	Feb. 18, 1944	5.95	Apr. 1, 1948
Fountain 1	May 26, 1944	42.45	Feb. 14, 1945	33.28	Mar. 7, 1950
			Mar. 7, 1945		
Franklin 1	Dec. 9, 1936	a31.71	Oct. 16, 1939	20.50	Jan. 7, 1950
Franklin 4	Feb. 18, 1944	44.28	Jan. 26, 1945	16.86	Apr. 7, 1944
Gibson 1	Aug. 24, 1944	20.64	Oct. 12, 1944	11.05	Jan. 20, 1947
Gibson 2	Feb. 20, 1947	32.10	Jan. 22, 1948	1.22	Jan. 16, 1950
Grant 2	Mar. 8, 1945	a86.1	Apr. 30, 1945	58.0	May 13, 1946
Grant 5	Apr. 16, 1945	a61.53	Sept. 27, 1947	44.35	Apr. 24, 1949
Grant 7	Apr. 13, 1950	a62.65	Oct. 19, 1950	48.60	Apr. 16, 1950
Hamilton 2	Nov. 2, 1935	a27.33	Sept. 15, 1941	14.71	May 19, 1943
Hancock 1	Apr. 24, 1946	28.48	Oct. 7, 1949	12.95	June 20, 1946
Harrison 1	Dec. 2, 1936	5.65	Nov. 15, 1941	(b)	Feb. 15, 28, 1939
					Mar. 31, 1939
					Apr. 15, 1939

Water levels in observation wells in Indiana, 1950--Continued

Well	Date of first measurement	Lowest water level		Highest water level	
		Water level	Date	Water level	Date
Harrison 3	Oct. 25, 1938	7.8	Sept. 30, 1941 Sept. 11, 1949	2.00	Mar. 21, 1939
Hendricks 1	Feb. 25, 1944	8.46	Jan. 29, 1945	(b)	Apr. 17, 24, '44
Hendricks 2	Oct. 9, 1948	24.11	Oct. 17, 1948	14.93	Apr. 9, 1950
Hendricks 3	Oct. 9, 1948	8.46	Oct. 23, 31, '48	1.85	Feb. 19, 1950
Henry 2	July 31, 1946	18.15	Nov. 17, 1946	10.25	Jan. 15, 1950
Howard 4	Mar. 28, 1945	15.22	Jan. 25, 1947	.96	Apr. 10, 1948
Huntington 1	Sept. 27, 1945	38.80	Sept. 12, 1948	1.80	Apr. 23, 1950
Jackson 1	Dec. 3, 1936	a16.71	Nov. 7, 1949	1.2	Apr. 15, 1939
Jackson 2	Feb. 16, 1944	18.87	Feb. 16, 1944	10.31	May 15, 1950
Jasper 3	June 10, 1948	12.15	Nov. 14, 1949	8.65	Apr. 8, 1950
Jay 2	July 16, 1947	a38.29	Dec. 6, 1947	31.59	May 20, 1950
Jefferson 2	Mar. 3, 1937	32.5	Aug. 16, 1943	15.33	Apr. 1, 1946
Jennings 1	Dec. 3, 1936	16.98	Dec. 15, 1943	.41	Jan. 24, 1949
Knox 1	Aug. 24, 1944	37.22	Feb. 22, 1945	29.75	May 4, 1950
Kosciusko 2	Nov. 3, 1938	+1.35	Nov. 3, 1938	+3.25	May 1, 1944
Kosciusko 3	Sept. 11, 1945	14.29	Dec. 27, 1948	8.66	July 24, 31, '50
La Porte 1	July 4, 1942	a17.30	Aug. 23, 1947	+ .52	June 24, 1950
La Porte 2	July 2, 1942	7.22	Oct. 11, 1946	.34	Apr. 8, 1950
Lawrence 1	Feb. 24, 1944	22.45	Sept. 18, 1947	5.30	Jan. 26, 1950
Lawrence 2	Feb. 23, 1944	22.34	Nov. 2, 1949	7.29	Jan. 26, 1949
Madison 3	Sept. 23, 1935	(i)	Sept. 30, 1939 to Mar. 31, 1940 Oct. 15, 1940 to Oct. 28, 1941	18.39	June 16, 1939
Madison 6	Apr. 1, 1947	12.51	Oct. 27, 1948	3.33	Apr. 8, 1948
Madison 7	Jan. 1, 1946	13.9	Aug. 7, 1946	(e)	Jan. 30, 1950 Feb. 6, 13, 20, 27, 1950 Mar. 6, 12, '50 Apr. 3, 10, '50 Mar. 5, 1950
Madison 8	June 17, 1949	a55.4	Sept. 20, 21, 22, 1950	15.2	Jan. 17, 1950
Madison 9	Aug. 16, 1949	a40.20	Oct. 1, 1949	20.4	Apr. 16, 1938
Marion 1	Aug. 1, 1935	a37.46	Aug. 5, 1941	13.85	Apr. 18, 1950
Marion 2	Oct. 15, 1935	a70.55	Sept. 21, 1941	40.43	Mar. 27, 1950
Marion 3	Oct. 15, 1935	a71.06	Oct. 7, 1941	34.27	Apr. 16, 1938
Marion 4	Dec. 3, 1937	a15.72	May 27, 1941	+3.92	Apr. 24, 1950
Marion 9	July 26, 1939	a62.48	Oct. 3, 1942	35.43	Mar. 27, 1950
Marion 10	Aug. 2, 1939	a70.78	Aug. 29, 1941	45.84	Jan. 20, 1932
Marion 13	Jan. 13, 1928	(j)	Sept. 20, 1930 Jan. 12, 1945 Feb. 14, 1945 Sept. 9, 1946 July 16, 1948 Aug. 20, 1948 Sept. 30, 1948 Oct. 25, 1948 Dec. 19, 1949 Oct. 13, 1950	+2.19	
Marion 14	June 3, 1929	(k)	Nov. 1, 1930 Feb. 14, 1945 Feb. 5, 13, 14, 1945 Feb. 5, 1945	11.75	Jan. 18, 1937
Marion 18	Oct. 11, 1943	28.33	Feb. 14, 1945	7.60	Feb. 15, 1950
Marion 19	Oct. 18, 1943	21.48	Feb. 5, 1945	12.50	Feb. 27, 1950
Marion 21	Mar. 28, 1944	a67.28	Aug. 4, 1944	43.54	Mar. 20, 1950
Marion 22	Apr. 11, 1944	a90.40	July 14, 1944	56.05	Mar. 19, 1950
Marion 25	May 7, 1945	a53.12	Jan. 13, 1947	17.95	Jan. 31, 1949
Marion 26	Aug. 5, 1947	9.80	Oct. 4, 1948	2.15	Mar. 22, 1948
Marion 27	Aug. 5, 1947	5.37	Oct. 11, 1948	.90	Aug. 15, 1949
Marion 28	Aug. 5, 1947	13.37	Oct. 16, 1948	1.29	Jan. 27, 1950
Marion 29	Jan. 10, 1948	a53.60	Sept. 5, 1948	37.21	Apr. 17, 1950
Marion 30	Mar. 25, 1948	a58.06	Sept. 18, 1948	38.4	Apr. 17, 1950
Marshall 1	May 20, 1948	9.34	Oct. 28, 1949	1.07	Apr. 9, 1950
Martin 3	Mar. 1, 1944	22.71	Feb. 15, 1945	18.02	June 2, 1947
Martin 4	Mar. 1, 1944	12.56	Dec. 2, 1944	2.08	Jan. 24, 1949
Miami 1	June 3, 1948	a48.20	Sept. 20, 1948	40.46	Jan. 31, 1949
Monroe 2	Sept. 15, 1944	25.10	Sept. 11, 1945	4.65	Jan. 3, 1950
Monroe 3	Sept. 15, 1944	27.44	Feb. 27, 1945	11.96	Jan. 28, 1950

Water levels in observation wells in Indiana, 1950--Continued

Well	Date of first measurement	Lowest water level		Highest water level	
		Water level	Date	Water level	Date
Montgomery 1	Sept. 27, 1935	15.45	Nov. 16, 1940	3.37	Jan. 4, 1950
Montgomery 4	Sept. 27, 1935	17.33	Oct. 15, 1940	1.33	Apr. 4, 1938
Morgan 3	Aug. 14, 1945	8.80	Sept. 11, 1945	1.75	Dec. 18, 1950
Noble 5	May 1, 1942	9.20	Feb. 3, 1945	.49	May 17, 1943
Noble 6	May 28, 1946	a25.28	Feb. 28, 1947	17.27	May 26, 1949
Noble 7	Aug. 10, 1947	22.52	Nov. 24, 1947	15.90	Apr. 16, 1950
Ohio 1	Sept. 7, 1944	14.94	Oct. 30, 1948	.63	Mar. 3, 1945
Orange 1	Mar. 1, 1944	14.49	Mar. 1, 1944	(e)	Apr. 9, 1944
Owen 2	Sept. 10, 1946	25.65	Oct. 15, 1946	6.74	Jan. 15, 1950
Owen 3	June 5, 1946	109.94	July 17, 1946	108.29	Apr. 15, 1949
Owen 4	June 20, 1946	84.58	Sept. 20, 1948	68.81	Apr. 19, 1947
Owen 5	June 5, 1946	13.39	Aug. 3, 1946	1.06	Jan. 14, 1950
Owen 6	June 5, 1946	9.57	Oct. 2, 1948	1.72	Mar. 26, 1949
Parke 1	June 14, 1945	8.47	Sept. 30, 1945	2.38	June 21, 1945
Perry 1	Mar. 3, 1944	10.12	Aug. 13, 1944	1.25	Feb. 12, 1950
Pike 1	Dec. 1, 1936	12.94	Dec. 30, 1944	3.50	Mar. 31, 1945
Porter 1	Oct. 16, 1935	a62.90	Sept. 18, 1949	50.63	Aug. 3, 1943
Porter 3	Oct. 18, 1935	17.3	Dec. 3, 1940	11.19	July 2, 1945
Porter 6	June 11, 1948	22.03	Dec. 11, 1948	1.69	Mar. 18, 1950
Posey 2	Feb. 19, 1947	9.90	Dec. 7, 1947	3.18	May 20, 1949
					Apr. 12, 1950
Pulaski 1	Dec. 1, 1935	12.14	Dec. 1, 1935	5.31	Apr. 10, 1950
Putnam 2	Apr. 1, 1949	129.89	Apr. 1, 1949	63.62	Jan. 16, 1950
Putnam 3	Sept. 10, 1946	132.21	Oct. 29, 1948	124.29	Mar. 9, 1948
Randolph 1	Feb. 8, 1942	18.43	Jan. 31, 1945	12.08	Jan. 31, 1949
Randolph 2	Dec. 19, 1946	12.84	Dec. 28, 1946	.3	Mar. 27, 1948
Ripley 1	Sept. 7, 1944	13.10	Jan. 15, 1945	1.58	May 3, 1947
Rush 1	July 12, 1945	10.03	Oct. 29, 1948	1.53	Jan. 26, 1950
St. Joseph 1	Oct. 16, 1935	a14.59	Aug. 1, 1946	4.46	May 25, 1943
St. Joseph 4T-2	Feb. 16, 1945	9.57	Nov. 29, 1949	4.77	June 2, 1947
			Dec. 7, 1949		
St. Joseph 10-2	Jan. 26, 1946	a39.24	Dec. 23, 24, 25, 1949	34.22	Aug. 14, 15, '50
St. Joseph 16-1	June 28, 1944	a34.00	May 16, 1949	23.2	Mar. 1, 1946
St. Joseph 22	June 8, 1944	a46.92	Aug. 28, 1948	28.10	Mar. 20, 1950
St. Joseph 53	Mar. 23, 1945	a10.7	Nov. 4, 1950	1.2	Apr. 6, 7, 1950
St. Joseph 85	Jan. 19, 1945	a17.45	Jan. 11, 12, '50	10.41	June 10, 1950
St. Joseph 89	May 17, 1945	a48.90	Aug. 11, 1949	38.38	June 4, 1947
Scott 1	May 4, 1942	27.84	Oct. 22, 1948	13.60	Dec. 7, 10, 1950
Shelby 1	Apr. 23, 1946	10.56	Jan. 4, 1948	4.08	Feb. 26, 1950
Spencer 4	Mar. 2, 1944	18.02	July 18, 1948	.44	Jan. 27, 1945
Spencer 5	Mar. 2, 1944	31.88	Nov. 21, 1945	23.50	Mar. 8, 1944
Spencer 6	Aug. 23, 1944	30.25	Nov. 22, 1944	21.84	Feb. 22, 1950
			Dec. 20, 1944		
Spencer 7	Aug. 23, 1944	11.31	Dec. 23, 1944	1.31	June 1, 1946
Spencer 8	Aug. 23, 1944	8.23	Nov. 11, 1944	1.57	Mar. 17, 1945
Starke 2	Oct. 3, 1935	5.59	Sept. 15, 1941	.83	Mar. 17, 1949
Starke 11	July 1, 1948	17.60	Oct. 15, 1948	12.68	Apr. 27, 1950
Steuben 1	Sept. 16, 1935	4.72	Nov. 1, 1935	+1.01	Apr. 1, 1950
Steuben 2	Sept. 16, 1935	6.7	Oct. 19, 26, 1946	.03	Apr. 15, 1939
			Nov. 2, 1946		
Sullivan 1	Aug. 24, 1944	15.38	Nov. 5, 1944	.70	Apr. 15, 1945
Switzerland 1	Sept. 7, 1944	21.90	Dec. 2, 15, 1944	2.45	Mar. 2, 1945
Tippecanoe 4	Apr. 24, 1944	a22.16	Aug. 13, 1944	+8.2	Jan. 6, 7, 1950
Tippecanoe 5	Apr. 24, 1944	a89.41	Sept. 7, 1948	87.83	May 1, 1944
Tippecanoe 7	Aug. 10, 1945	166.25	Jan. 17, 22, '47	159.61	May 15, 1950
Tippecanoe 8	Nov. 28, 1945	a14.05	Oct. 18, 1946	3.06	Feb. 3, 1949
Tippecanoe 9	Feb. 15, 1946	a76.85	May 3, 1949	69.05	Jan. 2, 1948
Tippecanoe 11	May 1, 1948	98.39	Dec. 25, 1948	91.20	May 4, 5, 1950
Tippecanoe 12	Aug. 3, 1949	21.07	Dec. 19, 1949	13.37	Apr. 8, 1950
Tipton 1	Mar. 27, 1945	5.40	Sept. 23, 1945	+6.00	June 10, 1946
Union 3	Apr. 24, 1946	15.30	Nov. 11, 1948	3.86	May 27, 1947
Union 4	Feb. 3, 1949	25.42	Oct. 23, 1949	19.71	Mar. 27, 1949
			Dec. 11, 1949		
Union 5	May 29, 1949	23.53	Dec. 25, 1949	19.30	Mar. 5, 1950
Vanderburgh 1	Feb. 20, 1947	10.39	Dec. 12, 1948	.22	Mar. 27, 1949
Vigo 2	Feb. 13, 1946	a60.94	Dec. 18, 19, '48	42.25	Apr. 17, 1950
Vigo 3	June 15, 1945	9.19	Nov. 22, 1946	.54	Jan. 18, 1949
Wabash 2	June 1, 1945	14.05	Sept. 5, 1946	1.10	Jan. 4, 1950

Water levels in observation wells in Indiana, 1950--Continued

Well	Date of first measurement	Lowest water level		Highest water level	
		Water level	Date	Water level	Date
Warren 1	May 26, 1944	19.43	Oct. 16, 1948	5.71	Mar. 27, 1948
Warrick 1	Dec. 1, 1936	20.30	Apr. 2, 1947	11.32	Mar. 27, 1950
Warrick 2	Feb. 18, 1944	15.47	Feb. 18, 1944	(b)	Mar. 16, 1945
					Apr. 4, 1945
					Mar. 27, 1950
Wayne 1	July 11, 1945	31.84	Dec. 17, 1946	24.60	Feb. 27, 1950
Wayne 2	Dec. 18, 1946	19.97	Nov. 15, 1948	2.06	Feb. 13, 1950
Wayne 3	Apr. 12, 1949	a31.50	Nov. 11, 1950	15.00	Apr. 21, 1950
White 1	Dec. 4, 1935	a20.34	Oct. 3, 1941	(q)	Apr. 3, 1936
White 3	June 4, 1948	33.72	Apr. 19, 1949	31.15	Nov. 26, 1950

a Affected by pumping.

b Flowing.

d Dry.

e Full.

f Dry at 49.02+ feet.

i Obstruction at 25.3+ feet.

j Dry at 6 feet.

k Dry at 22.96 feet.

q Flowing at measuring point 8 feet below land surface.

Net changes, in feet, in water levels in observation wells in Indiana during 1950

Well	Net rise (+) or net decline (-)		Well	Net rise (+) or net decline (-)		Well	Net rise (+) or net decline (-)	
*Adams 1	-0.19		Howard 4	-2.94		Noble 7	+1.71	
*Adams 2	-18.79		Huntington 1	+2.45		Ohio 1	+9.11	
Adams 3	+7.77		*Jackson 1	+4.18		Orange 1	-5.02	
*Allen 3	+1.89		Jackson 2	+1.99		Owen 2	-.83	
Bartholomew 2	+1.38		Jasper 3	+1.45		Owen 3	+4.47	
Benton 1	+3.87		*Jay 2	+0.04		Owen 4	+1.53	
Benton 2	-2.64		Jefferson 2	+1.38		Owen 5	+5.52	
Blackford 1	+1.07		Jennings 1	-.38		Owen 6	-.88	
*Boone 2	+2.23		Knox 1	+1.88		Perry 1	-2.44	
*Boone 4	-20.70		Kosciusko 2	+7.79		Pike 1	+8.88	
*Boone 10	+13.80		Kosciusko 3	+3.24		*Porter 1	+2.90	
*Boone 11	+7.73		*La Porte 1	-3.38		Porter 3	+0.01	
*Boone 14	+2.57		La Porte 2	-.80		Porter 6	-10.39	
Boone 16	+5.65		Lawrence 2	-3.17		Posey 2	+1.24	
Brown 3	-2.19		Madison 6	+1.94		Pulaski 1	-.54	
Carroll 1	-2.95		Madison 7	+2.08		Putnam 2	+6.67	
Clark 1	+6.81		*Madison 8	-12.20		Putnam 3	+4.44	
Clark 2	+4.66		*Madison 9	-.70		*Randolph 1	+2.57	
*Clark 3	-.90		*Marion 1	+1.18		Randolph 2	+5.47	
*Clinton 1	+8.08		*Marion 2	+3.60		Ripley 1	+1.67	
*Clinton 2	+9.95		*Marion 3	+4.53		*St. Joseph 10-2	+3.06	
*Clinton 4	-2.26		*Marion 4	+2.33		*St. Joseph 16-1	+4.00	
Crawford 1	-1.64		*Marion 9	+3.07		*St. Joseph 22	-.10	
Crawford 2	-.96		*Marion 10	+3.40		*St. Joseph 53	-.50	
Crawford 3	-2.50		*Marion 14	+1.52		*St. Joseph 85	+3.02	
*Dearborn 1-8	+7.50		Marion 18	+3.39		*St. Joseph 89	+1.95	
*Dearborn 1-10	+7.90		Marion 19	+2.08		*Scott 1	+7.50	
Decatur 1	+9.77		*Marion 21	+3.41		Shelby 1	+1.40	
*De Kalb 1	-4.00		*Marion 22	+2.65		Spencer 4	-3.96	
De Kalb 2	-1.08		*Marion 25	+3.00		Spencer 5	+6.68	
Delaware 2	+4.99		Marion 26	-.90		Spencer 6	+1.53	
Dubois 2	-2.76		Marion 27	-1.82		Spencer 7	+7.76	
Dubois 5	+7.74		Marion 28	+4.22		Spencer 8	+1.97	
Elkhart 2	-.88		*Marion 29	+4.06		Starke 2	-1.60	
Fayette 2	+1.83		*Marion 30	+4.20		Steuben 1	-.08	
Fountain 1	+1.00		Marshall 1	-1.50		Steuben 2	+5.55	
*Franklin 1	+1.00		Martin 3	+1.25		Sullivan 1	-8.48	
Franklin 4	+3.37		Martin 4	-.42		Switzerland 1	+4.46	
Gibson 1	+1.44		Monroe 2	-1.04		*Tippecanoe 4	-3.90	
*Hamilton 2	+1.68		Montgomery 1	-2.91		*Tippecanoe 5	+2.22	
Harrison 1	+0.09		Montgomery 4	-.45		Tippecanoe 7	+3.01	
Harrison 3	+4.16		Morgan 3	+2.30		*Tippecanoe 9	-.18	
Hendricks 1	+2.24		Noble 5	-1.32		*Tippecanoe 11	+2.82	
Henry 2	+1.05		*Noble 6	+8.85		Tippecanoe 12	+1.86	

Net changes, in feet, in water levels in observation wells in Indiana during 1950--Cont.

Well	Net rise (+) or net decline (-)	Well	Net rise (+) or net decline (-)	Well	Net rise (+) or net decline (-)
Tipton 1	-2.00	*Vigo 2	+0.80	Warrick 2	-0.77
Union 3	+8.22	Vigo 3	-2.07	Wayne 1	+2.82
Union 4	+2.57	Wabash 2	-2.33	Wayne 2	+2.60
Union 5	+2.09	Warren 1	-3.57	*White 1	-3.11
Vanderburgh 1	+2.03	Warrick 1	+ .35		

* Affected by pumping.

Well Descriptions and Water-Level Measurements

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

Adams County

Ad 1. City of Decatur. Park and North Fifth Sts. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 28 N., R. 14 E.
Measurements made by personnel of Water Department. Records available: 1944-50. Tape
measurements made on Jan. 10, 20, Feb. 3, and from July 6 to Dec. 23.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	39.69	38.70	37.80	.....	.....	44.33	.....	.....	.....
2	.....	.....	39.85	38.71	37.71	.....	.....	.....	.....	.....	43.92
3	.....	42.46	40.18	38.28	37.90	.....	.....	.....	.....	.....	.....
4	.....	42.41	40.22	38.07	37.83	.....	.....	.....	.....	45.33	.....
5	.....	42.41	39.85	38.42	37.96	.....	.....	.....	.....	.....	.....
6	.....	41.86	39.80	38.68	37.65	41.68	.....	.....	.....	.....	.....
7	.....	41.96	39.68	38.98	38.23	.....	.....	45.75	.....	.....	.....
8	.....	42.16	38.95	38.55	38.36	47.17	.....	.....	.....	.....	.....
9	.....	41.56	39.98	38.71	38.12	.....	.....	.....	.....	44.08	.....
10	45.93	41.91	40.29	38.30	38.15	.....	.....	.....	.....	.....	.....
11	.....	41.65	40.02	37.76	38.64	.....	.....	44.63	.....	46.92	.....
12	.....	41.72	39.97	38.00	38.73	.....	46.50	.....	.....	.....	.....
13	43.90	41.42	39.64	37.99	38.60	.....	.....	.....	.....	.....	.....
14	43.65	40.87	39.91	38.41	38.28	.....	.....	.....	.....	.....	.....
15	43.65	40.83	40.12	38.45	38.01	42.17	.....	.....	.....	.....	.....
16	.....	40.74	39.96	38.20	38.41	.....	.....	44.50	.....	.....	43.75
17	.....	41.00	39.73	37.84	38.77	.....	.....	.....	.....	.....	.....
18	42.80	41.05	39.65	37.70	38.96	.....	.....	.....	.....	46.25	.....
19	.....	40.85	39.40	37.56	.....	.....	44.75	.....	.....	.....	.....
20	43.65	40.88	39.84	37.98	.....	.....	.....	.....	.....	.....	.....
21	43.35	40.41	39.54	37.17	.....	.....	.....	.....	45.58	.....	.....
22	42.95	39.82	39.24	38.00	.....	46.58	.....	.....	.....	.....	.....
23	42.80	39.94	39.10	37.55	.....	.....	.....	.....	.....	.....	46.81
24	42.60	39.87	39.20	37.62	.....	.....	.....	.....	.....	.....	.....
25	42.70	40.29	39.53	.....	.....	.....	.....	44.67	.....	.....	.....
26	42.75	40.19	39.33	.....	.....	.....	.....	.....	.....	.....	.....
27	e43.05	40.20	38.67	.....	.....	.....	.....	.....	.....	.....	.....
28	42.92	39.72	38.38	37.94	.....	.....	.....	.....	45.67	.....	.....
29	42.20	.....	38.77	38.07	.....	.....	.....	.....	.....	.....	.....
30	42.75	.....	39.24	37.89	.....	42.42	.....	45.50	.....	.....	.....
31	.....	.....	39.41	.....	.....	.....	.....	.....	.....	.....	.....

e Estimated.

Ad 2. City of Decatur. Seventh and Dayton Sts. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 28 N., R. 14 E.
Measurements made by personnel of Water Department. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	41.97	Apr. 1	36.80	June 24	47.47	Sept. 25	52.55
16	41.55	8	36.22	July 1	55.30	30	66.55
21	50.13	15	33.97	8	56.88	Oct. 7	65.30
28	47.13	22	35.63	15	58.97	21	65.05
Feb. 6	57.47	29	53.05	22	57.22	28	64.97
11	40.72	May 6	36.72	30	42.30	Nov. 4	65.80
18	39.13	13	39.38	Aug. 5	40.80	11	48.30
27	45.47	20	38.88	12	59.38	18	55.22
Mar. 6	38.43	27	56.88	19	62.55	Dec. 2	42.82
13	38.97	June 5	56.88	Sept. 1	61.47	9	63.88
18	50.80	10	41.13	11	61.88	16	63.13
25	54.72	17	39.55	16	63.05	23	63.51

Ad 3. St. Joseph Cemetery. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 28 N., R. 14 E. Records available: 1947-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	24.66	24.35	23.52	26.24	27.08	27.72	28.22	28.35	26.93	25.95
2	.....	h25.13	24.89	24.63	23.96	26.38	27.04	27.68	28.02	28.35	26.95	25.75
3	26.25	25.41	25.13	24.53	24.23	26.28	27.03	27.69	27.90	28.39	27.06	23.30
4	.....	25.49	25.33	21.20	24.47	26.32	26.96	27.81	27.94	28.39	26.92	22.23
5	h23.86	25.57	25.18	22.48	.....	26.33	27.05	27.85	28.03	28.40	27.01	23.50
6	24.08	25.36	25.15	23.55	.....	26.45	27.08	27.87	28.07	28.38	27.02	23.87
7	24.47	25.40	25.07	24.10	.....	26.63	27.22	27.88	28.06	28.39	27.18	23.43
8	24.85	25.49	24.81	24.30	.....	26.66	27.32	27.92	28.06	28.39	26.50	22.93
9	24.84	23.01	25.16	24.69	.....	26.72	27.26	27.98	28.07	28.26	25.43	23.60
10	.....	23.63	25.45	24.59	.....	26.57	27.25	27.96	28.12	23.32	24.97	24.20
11	.....	24.23	25.27	22.30	h25.35	26.32	27.31	28.01	28.10	23.60	25.37	24.72
12	23.66	24.71	24.98	23.35	25.33	26.38	27.40	28.04	28.12	24.51	25.69	24.91
13	24.00	24.84	24.42	23.93	25.26	26.36	27.38	28.05	28.15	25.26	25.81	25.13
14	.....	20.30	24.87	24.35	25.32	26.47	27.52	28.06	28.22	25.60	25.99	25.30
15	23.77	21.23	24.98	24.60	25.27	26.54	27.55	28.06	28.20	25.95	25.94	25.28
16	.....	21.84	25.10	24.71	25.46	26.54	27.61	28.15	28.23	26.20	25.88	25.52
17	23.53	22.26	25.04	24.68	25.53	26.61	27.58	28.19	28.30	26.29	26.06	25.55
18	23.81	22.80	24.39	24.76	25.70	26.68	27.59	28.21	28.34	26.39	26.08	25.68
19	24.47	23.43	24.41	24.81	25.80	26.51	27.63	28.09	28.35	26.36	25.96	25.69
20	25.07	24.36	24.48	24.94	25.83	26.55	27.48	28.10	28.31	26.43	.....	25.72
21	25.22	24.54	24.15	24.98	25.86	26.60	27.38	28.12	28.23	26.47	22.86	25.86
22	25.24	24.46	23.79	25.11	25.74	26.71	27.38	28.09	28.12	26.47	23.97	25.60
23	25.35	24.66	23.71	24.98	25.81	26.66	27.39	28.18	28.09	26.55	24.60	25.74
24	25.10	24.77	24.07	22.60	25.83	26.77	27.40	28.28	28.24	26.70	25.06	25.53
25	.....	25.15	24.33	22.74	h26.12	26.76	27.57	28.24	28.23	26.75	25.26	25.79
26	h22.40	25.21	24.59	23.47	26.03	26.75	27.57	28.28	28.26	26.87	24.87	25.66
27	.....	25.44	24.04	24.01	26.09	26.80	27.60	28.32	28.29	26.82	25.35	26.02
28	.....	25.19	21.80	24.56	26.13	26.90	27.69	28.30	28.30	26.83	25.61	25.87
29	.....	.....	22.98	24.64	26.10	26.88	27.68	28.25	28.33	26.94	25.80	25.76
30	.....	.....	23.91	24.62	26.11	26.96	27.73	28.28	28.34	26.98	25.75	25.83
31	.....	.....	24.35	.....	26.06	.....	27.71	28.29	.....	26.94	.....	25.91

h Tape measurement.

Ad 4. McConnell and Son Co. Jackson and Second Sts., Decatur. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 27 N., R. 14 E. Drilled unused artesian well in limestone, diameter 4 inches, depth 76 feet. Recording gage installed Jan. 18, 1950. Records available: 1950.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	27.50	.....	26.26	27.80	33.00	33.96	35.26	35.03	.....	e32.56	31.17
2	.....	27.80	.....	26.68	27.52	33.26	33.51	35.24	35.14	.....	32.49	30.71
3	.....	27.55	.....	26.68	27.31	33.09	33.83	35.23	35.13	.....	32.77	30.44
4	.....	27.33	28.74	26.87	27.30	33.29	33.93	35.21	35.21	.....	32.58	e29.90
5	.....	27.78	28.57	27.16	27.35	33.55	34.37	35.19	35.28	.....	32.67	.....
6	.....	27.77	28.72	27.23	28.00	33.47	34.34	35.17	35.25	34.89	32.73	.....
7	.....	28.29	28.57	27.28	28.69	33.69	34.59	35.69	35.12	34.89	33.07	.....
8	.....	28.50	28.07	27.16	29.29	34.30	34.59	35.31	34.99	34.81	32.81	26.15
9	.....	27.54	28.85	27.59	29.20	34.52	34.86	35.15	34.92	34.68	32.55	26.00
10	.....	28.13	29.30	27.43	29.56	33.82	35.45	34.65	34.88	34.25	32.83	25.79
11	.....	28.65	28.90	26.86	30.20	33.68	35.24	34.91	35.24	33.65	32.72	26.02
12	.....	28.37	28.91	27.08	30.62	33.65	35.13	34.34	.....	32.89	32.62	26.27
13	.....	27.87	28.67	27.00	30.73	33.45	35.17	33.96	.....	32.79	32.35	26.93
14	.....	27.00	28.93	27.08	30.98	33.45	35.01	33.70	.....	32.43	32.37	27.50
15	.....	26.07	28.79	27.27	31.02	33.82	34.89	33.40	34.91	32.18	32.06	27.73
16	.....	25.09	28.85	27.41	31.37	33.58	35.00	34.41	34.80	32.13	31.55	28.36
17	.....	24.69	28.72	27.34	31.54	33.86	35.78	35.02	35.01	31.93	31.48	28.62
18	h26.60	24.65	28.54	27.47	31.36	33.88	35.22	35.50	.....	31.92	31.38	28.89
19	26.75	24.73	28.81	27.56	31.25	33.58	35.37	34.87	34.91	31.82	31.06	28.89
20	e27.20	25.86	28.30	27.85	31.13	33.62	35.00	34.86	.....	31.89	30.76	29.06
21	27.15	26.53	28.78	27.96	31.05	33.70	35.05	34.89	34.82	32.00	31.07	29.42
22	26.80	.....	29.36	28.18	30.83	33.87	34.98	34.80	34.69	31.96	30.08	29.03
23	.....	.....	29.08	27.94	31.24	34.10	35.14	34.85	34.74	32.06	29.52	29.29
24	.....	.....	28.72	28.10	31.59	34.50	35.54	34.86	35.10	32.36	e29.63	28.90
25	.....	28.88	28.50	27.49	31.83	34.95	35.25	34.87	35.06	32.39	29.50	29.33
26	28.10	28.77	28.47	27.49	32.64	35.40	35.05	35.22	35.06	32.58	28.42	29.15
27	28.40	28.10	27.73	27.61	32.68	34.88	34.99	35.65	35.02	32.48	29.12	29.80
28	27.45	27.65	27.47	28.29	32.63	34.56	35.00	35.80	34.99	32.39	29.62	29.59
29	25.85	.....	27.25	28.15	32.67	34.23	34.93	35.25	.....	32.55	29.81	29.79
30	25.80	.....	27.13	27.98	32.67	34.22	35.60	35.32	.....	e32.78	29.96	30.49
31	26.40	.....	26.76	.....	32.64	.....	35.81	35.15	.....	32.58	.....	30.90

e Estimated.

h Tape measurement.

Ad 5. Eleanor Reppert. Van Wert and Belmont Rds., Decatur. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T. 28 N., R. 14 E. Drilled unused artesian well in limestone, diameter 6 inches, depth 144 feet. Recording gage installed Jan. 13, 1950. Records available: 1950.

Daily lowest water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	17.40	15.41	.....	25.76	.....	.....	27.07	26.71	.....	.....
2	.....	.....	17.72	16.08	.....	25.88	.....	.....	27.13	26.75	.....	.....
3	.....	.....	18.06	16.27	16.81	25.80	26.39	.....	27.13	26.71	e23.37	.....
4	.....	15.40	18.23	e16.41	16.88	25.94	26.59	.....	.....	26.76	.....	.....
5	.....	16.76	18.12	16.27	18.79	e26.03	26.82	.....	.....	26.80	.....	.....
6	.....	17.02	18.23	16.29	20.06	26.15	26.90	.....	.....	26.71	.....	.....
7	.....	17.49	18.08	16.51	20.74	26.36	27.02	.....	27.13	26.68	23.80	h14.79
8	.....	16.70	17.71	16.57	21.26	26.43	27.08	.....	27.04	26.63	23.48	.....
9	.....	15.48	18.36	17.04	21.55	26.46	27.15	.....	27.02	.....	22.70	.....
10	.....	19.45	e18.65	16.97	22.37	26.32	.....	.....	26.98	.....	22.46	.....
11	.....	18.32	18.35	16.34	22.88	25.94	.....	24.19	27.03	.....	22.24	.....
12	.....	17.20	18.31	16.33	23.45	25.95	.....	23.93	27.04	.....	22.16	.....
13	h14.20	16.70	17.96	16.35	23.59	25.87	.....	23.69	27.06	22.33	22.03	.....
14	.....	15.05	18.17	16.47	23.82	25.81	.....	23.51	27.08	e21.85	22.09	h16.47
15	.....	.....	18.09	16.78	23.87	25.96	.....	24.94	.....	21.77	21.93	.....
16	.....	.....	18.10	17.00	24.08	25.92	.....	26.35	26.65	21.79	.....	.....
17	h14.27	h12.02	17.99	17.05	23.73	25.95	.....	26.79	26.90	21.77	19.89	.....
18	14.23	.....	17.88	17.24	23.25	26.15	.....	26.75	26.94	21.85	e20.20	.....
19	h15.10	.....	17.84	17.41	23.06	26.00	.....	26.90	26.84	.....	e20.12	.....
20	h15.65	.....	17.45	17.68	22.88	26.05	.....	27.04	26.85	22.00	.....	.....
21	.....	.....	21.02	17.79	22.83	26.15	.....	27.08	26.76	22.13	19.03	h18.01
22	.....	.....	21.79	17.99	23.00	26.28	.....	27.05	26.69	22.21	.....	.....
23	.....	.....	18.59	17.83	23.86	26.28	.....	27.13	26.70	22.36	.....	.....
24	.....	h20.14	e17.93	17.93	24.34	26.36	.....	26.72	26.90	22.63	h18.54	.....
25	h18.71	20.51	17.67	16.83	24.59	e26.50	.....	26.72	26.81	22.69	.....	.....
26	18.73	17.69	17.66	16.90	24.98	26.67	.....	27.01	26.83	22.93	.....	.....
27	18.30	17.02	17.03	17.04	25.21	26.59	.....	27.13	26.78	22.90	.....	.....
28	17.18	17.12	16.48	18.34	25.25	26.73	.....	.....	26.79	22.89	.....	h18.84
29	.....	.....	15.77	17.70	25.36	26.66	.....	27.13	26.11	23.05	.....	.....
30	.....	.....	15.59	.....	25.38	26.69	.....	.....	26.59	.....	h19.20	.....
31	.....	.....	15.51	.....	25.43	.....	.....	.....	.....	.....	.....	.....

e Estimated.

h Tape measurement.

Allen County

Al 3. City of Fort Wayne. Lawton Park. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 13 N., R. 12 E. Clinton and East Fourth Sts. Recording gage installed Apr. 7, 1950. Records available: 1944-50.

Daily 2 a. m. water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.46	9.39	9.94	10.12	10.46	10.52	10.60	10.04
2	7.50	9.43	9.95	10.17	10.00	10.53	10.62	9.98
3	7.54	9.46	9.99	10.22	9.99	10.55	10.65	9.74
4	7.60	9.51	10.01	10.28	9.97	10.57	10.63	9.36
5	7.65	9.52	10.00	10.30	9.97	10.58	10.63	9.17
6	7.72	9.57	10.01	10.34	9.99	10.59	10.63	8.97
7	4.65	7.80	9.64	10.02	10.34	10.01	10.60	10.66	8.81
8	4.62	7.90	9.68	10.05	10.37	10.03	10.60	.....	8.33
9	4.97	7.91	9.72	10.08	10.40	10.06	10.60	.....	7.95
10	h7.22	.....	5.14	7.97	9.24	10.08	10.44	10.09	10.52	.....	7.84
11	4.99	8.06	8.88	10.11	10.48	10.09	10.46	10.51	7.84
12	5.20	8.11	9.00	10.14	10.53	10.11	10.40	10.50	7.86
13	5.35	8.14	9.04	10.16	10.52	10.15	10.41	10.46	7.95
14	5.55	8.20	9.12	10.19	10.53	10.20	10.39	10.47	8.05
15	5.75	8.24	9.18	10.20	10.54	10.30	10.38	10.44	8.12
16	5.95	8.33	9.22	10.24	10.58	10.25	10.38	10.43	8.23
17	6.09	8.40	9.30	10.24	10.59	10.27	10.36	10.47	8.29
18	6.28	8.44	9.38	10.27	10.60	10.27	10.38	10.48	8.36
19	h5.34	.....	.....	6.45	8.49	9.34	10.30	10.58	10.34	10.38	10.43	8.45
20	6.61	8.58	9.42	10.29	e10.61	10.29	10.41	10.38	8.53
21	6.77	8.64	9.50	10.31	e10.64	10.31	10.44	10.27	8.63
22	6.93	8.67	9.59	10.30	10.68	10.29	10.44	10.20	8.64
23	7.04	8.72	9.65	10.26	10.71	10.32	10.46	10.16	8.75
24	7.13	8.77	9.68	10.23	10.78	10.38	10.51	10.14	8.77
25	h7.51	7.18	8.83	9.72	10.26	10.78	10.38	10.52	h10.04	8.87

Al 3-- Continued.

Daily 2 a.m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	h5.23	.....	7.32	8.98	9.76	10.25	10.80	10.40	10.55	9.95	8.89
27	7.39	9.10	9.80	10.24	10.81	10.42	10.54	9.95	9.02
28	h4.93	.....	.....	7.44	9.14	e9.84	10.26	10.83	10.44	h10.57	9.99	9.05
29	7.44	9.21	e9.87	10.31	10.65	10.48	10.58	10.01	9.10
30	7.43	9.26	e9.90	10.32	10.63	10.50	10.60	9.98	9.15
31	9.32	.....	10.33	10.64	.....	10.61	.....	9.21

e Estimated.

h Tape measurement.

Bartholomew County

Ba 2. V. E. Sprouse Co., Inc. 1804 East 22d St. Columbus. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18,
T. 9 N., R. 6 E. Records available: 1948-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.34	10.82	10.02	10.71	11.50	12.45	12.91	13.67	.....	14.93	e15.36	14.60
2	15.30	10.84	10.10	10.74	11.50	12.48	12.93	13.70	.....	14.94	e15.37	14.60
3	15.26	10.93	e10.16	10.74	11.49	12.50	12.96	13.73	.....	14.97	e15.38	14.60
4	15.15	.....	.....	10.77	11.52	12.50	12.98	13.76	.....	14.98	e15.38	14.54
5	14.80	.....	.....	10.69	11.54	12.51	13.01	13.79	h14.52	15.00	e15.39	14.48
6	14.36	.....	.....	10.62	11.57	12.53	13.04	13.83	14.53	15.01	e15.40	14.38
7	13.95	h11.08	h10.39	10.53	11.61	12.56	13.06	13.86	14.54	e15.03	15.40	14.27
8	13.59	11.11	10.42	10.46	11.65	12.59	13.08	13.89	14.56	e15.05	15.38	14.17
9	13.28	11.04	10.53	10.46	11.66	12.62	13.10	13.92	14.58	e15.06	15.35	14.07
10	13.06	11.03	10.60	10.45	11.67	12.57	13.13	13.95	14.60	e15.08	15.31	13.96
11	12.79	10.95	10.62	10.46	11.71	12.57	13.14	13.98	14.62	e15.09	15.28	13.87
12	12.43	10.89	10.69	10.58	11.74	12.60	13.17	14.01	14.66	e15.11	15.25	13.80
13	12.17	10.79	10.74	10.64	11.77	12.63	13.19	14.04	14.67	e15.12	15.23	13.75
14	12.00	10.52	10.81	10.72	11.80	12.66	13.23	14.07	14.69	e15.14	15.22	13.73
15	11.88	9.94	10.85	10.77	11.83	12.69	13.25	14.10	14.70	e15.16	15.21	13.70
16	11.74	9.96	10.85	10.83	11.87	12.71	13.27	14.12	14.72	e15.17	15.21	13.71
17	11.49	9.54	10.94	10.87	11.91	12.74	13.29	14.15	14.75	15.18	15.21	13.71
18	11.24	9.49	11.00	10.92	11.95	12.78	13.33	14.18	14.77	15.20	15.20	13.73
19	11.13	9.53	11.06	10.98	12.00	12.70	13.34	14.20	14.79	15.21	15.19	13.74
20	11.11	9.58	11.09	11.05	12.04	12.69	13.35	14.24	14.80	15.23	15.17	13.76
21	11.09	9.61	11.12	11.10	12.08	12.69	13.37	14.26	14.82	15.24	15.07	13.80
22	11.09	9.62	11.15	11.16	12.11	12.69	13.40	14.28	14.84	15.26	14.97	13.81
23	11.13	9.70	11.19	11.20	12.15	12.68	13.42	14.30	14.84	15.27	14.87	13.84
24	11.17	9.74	11.22	11.26	12.19	12.70	13.44	14.33	14.85	15.28	14.79	13.85
25	11.20	9.84	11.26	11.30	12.22	12.74	13.46	14.35	14.85	15.29	14.72	13.88
26	11.23	9.90	11.29	11.35	12.27	12.76	13.50	14.38	14.85	15.30	14.66	13.87
27	11.13	.....	11.30	11.39	12.31	12.80	13.52	14.40	14.86	15.31	14.63	13.93
28	10.98	h9.95	11.10	11.45	12.34	12.83	13.55	14.43	14.88	15.32	14.61	13.94
29	10.84	.....	10.97	11.51	12.38	12.85	13.58	14.45	14.89	15.32	14.60	13.95
30	10.82	.....	10.86	11.54	12.41	12.88	13.61	.....	14.91	15.33	14.60	13.98
31	10.77	.....	10.78	.....	12.42	.....	13.64	.....	.....	e15.35	.....	14.01

e Estimated.

h Tape measurement.

Benton County

Be 1. Northern Indiana Public Service Co. South Van Buren St., Fowler. NE $\frac{1}{4}$ SW $\frac{1}{4}$
sec. 15, T. 25 N., R. 8 W. Measurements made by W. E. Furr. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	40.50	Mar. 10	43.66	June 16	42.95	Oct. 19	40.88
20	40.00	23	43.42	23	43.02	26	39.92
27	39.82	30	44.16	July 6	38.28	Nov. 3	41.05
Feb. 2	39.25	Apr. 7	44.08	20	38.20	10	40.50
9	39.48	13	43.58	28	38.33	30	40.11
17	41.32	27	41.56	Aug. 11	39.90	Dec. 6	39.84
24	39.44	May 5	43.89	19	43.88	15	39.76
Mar. 3	39.07	12	41.10	31	44.89	28	39.47

Be 2. Town of Boswell. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 24 N., R. 9 W. Records available:
1944-50.

Jan. 5	13.71	Jan. 27	14.51	Feb. 16	14.98	Mar. 10	16.01
12	14.04	Feb. 2	12.23	23	14.80	16	13.64
19	15.74	9	15.73	Mar. 3	16.75	23	11.02

Be 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 31	11.61	June 8	17.37	Aug. 17	20.74	Oct. 26	18.66
Apr. 6	8.99	15	17.48	24	20.35	Nov. 2	17.55
14	9.65	22	16.20	31	19.83	9	20.80
20	9.24	28	13.54	Sept. 8	20.33	16	19.58
27	13.69	July 6	16.32	15	20.37	23	18.33
May 4	15.03	13	17.39	21	19.98	Dec. 1	17.16
11	13.56	20	16.92	28	19.66	7	16.21
18	14.16	27	19.54	Oct. 5	19.88	14	15.70
25	17.06	Aug. 3	19.04	12	19.20	21	15.61
31	14.51	10	20.18	19	20.01	28	16.30

Blackford County

Bf 1. William Wise. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, T. 24 N., R. 10 E. Records available:

1945-50.

Jan. 8	1.11	Apr. 8	1.11	July 8	4.33	Oct. 7	6.03
14	.70	15	1.39	15	4.69	14	5.67
21	1.84	22	2.14	22	4.73	21	5.71
28	.92	29	1.35	29	5.23	28	5.79
Feb. 4	1.89	May 6	1.94	Aug. 5	5.13	Nov. 4	5.83
11	1.67	13	2.43	12	5.34	11	5.44
18	.86	20	2.94	19	5.47	18	5.15
25	1.78	27	3.21	26	5.70	Dec. 2	3.19
Mar. 4	2.66	June 3	3.36	Sept. 2	5.44	9	1.99
11	2.67	10	3.66	9	6.38	16	2.14
18	2.39	17	3.72	16	5.93	23	2.69
25	1.49	24	3.94	23	5.79	30	2.94
Apr. 1	1.09	July 1	4.19	30	5.87		

Boone County

Bo 2. Elmer P. Slipper. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 18 N., R. 1 E. Measurements made by Fred Price. Records available: 1935-42, 1945-50.

Jan. 6	2.80	Apr. 7	3.14	July 7	3.46	Oct. 6	5.67
14	2.20	14	3.78	14	4.78	13	5.36
20	3.87	21	4.43	22	5.43	20	5.90
28	3.13	28	4.42	28	5.92	27	6.29
Feb. 4	4.24	May 5	4.09	Aug. 4	6.40	Nov. 3	6.56
10	3.23	12	5.13	11	6.79	10	3.58
17	3.10	19	5.63	18	7.14	17	5.08
24	3.20	26	5.83	25	7.44	24	3.50
Mar. 3	3.99	June 2	5.08	Sept. 1	4.70	Dec. 1	4.55
11	3.77	9	5.52	8	5.29	8	2.85
17	4.00	16	5.15	15	6.15	15	3.80
24	3.02	23	3.56	22	4.09	22	4.90
31	3.28	30	4.13	29	4.84	29	5.23

Bo 4. Lebanon Utilities, Inc. Chicago Ave. and Kersey St., Lebanon. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 19 N., R. 1 W. Measurements made by Fred Price. 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	30.4	39.8	33.0	35.8	23.8	....	67.8	72.4	59.0	71.0	48.0	....
2	29.8	37.4	26.8	25.4	23.8	....	67.6	72.4	56.4	71.0	60.4	....
3	29.0	....	26.6	24.8	24.2	38.6	59.2	72.2	56.6	60.0	46.8	53.0
4	29.2	38.8	26.2	38.2	24.2	....	63.6	72.2	....	53.6	43.2	46.8
5	31.8	36.2	25.4	40.4	24.6	38.0	64.6	71.8	....	61.6	46.0	e43.0
6	....	27.8	33.8	30.0	24.0	47.0	68.6	72.0	....	55.6	54.0	....
7	....	39.0	27.6	37.4	23.8	56.2	63.8	72.0	....	49.0	e42.2	....
8	....	39.6	26.0	28.4	24.6	....	66.4	72.4	71.2	....	....	....
9	....	38.6	27.8	24.4	24.6	65.0	59.4	72.4	70.2	46.4	46.4	....
10	38.6	37.4	26.6	24.2	24.8	67.2	69.8	72.0	70.4	65.8	54.0	....
11	....	28.4	....	24.0	38.4	60.6	71.0	72.0	71.4	65.8	46.0	....
12	40.0	....	25.0	24.2	....	56.8	71.0	71.5	71.2	66.4	53.4	....
13	31.0	....	25.8	32.4	....	40.4	70.6	71.3	69.4	56.0	....	54.4
14	....	....	26.0	34.6	....	40.4	70.8	72.0	70.4	44.0	52.2	....
15	....	....	25.8	25.0	....	....	70.0	72.2	64.0	....	47.4	54.0

Bo 4--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	....	....	25.8	23.8	....	68.4	64.0	72.2	69.2	....	47.6	53.8
17	....	....	25.6	31.2	36.4	68.6	70.8	71.6	68.4	63.0	53.2	47.2
18	32.2	39.4	25.4	24.0	38.2	58.0	71.0	71.8	69.0	59.2	....	53.8
19	....	37.8	25.0	24.0	37.8	58.8	71.0	63.0	68.4	63.4	....	56.0
20	30.0	39.0	25.2	24.4	37.2	58.8	71.2	69.0	68.6	....	....	55.6
21	38.4	35.8	25.6	24.4	37.8	58.6	70.0	70.4	68.4	....	....	....
22	28.8	37.0	25.8	36.0	36.6	69.2	69.4	71.2	70.8	....	....	54.2
23	37.6	38.0	25.6	25.4	....	70.0	64.4	71.2	71.4	....	....	....
24	28.3	36.8	25.4	23.8	39.4	69.2	69.2	61.5	69.6	....	47.4	53.6
25	34.0	38.2	24.8	23.8	....	70.0	71.4	68.4	68.8	....	....	....
26	....	35.4	24.2	24.4	56.0	62.4	71.6	69.8	70.0	....	....	....
27	33.2	....	23.8	24.4	56.4	64.2	72.0	70.6	70.6	....	....	....
28	38.0	34.6	33.2	41.8	37.0	65.4	72.4	71.8	59.8	....	....	....
29	28.6	....	36.2	25.6	....	68.2	72.3	71.8	64.0	....	....	....
30	....	....	34.8	23.4	28.2	67.2	72.4	65.2	70.4	46.8	....	....
31	....	....	35.8	....	37.6	....	71.8	60.0	....	54.4	....	....

e Estimated.

Bo 10-A. Lebanon Utilities, Inc. Chicago Ave. and Kersey St., Lebanon. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 19 N., R. 1 W. Measurements made by Fred Price. 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	32.2	26.9	25.5	22.4	23.6	32.0	32.0	36.4	34.6	33.1	25.8	....
2	31.7	27.2	23.0	....	25.4	31.0	30.8	36.1	34.1	32.5	25.1	23.1
3	30.8	28.7	26.2	....	24.0	30.8	31.2	36.7	33.2	32.0	26.0	21.1
4	31.3	29.2	24.9	....	24.9	29.9	33.0	35.3	32.3	30.6	25.1	23.9
5	31.5	29.7	24.7	23.0	e24.9	29.6	33.2	35.8	33.4	30.1	23.5	22.8
6	31.7	30.0	25.8	26.1	27.1	30.4	33.7	36.7	33.4	30.6	23.0	22.4
7	32.0	26.8	25.3	26.3	27.0	32.6	32.2	36.5	33.4	30.5	24.5	24.6
8	31.9	25.6	23.7	22.5	26.0	33.0	33.5	37.0	33.5	30.0	23.0	22.6
9	30.6	26.8	22.7	....	26.0	31.8	34.4	37.1	35.0	27.7	26.0	21.6
10	29.0	26.5	25.9	23.9	25.9	32.3	33.9	37.3	35.1	27.9	25.5	20.9
11	27.9	28.2	26.2	26.2	....	31.9	33.8	37.3	34.1	27.9	25.1	20.6
12	e29.4	28.4	25.7	25.3	e24.0	31.7	33.6	37.0	34.3	28.5	23.7	20.5
13	h27.51	26.8	25.3	....	26.0	31.8	32.8	36.8	34.6	29.3	24.5	20.4
14	30.5	24.8	22.7	....	27.0	32.7	32.8	36.4	34.3	29.4	23.0	20.0
15	31.7	27.3	23.4	25.2	27.5	32.8	33.8	37.0	33.1	26.7	22.4	19.8
16	31.9	26.9	21.8	24.5	28.0	32.7	34.6	36.9	33.3	26.1	e24.7	19.8
17	30.7	....	h21.4	....	28.5	32.1	34.0	37.3	32.8	25.6	h22.8	19.7
18	30.3	26.8	24.8	23.0	28.9	31.9	34.3	37.2	32.8	25.2	24.5	19.7
19	30.2	27.2	25.0	24.5	28.2	32.1	33.4	37.6	33.6	24.8	23.7	19.5
20	20.0	25.7	26.4	24.7	28.3	32.2	32.9	36.6	34.1	....	22.9	19.8
21	28.5	27.1	26.5	23.4	28.0	33.9	32.9	36.0	33.7	....	22.2	19.5
22	28.7	25.0	26.4	21.4	28.8	33.6	34.6	34.6	33.4	....	21.6	e19.1
23	28.8	26.6	26.5	20.6	28.9	33.7	35.5	35.9	33.9	....	21.3	19.1
24	26.5	24.8	23.0	23.1	29.0	33.3	35.6	36.5	34.0	....	21.3	18.8
25	28.3	23.8	25.5	25.0	31.8	31.3	35.9	36.4	33.8	....	21.1	18.8
26	26.6	23.2	25.3	23.5	31.8	33.2	35.7	36.4	33.9	....	23.4	18.7
27	h24.9	22.8	23.3	24.8	30.4	33.0	35.6	37.6	34.0	27.3	23.4	18.7
28	....	25.5	....	23.6	29.6	32.6	35.5	37.3	33.7	25.8	20.9	18.5
29	24.6	....	25.0	24.2	29.4	32.0	35.6	37.0	33.7	24.6	....	18.2
30	24.6	....	25.8	22.8	30.1	31.9	36.2	36.9	33.2	26.6	....	18.2
31	27.5	....	24.2	....	30.3	....	36.3	36.9	....	25.7	....	18.1

e Estimated.

h Tape measurement.

Bo 11. Lebanon Utilities, Inc. Chicago Ave. and Kersey St., Lebanon. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 19 N., R. 1 W. Measurements made by Fred Price. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	29.27	Mar. 11	24.78	May 12	22.80	July 14	37.19
14	29.96	17	23.48	19	27.50	22	37.10
20	30.52	24	23.65	26	30.72	28	38.29
28	27.40	31	24.45	June 2	27.57	Aug. 4	38.80
Feb. 4	28.42	Apr. 7	24.93	9	32.34	11	40.90
10	27.14	14	23.30	16	33.50	18	40.75
17	28.32	21	22.42	23	35.52	25	38.33
24	26.83	28	22.35	30	35.10	Sept. 1	37.12
Mar. 3	25.17	May 5	22.15	July 7	35.64	8	37.29

Bo 11--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 15	36.34	Oct. 13	32.03	Nov. 10	27.57	Dec. 8	26.80
22	37.54	20	29.42	17	26.83	15	24.15
29	37.50	27	30.03	24	25.08	22	23.89
Oct. 6	32.73	Nov. 3	27.65	Dec. 1	26.49	29	23.02

Bo 12. Lebanon Utilities, Inc. Franklin and Klotz St., Lebanon. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 19 N., R. 1 W. Measurements made by Fred Price. Records available: 1945-50.

Jan. 6	22.38	Feb. 10	19.75	Mar. 17	17.23	Apr. 21	15.93
14	21.72	17	20.24	24	16.78	28	15.97
20	22.11	24	19.44	31	16.62	May 5	15.57
28	20.78	Mar. 3	18.91	Apr. 7	16.75	12	16.18
Feb. 4	20.61	11	17.85	14	16.38		

Bo 13. Lebanon Utilities, Inc. Memorial Park, Lebanon. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 19 N., R. 1 W. Measurements made by Fred Price. Records available: 1945-50.

Jan. 10	15.70	Mar. 31	8.74	June 23	9.52	Sept. 15	11.20
14	14.85	Apr. 7	8.92	30	8.47	22	11.00
20	12.86	14	8.20	July 7	6.88	29	10.92
28	10.87	21	8.85	14	7.70	Oct. 6	11.57
Feb. 4	11.15	28	9.25	22	8.30	13	12.07
10	10.74	May 5	8.88	28	8.82	20	12.58
17	9.50	12	9.40	Aug. 4	9.42	27	12.90
24	9.45	19	9.84	11	9.84	Nov. 3	13.46
Mar. 3	9.55	26	10.47	18	10.34	Dec. 15	11.18
11	9.96	June 2	10.77	25	11.18	22	11.43
17	9.19	9	11.28	Sept. 1	11.06	29	11.80
24	9.40	16	11.43	8	10.86		

Bo 14. Lebanon Utilities, Inc. East and Elm Sts., Lebanon. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 19 N., R. 1 E. Measurements made by Fred Price. Records available: 1945-50.

Jan. 14	36.27	Apr. 14	31.85	July 14	44.10	Oct. 13	37.60
20	36.03	21	31.94	22	45.04	20	36.98
28	35.19	28	32.04	28	45.65	27	37.10
Feb. 4	34.79	May 5	32.15	Aug. 4	46.20	Nov. 3	37.23
10	34.10	12	33.18	11	46.93	10	36.35
17	35.18	19	33.89	18	47.53	17	36.69
24	34.65	26	33.49	25	46.31	24	36.00
Mar. 3	33.48	June 2	34.62	Sept. 1	42.95	Dec. 1	35.00
11	32.85	9	34.82	8	40.07	8	34.98
17	32.45	16	35.42	15	39.65	15	34.60
24	32.06	23	36.16	22	38.92	22	34.46
31	32.00	30	40.85	29	38.91	29	35.18
Apr. 7	32.37	July 7	43.34	Oct. 6	38.39		

Bo 16. Leland H. Dale. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 18 N., R. 1 W. Records available: 1946-50.

Jan. 2	8.80	May 3	2.75	July 17	3.82	Sept. 26	4.82
17	.98	9	3.16	24	4.14	Oct. 2	4.42
Feb. 10	.75	15	3.49	31	4.72	Nov. 2	5.25
18	.79	24	4.03	Aug. 7	5.11	6	5.49
28	1.18	June 6	4.37	14	5.47	13	5.39
Mar. 6	2.19	13	4.58	21	5.61	20	3.65
14	.45	18	4.56	26	5.86	27	3.42
21	.41	26	3.76	Sept. 3	5.14	Dec. 4	2.14
27	.04	July 3	3.47	11	5.10	20	3.24
Apr. 10	.81	10	3.14	18	4.83	27	3.73
18	2.19						

Brown County

Br 3. State of Indiana. Brown County State Park. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 8 N., R. 3 E. Measurements made by A. E. Weddle and Earl Rose. Records available: 1936-50.

Jan. 2	2.85	Feb. 13	0.78	Mar. 27	0.66	May 8	3.14
9	.89	20	2.22	Apr. 3	2.36	15	3.44
16	1.15	27	2.38	10	2.52	22	4.22
23	2.11	Mar. 6	2.67	17	3.39	29	5.57
30	1.72	13	1.93	24	4.78	June 5	4.54
Feb. 6	1.72	20	2.56	May 1	1.78	12	5.46

Br 3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 19	5.06	Aug. 14	9.29	Oct. 2	5.12	Nov. 20	2.19
26	4.17	21	9.30	9	6.24	27	3.06
July 3	5.90	29	9.35	16	7.16	Dec. 4	1.55
10	7.34	Sept. 4	5.75	23	7.82	11	1.94
17	7.90	11	5.88	30	8.35	18	2.89
23	8.44	18	5.17	Nov. 6	8.65	25	3.10
31	8.92	25	3.47	13	7.40	31	4.55
Aug. 7	9.20						

Carroll CountyCa 1. Roy R. Richter. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 25 N., R. 1 W. Records available:

1945-50.

Jan. 7	4.28	Apr. 10	4.80	July 10	8.90	Oct. 2	9.56
14	3.18	17	5.70	17	9.35	9	9.90
21	5.35	24	3.79	24	8.80	16	10.25
28	4.55	May 1	4.78	31	9.15	23	10.55
Feb. 4	5.65	8	6.05	Aug. 7	9.80	30	10.70
11	4.65	15	6.85	14	10.80	Nov. 6	10.85
20	4.39	22	7.28	21	8.01	13	10.60
27	5.50	29	7.75	28	9.90	27	9.80
Mar. 6	5.60	June 5	7.90	Sept. 4	8.38	Dec. 4	7.75
13	5.55	12	8.45	10	9.36	11	7.35
20	5.40	19	7.38	18	10.05	18	6.02
27	5.28	26	7.85	25	8.56	25	8.55
Apr. 3	4.90	July 3	8.36				

Clark CountyCl 1. State of Indiana. Clark County State Forest. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 2 N., R. 6 E. Measurements made by Kenneth Cook. Records available: 1936-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.20	2.10	7.40	6.75	13.95	11.25	11.10	16.90	20.25	22.05	23.0	e17.40
2	22.25	1.45	7.70	7.25	14.05	11.50	11.50	17.00	20.30	22.10	23.0	17.50
3	22.05	2.70	8.15	4.75	14.15	11.75	11.85	17.15	20.40	22.15	23.05	14.05
4	14.75	4.45	8.60	1.20	14.20	6.60	12.15	17.25	20.50	22.20	23.05	9.65
5	5.40	5.70	9.05	1.45	13.85	6.30	12.50	17.40	20.55	22.25	23.10	10.25
6	5.50	6.55	9.50	2.80	12.85	7.15	12.80	17.50	20.65	22.25	23.10	10.80
7	2.40	7.05	9.90	3.90	12.25	7.90	13.10	17.65	20.75	22.30	23.15	1.60
8	5.05	7.60	10.25	4.70	12.05	8.65	13.35	17.80	20.80	22.35	23.15	4.95
9	6.75	.75	10.25	5.60	12.10	9.30	13.55	17.90	20.90	22.35	23.15	7.05
10	5.95	2.15	10.35	6.30	12.25	9.85	13.75	18.05	20.95	22.40	22.95	7.90
11	3.00	3.85	10.50	6.75	4.55	10.35	13.95	18.15	21.00	22.40	23.00	8.75
12	5.75	5.05	10.10	7.30	4.80	10.90	14.05	18.25	21.05	22.45	23.05	9.40
13	2.75	1.10	9.25	7.70	4.95	11.35	14.20	18.40	21.10	22.45	23.10	10.10
14	1.40	....	8.30	8.20	5.85	11.70	14.35	18.50	21.15	22.50	23.15	10.75
15	3.85	1.45	8.35	8.65	6.70	12.10	14.50	18.65	21.20	22.55	23.15	11.25
16	1.35	2.65	8.55	9.10	7.40	12.30	14.65	18.75	21.25	22.55	23.20	11.65
17	3.60	3.80	8.85	9.50	8.10	12.25	14.75	18.85	21.35	22.60	23.20	12.05
18	5.20	4.85	9.00	9.90	8.75	12.50	14.96	18.95	21.40	22.65	23.20	12.45
19	6.70	5.80	9.35	10.30	9.25	11.25	15.05	19.05	21.45	22.70	23.25	12.90
20	7.50	6.40	9.65	10.75	9.80	2.95	15.15	19.15	21.50	22.70	20.00	13.30
21	8.30	6.90	5.50	11.10	10.30	3.55	15.35	19.25	21.55	22.75	16.75	13.65
22	9.05	.60	5.70	11.50	8.85	4.85	15.50	19.35	21.60	22.75	....	13.90
23	9.75	1.70	6.25	11.80	7.55	6.15	15.65	19.45	21.65	22.80	....	14.10
24	10.00	3.30	6.85	12.10	7.60	7.05	15.80	19.55	21.70	22.80	....	14.30
25	7.85	4.50	7.30	12.40	8.05	7.75	15.90	19.65	21.75	22.85	....	14.45
26	8.10	5.70	7.80	12.75	8.60	8.40	16.05	19.75	21.80	22.85	....	14.55
27	2.15	6.60	8.10	13.05	9.25	9.00	16.20	19.85	21.90	22.90	....	14.70
28	4.70	7.00	2.15	13.35	9.80	9.65	16.35	19.90	21.95	22.90	....	e14.85
29	6.00		3.70	13.55	10.30	10.15	16.50	20.00	22.00	22.95	e17.15	15.00
30	2.80		5.10	13.75	10.75	10.65	16.65	20.10	22.00	23.00	e17.25	15.20
31	1.45		6.15		11.15		16.75	20.15		23.00		15.40

e Estimated.

Ct 2. State of Indiana. Clark County State Forest. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 1 N., R. 6 E. Measurements made by Kenneth Cook. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	5.57	Apr. 6	1.47	July 6	4.48	Oct. 4	9.33
12	1.60	13	1.92	13	5.24	10	9.35
19	1.09	20	2.18	20	5.64	17	9.50
26	.48	27	2.44	27	6.03	23	9.47
Feb. 2	.89	May 4	1.60	Aug. 3	6.50	31	9.57
9	.73	11	.89	10	7.09	Nov. 7	9.62
16	.90	18	2.12	17	7.68	14	9.52
23	.90	25	2.20	24	8.08	20	7.74
Mar. 2	1.41	June 1	2.10	31	8.49	28	7.83
9	1.34	8	2.79	Sept. 7	8.75	Dec. 4	6.36
16	1.37	15	3.72	13	8.88	10	4.54
23	1.32	22	1.66	20	9.10	19	4.24
30	1.46	29	3.43	21	9.24	26	4.10

Ct 3. Indiana Gas and Water Co., Inc. Tenth and Fulton Sts., Jeffersonville. T. 3 S., R. 7 E. Measurement made by personnel of Indiana Gas and Water Co., Inc. Records available: 1943-50. Measured by tape daily.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	24.75	22.45	22.35	22.50	21.75	21.45	24.05	25.55	22.95	23.37	25.59
2	.....	24.55	22.43	21.75	21.75	21.65	21.35	24.45	25.15	23.25	23.61	25.55
3	23.55	23.85	22.65	21.95	22.55	21.75	21.55	24.15	24.65	23.33	23.55	23.95
4	23.75	23.77	22.57	21.65	22.17	21.70	21.15	24.75	24.35	23.75	23.55	24.65
5	23.75	23.67	22.07	21.75	22.17	21.15	21.35	23.95	24.45	23.71	22.95	25.29
6	23.95	23.41	22.05	21.57	22.25	20.95	21.85	22.75	25.09	23.75	23.95	24.75
7	23.77	23.45	21.97	21.75	21.75	21.75	21.65	24.75	24.77	23.25	24.63	25.65
8	23.75	23.35	22.15	21.55	21.63	22.15	21.75	25.65	24.33	.....	23.75	26.05
9	23.77	22.95	22.55	21.35	21.95	22.15	21.56	25.75	23.95	22.57	23.35	25.75
10	23.55	22.75	22.59	21.55	21.75	21.95	21.89	24.25	23.90	23.95	23.85	24.95
11	23.65	22.75	22.45	21.75	21.85	21.75	21.85	24.29	23.27	23.75	24.15	24.95
12	23.57	22.73	22.17	21.57	22.35	21.75	22.15	24.75	23.55	23.75	23.96	25.35
13	23.75	22.15	21.85	21.77	22.15	21.35	21.27	23.31	24.75	23.85	23.75	25.17
14	23.55	21.95	21.93	21.65	21.85	21.15	22.17	24.67	24.21	23.55	24.50	25.65
15	23.65	22.03	22.55	21.75	22.25	21.55	21.35	25.05	24.39	22.75	24.09	26.17
16	23.97	22.07	22.55	21.65	21.75	21.75	21.23	25.40	24.45	23.25	24.51	25.95
17	23.75	21.87	22.75	21.55	21.25	21.75	21.25	25.40	23.45	24.35	24.55	24.96
18	23.75	21.95	22.65	21.75	21.65	21.65	22.05	25.87	23.75	23.61	24.35	24.95
19	23.77	21.75	22.17	21.85	21.55	21.15	21.85	25.75	24.15	23.67	23.75	25.35
20	23.75	21.75	22.15	22.15	21.75	21.11	22.09	24.75	24.09	24.15	23.75	26.23
21	23.95	21.85	22.53	22.05	21.85	20.99	22.05	24.57	23.85	23.75	24.63	26.15
22	24.55	22.35	22.55	21.75	21.75	21.75	21.93	24.90	23.75	23.75	25.55	26.09
23	24.25	22.75	21.95	21.65	22.25	21.75	21.55	25.02	23.75	23.59	23.75	25.75
24	23.99	22.35	22.55	21.95	21.75	21.55	21.84	25.45	23.35	24.47	24.15	24.75
25	23.89	22.35	22.75	22.55	21.50	21.25	23.15	25.75	23.41	24.61	24.05	24.95
26	23.95	21.95	22.67	21.85	21.50	21.35	22.65	25.75	23.67	24.45	.....	24.97
27	24.15	22.15	22.45	22.35	21.75	21.25	23.55	25.55	23.35	24.63	23.55	24.95
28	24.05	22.17	22.09	22.15	21.75	21.35	24.25	25.51	23.39	24.65	24.55	25.55
29	23.95		22.15	22.15	21.35	21.25	23.35	25.43	23.41	23.75	24.75	25.85
30	24.75		22.55	21.75	21.55	21.35	22.75	25.69	23.45	23.35	25.73	25.83
31	24.65		22.55		21.35		22.35	25.35		23.27		25.15

Ct 5. Owner unknown. Kenwood Ave. and Gutford Rd., Jeffersonville. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 2 S., R. 7 E. Records available: 1944-50. June 27, 7.43; July 14, 9.42; Oct. 12, 13.05.

Clinton County

Ct 1. Frankfort Water Co. Jackson and Washington Sts., Frankfort. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 21 N., R. 1 W. Measurements made by Ray Atkins. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	33.60	Feb. 24	40.55	Apr. 14	42.67	June 2	32.70
13	33.87	Mar. 3	40.56	21	39.75	9	35.92
20	35.12	10	40.75	28	37.25	16	34.90
27	34.98	17	40.98	May 5	34.76	23	35.36
Feb. 3	34.75	24	40.45	12	33.76	30	36.82
10	39.98	31	40.91	19	32.87	July 7	36.07
17	41.13	Apr. 7	41.51	26	34.75	14	36.25

Ct 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 21	38.07	Sept. 1	40.76	Oct. 13	36.77	Nov. 24	30.35
28	38.75	8	39.94	20	36.75	Dec. 1	29.90
Aug. 4	40.53	15	39.82	27	34.47	8	29.18
11	41.86	22	39.47	Nov. 3	36.03	15	28.27
18	39.78	29	39.42	10	34.38	22	27.62
25	39.63	Oct. 6	36.85	17	32.86		

Ct 2. Frankfort Ice Co. 300 West Ohio St., Frankfort. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 21 N., R. 1 W. Measurements made by Ray Atkins. Records available: 1944-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	52.10	56.95	57.40	53.70	50.05	53.95	56.05	57.40	56.35	.....	47.85
2	.....	51.65	57.20	57.60	53.55	50.15	53.75	56.55	58.00	55.60	.....	47.45
3	.....	51.75	57.20	57.05	53.25	50.35	53.10	56.90	57.50	55.50	.....	46.75
4	.....	51.85	57.25	57.15	53.05	50.00	53.15	57.15	57.10	55.30	53.55	46.25
5	.....	52.65	56.90	57.75	53.0	49.50	52.35	57.35	56.85	54.95	52.75	46.90
6	.....	52.75	56.80	58.10	52.75	50.00	52.75	57.65	57.10	54.80	52.00	47.00
7	51.70	53.45	56.65	58.05	52.70	50.80	53.0	57.75	56.95	.....	52.50	46.30
8	51.75	54.00	56.35	57.70	52.25	51.70	53.25	57.80	56.85	.....	52.25	46.75
9	51.70	54.50	57.20	57.85	51.95	52.50	53.50	57.90	56.85	54.50	51.70	47.10
10	51.25	55.65	57.45	57.45	51.95	52.05	53.25	58.05	56.60	54.40	52.35	46.25
11	52.30	56.40	57.10	57.25	52.20	52.20	53.85	58.00	56.10	54.60	52.05	45.50
12	52.00	57.00	57.10	57.55	51.70	51.80	54.15	58.25	56.45	54.30	51.45	45.80
13	51.65	57.05	56.80	57.70	51.90	52.0	54.55	57.70	56.40	54.70	50.80	46.30
14	51.90	56.90	57.30	57.70	51.30	52.05	54.20	56.70	56.50	.....	50.95	46.30
15	51.95	57.10	57.40	57.70	50.40	52.45	54.00	56.70	56.55	.....	50.75	45.90
16	52.90	57.00	57.30	57.55	50.75	52.40	53.90	56.65	56.85	.....	50.55	46.40
17	52.75	57.40	57.30	57.20	50.60	53.00	53.40	57.10	56.95	.....	50.80	45.65
18	52.00	57.55	57.55	57.20	50.70	52.65	54.25	57.10	56.55	.....	50.65	45.25
19	52.25	57.70	57.75	57.20	50.70	51.85	54.65	57.3	56.80	.....	49.65	45.40
20	52.95	57.85	57.30	57.20	51.20	51.95	54.75	57.05	57.10	h54.25	48.85	45.60
21	52.50	57.50	57.25	57.00	51.15	51.90	55.10	56.4	57.05	.....	49.60	45.70
22	52.10	57.10	57.25	56.85	50.50	52.30	55.35	56.45	56.80	.....	49.60	45.45
23	52.55	57.15	57.30	56.25	50.95	52.40	55.45	56.65	56.85	.....	48.85	45.20
24	52.15	56.90	57.25	55.55	51.10	52.95	55.15	56.70	57.10	.....	48.30	46.15
25	52.35	57.55	57.50	55.60	51.25	53.25	55.80	56.70	56.60	.....	47.90	48.20
26	52.45	57.45	57.35	55.55	51.75	52.75	56.05	57.30	56.85	.....	46.85	48.90
27	52.85	57.15	56.75	55.25	52.00	53.80	56.35	57.10	56.85	h52.67	46.85	51.25
28	52.35	56.80	56.85	55.30	51.50	53.80	56.00	56.70	56.70	.....	47.60	50.25
29	51.45	.....	57.45	54.95	50.55	53.60	56.15	57.10	56.75	.....	47.65	49.50
30	52.85	.....	57.95	54.10	50.25	53.65	56.00	57.55	56.75	.....	47.40	49.15
31	52.25	.....	57.90	.....	49.25	.....	55.60	57.70	.....	.....	.....	48.65

h Tape measurement.

Ct 4. Frankfort Light Co. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 21 N., R. 1 W. Burlington Ave. and Green St., Frankfort. Recording gage installed May 18, 1949. Measurements made by Ray Atkins. Records available: 1949-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	22.10	29.75	30.75	29.70	33.80	34.00	36.80	38.90	34.85	.....	28.00
2	.....	21.80	29.85	31.10	30.05	34.20	33.70	36.95	38.75	34.00	.....	27.65
3	.....	21.75	29.95	30.65	29.85	34.45	33.35	36.95	38.30	34.10	h30.75	28.10
4	.....	21.80	30.10	31.85	29.70	34.55	33.40	36.95	38.25	34.45	30.00	27.45
5	.....	21.60	30.15	33.40	30.10	34.45	33.40	36.95	38.55	34.50	30.05	29.35
6	.....	21.00	29.80	34.15	31.55	34.50	33.45	36.85	38.75	34.65	30.55	30.70
7	26.90	28.55	30.15	32.75	31.10	34.40	33.45	36.60	38.75	34.80	31.20	29.80
8	25.60	32.35	29.80	31.80	30.75	34.60	33.45	36.45	38.95	34.75	31.50	e28.75
9	24.30	29.50	31.65	31.80	31.55	35.40	33.55	36.40	39.10	34.00	31.75	28.25
10	23.65	24.95	33.10	31.00	32.95	36.30	33.50	36.45	38.75	33.70	32.10	27.80
11	24.10	21.50	33.70	30.55	33.75	35.95	33.90	36.50	38.05	33.85	33.40	27.50
12	23.65	19.95	33.10	30.80	32.45	35.20	34.95	36.70	38.10	33.75	33.45	28.00
13	23.35	18.15	31.40	29.75	31.35	34.95	35.70	36.80	38.30	h33.75	33.30	27.65
14	23.20	17.65	30.95	.....	31.10	34.65	36.25	36.25	38.55	34.20	31.70	27.50
15	23.40	18.20	30.70	31.05	31.30	34.60	36.75	37.00	39.10	34.00	30.25	27.45
16	.....	18.40	30.55	31.90	33.25	34.60	35.45	37.00	39.25	33.75	29.40	27.95
17	.....	19.05	31.00	31.75	33.20	34.60	34.95	37.15	39.30	33.65	29.50	27.60
18	.....	18.90	30.85	31.70	34.65	34.20	34.50	37.50	38.75	33.70	29.00	27.45
19	.....	18.75	30.75	26.30	34.80	34.00	34.15	37.4	38.75	33.65	29.00	28.75
20	h27.34	18.50	30.45	23.00	35.00	33.90	33.90	37.35	38.80	33.70	28.10	30.40

Ct 4--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	25.75	18.45	30.80	21.25	33.60	33.90	33.95	37.25	38.65	33.75	28.45	31.45
22	24.25	23.90	30.55	22.15	32.30	e34.30	34.05	37.35	38.40	33.60	30.10	32.00
23	23.10	27.00	30.50	23.15	31.70	34.20	33.75	37.65	38.40	33.40	31.20	30.10
24	22.50	27.95	30.55	23.65	33.05	34.40	33.55	38.00	38.40	33.45	29.60	28.90
25	22.20	28.70	30.55	22.10	33.95	34.25	33.45	38.10	37.85	33.50	28.90	31.65
26	22.05	29.10	30.85	26.50	34.50	34.00	33.95	38.45	38.15	33.65	28.90	32.45
27	22.55	29.20	30.35	28.45	34.80	33.85	34.70	38.20	38.20	33.70	28.15	33.50
28	22.35	29.30	30.20	29.65	34.45	33.95	35.50	37.90	38.25	33.65	27.85	30.45
29	22.00		30.85	30.00	32.50	e33.70	36.15	38.20	38.30	33.60	28.75	28.35
30	21.70		30.90	29.95	31.65	33.85	36.45	38.80	36.10	.....	28.35	28.00
31	21.50		30.65		32.90		36.55	39.25		.....		27.55

e Estimated.

h Tape measurement.

Crawford CountyCf 1. J. F. Blevins. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 3 S., R. 1 W. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	1.37	Mar. 3	3.47	May 5	6.23	July 24	10.18
13	1.49	11	3.00	12	4.26	31	10.24
20	2.58	17	3.28	19	5.01	Aug. 7	10.59
27	1.98	25	3.72	26	4.70	14	10.70
Feb. 3	2.10	Apr. 7	2.55	June 2	6.05	22	10.92
10	2.17	14	3.85	16	7.20	Sept. 22	9.26
18	2.30	22	4.85	23	6.42	Dec. 21	4.75
25	2.25	29	4.76	July 17	9.85		

Cf 2. Zenis R. Parkhill Estate. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 3 S., R. 1 E. Records available: 1944-50.

Jan. 6	0.26	Apr. 1	1.68	June 24	1.88	Oct. 7	2.78
15	+.67	8	1.52	July 1	3.10	14	2.58
20	+.64	15	2.05	8	3.54	28	3.11
27	.11	22	2.60	15	3.77	Nov. 4	3.37
Feb. 3	+.37	29	3.18	22	4.07	11	3.03
10	.51	May 6	2.83	29	4.18	18	2.93
18	1.30	13	.39	Aug. 4	4.37	Dec. 2	.78
25	1.32	20	1.89	11	4.47	9	1.41
Mar. 4	1.90	27	2.25	19	4.53	16	1.23
11	1.59	June 3	1.30	26	4.68	23	2.20
18	1.43	10	2.33	Sept. 2	3.78	30	2.48
25	1.60	17	2.57				

Cf 3. J. Elmer Faulkenburg. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 3 S., R. 1 W. Records available: 1944-50.

Jan. 7	11.50	Aug. 19	14.40	Oct. 7	14.80	Nov. 25	9.40
14	10.50	26	15.60	14	15.30	Dec. 2	10.40
21	10.00	Sept. 2	15.00	21	15.47	9	9.00
28	9.40	10	12.70	28	14.00	16	12.60
Feb. 4	9.10	16	14.80	Nov. 3	15.62	23	14.00
Aug. 5	15.40	25	12.30	11	15.62	30	14.10
12	15.20	30	12.80	18	15.50		

Daviess CountyDa 2. Thresa Seals. Cannelburg. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, T. 3 N., R. 5 W. Records available: 1949-50.

Jan. 9	0.89	Mar. 14	2.72	Apr. 24	2.86	June 13	6.63
20	1.90	21	2.53	May 22	5.17	Aug. 22	9.75
Feb. 20	1.26	28	2.42	30	6.34	Sept. 26	7.13
27	1.59						

Dearborn County

Db 1-8. Schenley Distillers, Inc. Old Quaker Plant, Greendale. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 5 N., R. 1 W. Measurements made by personnel of Schenley Distillers, Inc. 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	87.9	65.9	56.2	....	77.1	86.1	87.9	92.5	98.0	93.7	95.0	98.6
2	89.6	64.0	58.0	66.3	76.4	86.2	82.2	94.0	97.4	95.6	96.8	98.6
3	90.1	64.1	56.2	71.3	76.1	85.4	87.3	95.0	93.7	94.9	97.1	96.8
4	90.8	59.3	56.7	71.3	79.2	81.8	87.8	94.9	96.4	94.1	97.4	94.8
5	89.0	55.4	55.4	67.7	80.1	....	86.6	95.4	96.8	93.9	95.3	98.5
6	91.3	59.7	63.6	....	79.5	....	87.1	90.9	96.6	94.7	97.0	97.1
7	88.7	53.1	....	....	76.7	87.1	83.1	92.8	96.8	94.4	96.7	96.2
8	89.0	52.1	58.8	....	79.7	87.6	81.9	93.5	96.6	92.6	96.7	95.2
9	....	51.0	62.9	65.3	78.9	88.5	78.6	94.8	96.6	94.0	97.2	93.8
10	86.0	50.7	63.1	70.6	81.2	87.9	80.4	94.6	94.7	94.6	98.4	91.8
11	87.3	50.7	63.6	72.5	80.3	83.3	80.1	95.2	95.7	94.5	98.5	91.3
12	86.4	51.4	62.6	71.9	80.9	87.5	85.9	94.9	95.1	94.9	96.4	96.0
13	84.2	....	65.0	65.5	77.4	87.5	86.8	92.0	95.2	96.2	96.6	93.7
14	82.10	51.0	70.0	65.4	72.7	88.3	87.1	93.4	95.4	96.6	96.9	93.4
15	79.1	51.8	70.2	65.9	79.1	88.4	86.4	94.1	95.5	93.7	96.8	92.2
16	77.4	52.0	70.4	63.1	79.3	89.8	86.8	94.7	95.2	96.5	97.5	91.0
17	75.1	51.5	68.9	67.6	80.4	88.8	88.0	95.4	94.1	97.6	98.0	89.1
18	73.4	52.6	65.6	67.5	80.5	84.4	....	95.8	94.8	96.4	97.5	90.2
19	73.5	49.6	63.6	69.7	83.0	86.3	89.5	95.5	95.6	97.5	95.6	86.1
20	73.1	53.7	68.4	70.2	81.9	87.7	88.4	93.6	95.4	98.0	97.2	86.2
21	70.4	55.1	71.2	72.5	78.3	88.7	90.6	94.9	95.6	97.2	97.1	85.6
22	66.6	58.1	....	74.3	80.4	88.6	88.6	....	96.0	95.8	97.2	85.2
23	70.1	56.2	....	70.3	81.6	89.0	86.1	96.7	95.9	96.5	97.5	84.9
24	68.9	56.1	....	73.2	83.5	89.7	90.6	97.6	93.6	95.5	97.6	83.6
25	68.6	52.6	....	73.9	84.8	85.6	89.9	97.3	94.4	95.2	97.6	81.9
26	67.9	51.8	....	74.9	85.2	89.4	92.2	98.0	94.8	95.5	96.4	84.8
27	64.7	53.8	....	75.2	85.7	88.8	92.4	96.4	95.3	95.2	97.8	85.0
28	64.1	56.4	....	74.7	80.4	87.7	91.2	97.5	95.1	95.3	98.2	83.3
29	60.7	....	....	76.7	83.8	89.0	90.2	97.8	95.3	93.8	97.8	84.4
30	67.5	....	....	71.6	84.1	90.1	85.8	97.6	95.8	94.7	97.8	84.3
31	67.6	....	....	....	....	....	89.0	97.2	....	94.7	....	82.9

Db 1-10. Schenley Distillers, Inc. County Fairgrounds, Lawrenceburg. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 5 N., R. 1 W. Measurements made by personnel of Schenley Distillers, Inc. Records available: 1946-50.

Daily lowest water level from recorder graph

Day	Jan.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.90	....	31.2	32.0	36.3	39.6	42.3	40.1	41.6
2	41.60	....	31.9	31.5	36.6	39.7	37.4	40.8	41.9
3	40.60	....	31.2	31.7	37.4	38.3	39.2	41.4	36.6
4	41.40	....	29.8	....	37.6	39.3	....	41.8	39.8
5	41.00	....	31.6	29.8	37.8	40.1	....	36.9	40.7
6	41.30	....	31.6	30.1	37.1	40.2	....	43.0	e41.3
7	40.70	....	31.8	40.4	37.5	40.3	....	43.0	e41.5
8	38.60	24.2	32.1	30.5	37.8	40.4	....	43.1	e41.7
9	37.50	25.5	32.2	30.5	38.0	40.4	41.3	41.6	41.1
10	36.70	26.4	32.1	30.5	38.2	37.4	41.5	41.7	e39.3
11	35.30	26.7	30.4	30.6	38.4	37.9	41.6	41.6	36.1
12	33.20	26.6	31.6	30.6	38.5	38.8	41.9	41.3	35.9
13	....	....	32.1	30.7	37.8	39.4	42.1	42.6	34.1
14	....	....	32.4	31.3	38.2	39.8	42.1	42.9	....
15	....	....	32.5	31.7	38.5	40.5	39.5	43.1	....
16	....	26.4	32.6	32.0	38.7	40.6	41.6	43.4	....
17	....	26.6	32.7	33.1	38.8	35.2	42.0	43.4	....
18	....	27.0	31.0	33.9	38.9	41.7	42.1	40.4	....
19	....	27.7	32.0	34.5	39.0	42.0	42.5	37.1	....
20	....	28.3	32.8	35.2	38.0	42.2	42.6	38.7	....
21	....	27.0	33.0	35.6	38.3	42.5	42.9	40.6	....
22	....	28.4	33.2	35.7	....	43.7	42.6	41.7	....
23	....	29.0	33.3	34.2	39.8	42.8	41.9	42.2	....
24	....	29.7	33.4	32.2	38.3	36.1	42.3	42.5	....
25	....	30.2	31.8	32.4	39.1	41.7	42.4	42.6	....
26	....	30.00	32.9	32.9	39.3	42.1	42.6	36.8	....
27	....	29.9	32.8	33.3	38.2	42.3	42.8	37.9	....

Db 1-10--Continued.

Daily lowest water level from recorder graph

Day	Jan.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
28	32.3	33.7	37.9	42.3	42.9	39.6	....
29	29.6	32.8	34.0	38.8	42.2	42.9	40.5	....
30	30.7	33.1	34.0	39.0	42.2	38.1	41.1	....
31	30.9		35.9	39.3		39.2		....

e Estimated.

Db 2. City of Lawrenceburg. Municipal Water Plant. Third and Shipping Sts. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 5 N., R. 1 W. Air line measurements made by R. C. Patton. Records available: 1944-50. Dec. 11, 47; Dec. 17, 41; Dec. 24, 47; Dec. 31, 50.

Db 4. City of Lawrenceburg. Maple and High Sts. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 5 N., R. 1 W. Measurements made by R. C. Patton. Records available: 1944-50. Oct. 14, 43.84; Dec. 11, 16.68; Dec. 17, 23.17; Dec. 24, 33.34; Dec. 31, 36.30.

Db 5. City of Lawrenceburg. East Center St. between Arch and St. Clair Sts. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 5 N., R. 1 W. Measurements made by R. C. Patton. Records available: 1945-50. Oct. 14, 38.83; Dec. 11, 14.80; Dec. 17, 19.55; Dec. 24, 28.02; Dec. 31, 27.90.

Decatur County

Dc 1. Decatur County. Town of Letts. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 9 N., R. 9 E. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	2.10	Apr. 7	2.51	July 7	3.37	Oct. 6	2.36
14	1.83	14	2.20	14	3.83	13	3.89
20	2.41	21	2.92	21	2.70	20	3.60
27	2.58	28	2.80	28	3.60	27	3.49
Feb. 3	2.20	May 5	2.29	Aug. 4	3.70	Nov. 3	3.63
10	1.80	12	2.50	11	3.80	10	1.80
17	1.60	19	2.90	18	3.40	17	2.20
24	2.10	26	2.26	25	4.40	24	2.60
Mar. 3	2.56	June 2	3.30	Sept. 1	2.40	Dec. 1	1.50
10	1.90	9	2.40	8	2.80	8	2.22
17	1.40	16	2.80	15	2.60	15	2.50
24	1.52	23	2.26	22	2.66	22	2.79
31	2.30	30	3.50	29	2.73	29	2.57

De Kalb County

Dk 1. City of Auburn well 3. Auburn Water Works. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 34 N., R. 13 E. Air line measurements made by Ted Haynes. Records available: 1936-50.

Jan. 2	7.5	Mar. 27	9.5	June 19	10.5	Sept. 4	7.5
9	11.5	Apr. 3	10.5	26	9.5	11	13.5
16	8.5	10	7.5	July 3	6.5	25	16.5
23	9.5	17	9.5	10	11.5	Oct. 4	13.5
30	9.5	24	8.5	17	9.0	11	16.5
Feb. 6	11.5	May 1	8.0	24	9.5	27	18.5
13	10.5	8	9.0	31	9.5	Nov. 3	14.5
20	10.5	15	9.0	Aug. 7	10.5	17	15.5
27	10.5	22	9.5	14	10.5	Dec. 2	17.0
Mar. 6	10.5	29	9.0	21	9.3	8	11.5
13	10.5	June 5	9.5	28	13.5	18	10.5
20	10.5	12	8.5				

Dk 2. Worth Wareham. Waterloo. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 34 N., R. 13 E. Records available: 1945-50.

Jan. 6	1.40	Mar. 17	2.59	May 26	4.60	Aug. 4	4.10
13	2.46	24	2.97	June 2	5.40	11	4.60
20	2.31	31	2.94	9	5.31	18	5.01
27	2.25	Apr. 7	2.89	16	4.90	25	5.39
Feb. 3	2.19	14	2.87	23	4.85	Sept. 1	4.42
10	3.00	21	2.91	30	3.99	8	3.60
17	2.09	28	3.38	July 7	4.20	15	3.58
24	2.01	May 5	3.41	14	4.90	22	2.20
Mar. 3	2.03	12	4.19	21	2.20	29	3.38
10	2.55	19	4.44	28	4.15	Oct. 6	3.34

Dk 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 13	4.20	Nov. 3	4.75	Nov. 24	3.38	Dec. 15	3.20
20	4.60	10	3.98	Dec. 1	3.45	22	3.22
27	4.70	17	3.40	8	3.49	29	3.21

Delaware County

Dw 2. Merlin V. Painter. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 19 N., R. 9 E. Records available: 1945-50.

Jan. 9	9.38	Apr. 1	4.60	June 24	8.79	Sept. 17	12.65
16	3.90	8	4.75	July 1	8.96	23	13.15
21	4.42	15	5.94	10	9.43	30	13.34
Feb. 4	5.46	22	6.70	15	9.80	Oct. 14	13.16
11	4.79	29	6.13	22	10.25	28	13.95
18	3.75	May 6	7.30	Aug. 5	11.13	Nov. 5	14.19
25	4.96	14	6.87	19	11.79	11	14.12
Mar. 4	4.97	20	8.24	26	12.13	19	14.15
11	5.42	27	8.84	Sept. 2	12.45	Dec. 9	9.10
17	6.02	June 10	8.39	9	12.72	30	10.10
25	5.93						

Dubois County

Du 2. State of Indiana. Ferdinand State Forest. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 3 S., R. 3 W. Records available: 1936-37, 1942-50. Measurements made by Henry Huff.

Jan. 3	7.42	May 1	8.65	July 24	13.58	Oct. 3	13.86
10	7.00	17	6.90	28	14.35	23	15.57
30	7.33	23	7.33	Aug. 7	15.55	30	15.79
Feb. 6	7.29	29	9.30	14	15.59	Nov. 8	15.59
13	4.90	June 6	9.70	23	15.76	13	13.87
22	4.51	12	11.14	28	15.22	20	10.96
Mar. 6	9.17	22	11.65	Sept. 5	12.92	30	12.23
13	7.34	July 3	12.71	11	12.36	Dec. 11	10.61
Apr. 3	4.97	12	12.78	18	13.29	18	12.13
11	7.63	17	13.11	25	12.76	26	12.47
17	8.72						

Du 5. Harry Baker. Haysville. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 1 N., R. 5 W. Records available: 1944-50.

Jan. 7	13.77	Apr. 8	12.12	July 8	16.89	Oct. 14	19.61
14	13.08	15	13.10	15	16.68	21	20.88
21	13.76	22	14.89	22	16.34	28	20.31
28	13.28	29	14.65	29	16.78	Nov. 4	20.54
Feb. 4	12.67	May 6	15.12	Aug. 5	18.30	11	20.37
11	12.28	13	12.23	19	19.90	18	19.64
18	12.11	20	13.28	26	19.54	25	18.36
25	12.29	27	14.29	Sept. 2	19.10	Dec. 2	17.72
Mar. 4	13.11	June 3	12.20	9	18.34	9	17.09
11	13.08	10	13.10	19	17.84	16	16.87
18	14.39	17	13.79	23	18.09	23	17.24
25	14.41	24	13.12	30	18.74	30	17.73
Apr. 1	13.40	July 1	15.16	Oct. 7	19.11		

Elkhart County

Eh 2. Grace Leer. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 36 N., R. 7 E. Records available: 1945-50.

Jan. 1	5.00	Apr. 2	4.00	June 25	5.45	Oct. 2	5.89
8	4.60	9	4.40	July 10	5.93	9	5.94
22	5.01	16	4.68	16	6.04	23	6.07
31	4.74	23	5.12	24	5.15	30	6.11
Feb. 6	5.25	30	4.99	31	5.63	Nov. 5	6.15
12	5.12	May 7	5.25	Aug. 5	5.56	13	6.16
19	4.60	14	5.55	13	5.20	21	6.16
26	5.19	21	5.75	20	5.65	28	5.84
Mar. 5	5.05	28	5.87	27	5.88	Dec. 5	5.05
12	4.25	June 4	5.96	Sept. 3	5.25	11	4.58
21	4.60	12	5.88	10	5.75	18	5.22
26	4.83	18	6.05	24	5.66	24	5.45

Eh 3. City of Goshen. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 36 N., R. 6 E. Ninth and Jackson Sts. Drilled unused well, diameter 12 inches, reported depth 169 feet. Recording gage installed Oct. 21, 1950. Measurements made by personnel of Goshen Water Works. Records available: 1950.

Daily 2 a.m. water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 22	18.4	Nov. 8	18.4	Nov. 25	18.5	Dec. 12	18.3
23	18.1	9	18.5	26	18.3	13	18.3
24	18.3	10	18.5	27	18.2	14	18.3
25	18.3	11	18.5	28	18.6	15	18.4
26	18.5	12	18.4	29	18.6	16	18.4
27	18.5	13	e18.3	30	18.7	17	18.3
28	18.7	14	....	Dec. 1	18.8	18	18.1
29	18.5	15	18.5	2	18.7	19	18.4
30	18.3	16	18.5	3	18.5	20	18.4
31	18.6	17	18.6	4	18.2	21	18.5
Nov. 1	18.6	18	18.6	5	18.4	22	21.6
2	18.7	19	18.4	6	e18.6	23	18.3
3	18.7	20	18.2	7	....	24	18.1
4	18.8	21	18.5	8	18.6	25	18.0
5	e18.5	22	18.7	9	18.5	26	17.9
6	18.1	23	18.7	10	18.3	27	18.1
7	18.4	24	18.4	11	18.0	28	18.3

e Estimated.

Fayette County

Fa 2. Irene Kerr. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 14 N., R. 12 E. Records available: 1946-50.

Jan. 3	3.11	Apr. 5	2.52	July 5	5.14	Oct. 5	5.52
10	2.43	13	3.40	12	5.96	12	5.78
18	2.59	20	4.02	21	6.47	19	6.12
24	2.37	26	4.36	27	6.89	26	6.50
Feb. 2	2.85	May 4	3.07	Aug. 3	7.09	Nov. 2	6.77
7	2.88	11	3.39	9	7.48	9	6.06
15	2.48	18	4.28	16	7.85	16	5.45
22	2.45	24	3.85	24	8.25	24	3.18
Mar. 1	3.02	June 1	4.85	31	8.56	29	4.06
8	3.43	8	4.94	Sept. 7	5.85	Dec. 7	2.46
16	3.11	15	5.59	15	6.29	14	3.39
23	2.88	22	5.45	21	5.93	20	4.27
30	2.91	28	4.59	28	4.66	28	4.72

Floyd County

F1 1. Mr. Shane. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, T. 3 S., R. 6 E. Records available: 1943-50.
Feb. 23, 14.03; July 14, 38.27; Oct. 12, 42.00.

F1 2. Mr. Randall. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 3 S., R. 6 E. Records available: 1943-50.
Feb. 23, 1.37; May 24, 35.55; July 14, 34.37; Oct. 12, 37.15.

F1 3. Mr. Heil. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 3 S., R. 6 E. Records available: 1943-50.
Feb. 23, 7.69; May 24, 11.36; July 14, 12.99; Oct. 12, 15.26.

Fountain County

Fo 1. Town of Hillsboro. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 19 N., R. 7 W. Records available: 1944-50.

Jan. 2	39.35	Apr. 6	34.75	July 5	36.42	Oct. 3	38.88
10	36.40	12	34.46	11	36.83	11	38.72
17	35.42	18	34.26	18	37.22	17	38.99
24	34.90	25	34.55	26	37.30	24	38.94
31	37.35	May 3	34.98	Aug. 1	37.75	31	39.06
Feb. 7	35.52	9	35.22	9	38.09	Nov. 8	39.08
15	35.05	17	36.00	15	38.34	14	39.29
22	36.30	23	36.27	22	38.76	21	39.25
Mar. 1	34.20	31	36.62	29	38.95	28	39.32
7	33.28	June 6	36.58	Sept. 5	39.10	Dec. 5	39.29
14	34.89	13	36.50	12	38.90	12	38.97
21	34.98	21	33.40	19	39.12	19	38.94
28	35.06	28	36.40	26	39.02	26	39.37

Franklin County

Fr 1. Town of Brookville. Ninth and Noble Sts. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 9 N., R. 2 W.
Measurements made by Walter Cleaver. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	20.50	Apr. 8	24.50	July 8	28.50	Oct. 14	28.50
14	22.00	15	25.25	15	28.50	21	28.38
23	24.50	22	27.50	22	28.25	28	28.50
28	20.75	29	27.25	29	28.75	Nov. 5	28.38
Feb. 4	25.50	May 6	26.25	Aug. 5	29.00	11	28.00
11	23.50	13	27.50	19	29.25	18	28.38
18	24.50	20	27.75	26	29.50	25	27.50
26	25.25	27	28.25	Sept. 2	28.50	Dec. 2	28.38
Mar. 4	25.50	June 3	28.25	9	28.25	9	25.50
11	26.25	10	28.25	16	28.50	16	26.25
18	26.38	17	28.00	23	26.50	23	26.38
25	26.00	24	26.50	30	27.25	30	27.25
Apr. 1	25.75	July 1	28.25	Oct. 7	28.25		

Fr 4. Henry H. Harmeyer. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 10 N., R. 11 E. Records available: 1944-50.

Jan. 7	28.91	Apr. 8	28.63	July 8	24.66	Oct. 7	25.74
14	28.45	15	25.27	15	25.15	14	25.46
21	28.07	22	24.64	22	24.51	21	28.31
28	27.46	29	25.41	29	24.74	28	26.13
Feb. 4	26.78	May 6	23.42	Aug. 5	25.72	Nov. 5	27.47
11	24.69	13	26.46	12	26.45	11	26.92
18	25.71	20	24.28	19	26.86	18	25.45
25	26.47	27	23.51	26	25.87	25	26.12
Mar. 4	26.69	June 3	24.22	Sept. 2	25.04	Dec. 2	25.64
11	27.07	10	25.39	9	24.14	9	25.34
18	29.36	16	23.68	16	24.76	16	28.46
25	28.43	24	23.47	23	25.46	23	29.33
Apr. 1	29.94	July 1	23.96	30	26.17	30	28.82

Gibson County

Gi 1. Oakland City College. Oakland City. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 2 S., R. 9 W. Records available: 1944-50.

Jan. 2	18.38	Apr. 3	13.48	July 3	16.30	Oct. 2	17.29
9	16.45	10	15.38	10	16.44	9	17.14
16	14.25	16	15.65	17	16.54	17	17.46
23	17.40	24	15.62	24	16.60	23	17.41
30	16.29	May 1	15.95	31	16.60	30	17.50
Feb. 6	16.29	8	16.20	Aug. 7	17.64	Nov. 6	17.62
13	12.87	15	15.70	14	16.89	13	17.67
20	16.09	22	15.89	21	16.97	20	15.56
27	15.86	29	15.90	28	17.00	27	17.28
Mar. 6	15.80	June 5	15.93	Sept. 4	17.55	Dec. 4	16.83
13	16.16	12	16.12	11	16.94	11	17.06
20	16.14	19	16.00	18	17.26	18	17.38
27	12.36	26	16.18	25	17.29	26	17.36

Gi 2. James C. Gardner, Jr. Owensville. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 3 S., R. 12 W. Records available: 1947-50.

Jan. 2	8.08	Mar. 11	3.62	Apr. 29	4.32	July 8	7.85
16	1.22	18	3.60	May 13	7.73	22	10.00
21	2.02	Apr. 1	4.05	27	10.53	29	10.54
Feb. 4	2.81	8	2.44	June 10	6.40	Aug. 20	12.44
18	2.45	15	4.57	17	6.65	28	14.88
25	2.85	22	5.63	24	6.16	Sept. 4	11.05
Mar. 4	3.67						

Grant County

Gt 2. City of Marion. Nebraska and Eighth Sts. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 24 N., R. 8 E.
Measurements made by personnel of Marion Waterworks. Records available: 1945-50.

Gt 2--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
1	73.5	73.7	73.2	76.0	75.6	75.8	76.4
2	69.70	71.8	74.2	74.5	75.2	76.1	75.8
3	71.4	73.5	74.5	75.7	75.7	76.2	75.7
4	72.7	71.6	75.1	75.9	75.5	76.4	75.5
5	73.7	73.0	74.4	76.2	76.3	75.4	74.8
6	71.5	71.1	73.3	75.5	75.5	76.1	76.4
7	73.3	72.7	75.5	75.4	76.2	76.4	76.9
8	74.0	71.2	75.9	76.1	75.0	76.6	77.2
9	73.9	72.5	76.3	74.4	76.1	76.6	76.6
10	72.1	73.5	74.6	74.9	76.2	75.4	77.1
11	74.2	71.6	75.5	75.9	75.0	76.1	77.2
12	72.2	73.2	73.9	75.0	74.8	76.2	77.3
13	73.4	70.0	74.3	74.9	74.2	74.7	77.2
14	72.2	71.8	73.7	75.5	75.5	74.7	77.1
15	73.5	73.0	75.7	75.5	74.9	74.6	77.1
16	71.6	73.5	75.8	76.1	76.4	75.1	77.3
17	73.1	71.6	74.1	73.8	76.8	75.7	76.8
18	73.6	73.2	75.7	75.2	77.2	75.1	77.4
19	72.2	73.7	74.1	74.8	77.5	73.2	78.9
20	72.2	70.8	75.3	75.1	77.7	75.4	77.8
21	73.5	72.5	73.4	75.5	77.9	75.5	77.9
22	73.9	73.0	75.9	75.0	75.9	75.1	77.9
23	71.3	71.4	74.2	75.3	77.2	75.3	....
24	72.8	72.6	76.2	73.3	77.7	75.8	....
25	73.9	72.4	75.3	75.2	76.3	75.4	....
26	72.2	72.5	74.8	74.7	76.2	75.2	....
27	73.9	72.0	75.3	74.5	76.1	75.8	....
28	71.7	72.6	74.8	75.8	74.4	75.5	....
29	72.9	....	76.2	75.3	75.6	75.3	....
30	71.3	....	75.5	75.4	75.7	76.1	....
31	72.6	....	76.9	....	75.6	....	....

Gt 5. Anaconda Wire & Cable Co. Marion. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 24 N., R. 8 E.
Measurements made by C. C. Bishop. Measurement discontinued Apr. 10, 1950. Records
available: 1945-50.

Daily water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	Day	Jan.	Feb.	Mar.	Apr.
1	.....	48.90	49.15	49.25	17	49.15	47.75	49.90	.....
2	.....	49.65	.....	47.90	18	49.45	47.20	49.40	.....
3	52.55	50.25	.....	48.10	19	49.80	46.30	48.00	.....
4	52.55	49.80	.....	48.45	20	49.95	47.00	48.35	.....
5	52.30	48.45	.....	48.95	21	49.40	47.65	48.85	.....
6	51.95	48.70	48.00	49.30	22	48.30	48.10	49.15	.....
7	51.25	49.15	48.00	49.35	23	48.75	48.25	49.50	.....
8	49.90	49.35	48.35	48.90	24	49.15	48.40	49.85	.....
9	49.95	49.55	.....	47.60	25	49.30	48.25	49.65	.....
10	50.05	49.60	.....	47.65	26	49.40	47.50	48.35	.....
11	50.25	49.15	.....	.....	27	49.35	.....	48.55	.....
12	50.70	47.95	.....	.....	28	48.85	.....	48.70	.....
13	50.90	48.00	.....	.....	29	47.55	.....	49.00	.....
14	50.50	47.85	.....	.....	30	48.05	.....	49.35	.....
15	49.00	47.55	49.50	.....	31	48.55	.....	49.60	.....
16	48.95	47.60	49.80	.....				

Gt 7. Anaconda Wire & Cable Co. Marion. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 24 N., R. 8 E.
Drilled unused well, diameter 24 inches, depth 76 feet. Measurements made by C. C. Bishop.
Records available: 1950.

Daily lowest water level from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49.95	52.90	56.25	56.25	.....	60.55	55.85	53.75
2	50.55	53.50	54.75	56.90	.....	60.00	55.90	52.95
3	51.00	52.80	53.85	57.30	.....	60.10	55.75	51.70
4	52.00	51.40	53.05	57.85	.....	60.30	55.05	51.85
5	52.20	52.15	.....	58.45	59.85	60.30	54.05	52.05
6	51.30	52.65	.....	58.95	60.25	60.50	54.35	52.50
7	49.90	53.20	.....	59.40	60.40	60.40	54.70	52.90
8	51.05	53.85	.....	59.60	60.50	60.10	54.85	53.05
9	51.35	54.40	.....	59.65	60.70	60.15	.....	52.35
10	51.80	54.10	.....	59.80	60.65	60.30	.....	50.90

Gt 7--Continued.

Daily lowest water level from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	52.00	53.25	53.80	59.90	60.95	60.75	.....	.....
12	.....	52.25	53.40	54.70	60.00	61.00	61.30	.....	.....
13	50.65	51.50	54.00	55.05	60.10	60.95	61.65	53.35	.....
14	50.90	50.00	54.60	55.35	60.30	61.05	61.80	53.75	52.90
15	50.00	50.75	55.10	54.55	60.45	61.15	61.90	53.95	53.35
16	48.60	51.40	55.45	53.45	60.50	61.20	62.25	54.45	52.65
17	49.50	51.90	55.00	54.55	60.60	61.15	62.45	54.60	51.25
18	50.10	52.25	53.25	55.45	60.55	61.10	62.60	53.90	51.85
19	50.55	52.60	53.75	56.00	60.45	61.35	62.65	52.65	52.25
20	50.80	.....	54.40	56.45	60.40	61.60	60.95	53.15	52.55
21	51.00	.....	54.95	56.70	60.20	62.10	59.65	53.25	52.80
22	50.10	.....	55.40	50.00	60.10	62.05	58.50	53.40	53.00
23	48.70	51.40	55.75	54.45	60.05	61.50	58.45	52.55	52.10
24	49.50	52.35	55.80	55.25	60.05	60.65	58.15	52.80	50.65
25	49.90	53.15	55.15	55.80	60.00	59.90	57.95	51.80	49.80
26	50.35	54.05	55.65	56.15	59.90	60.00	57.75	50.75	51.20
27	50.80	53.35	56.20	56.50	59.90	60.00	57.50	51.85	52.70
28	51.20	51.80	56.70	56.75	59.75	60.05	57.85	52.40	53.85
29	50.20	52.45	56.65	56.30	59.70	60.35	55.55	52.80	54.75
30	48.95	51.80	56.80	54.75	.....	60.55	55.60	53.40	55.15
31	.....	52.15	.....	55.60	.....	.....	55.80	.....	55.45

e Estimated.

Hamilton County

Ha 2. Public Service Co. of Indiana. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 19 N., R. 5 E. Noblesville.
Measurements made by Ted Marbaugh and Robert Clover. Records available: 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	22.82	Mar. 27	18.74	June 25	20.58	Oct. 9	22.42
9	19.42	Apr. 3	19.14	July 3	21.16	23	22.37
16	18.22	10	18.12	10	20.47	30	22.69
23	18.02	17	19.16	17	20.14	Nov. 6	22.67
30	18.52	24	19.19	24	21.27	13	22.42
Feb. 6	23.72	May 1	18.92	31	21.42	20	22.12
13	23.52	15	19.92	Aug. 7	22.32	27	22.42
20	17.52	22	19.72	Sept. 5	24.72	Dec. 4	21.82
27	18.32	29	19.92	11	22.12	11	22.82
Mar. 6	18.98	June 5	19.62	16	22.22	18	22.52
13	18.18	12	20.02	25	21.82	26	22.12
20	18.02	19	20.27	Oct. 2	22.12		

Hancock County

Hc 1. New York Central System. Maxwell. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 16 N., R. 7 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	23.90	June 30	23.90	Aug. 16	25.88	Oct. 5	25.96
Feb. 3	23.70	July 5	24.06	23	26.03	11	25.93
10	23.80	12	24.58	30	26.12	18	26.13
Mar. 30	24.10	19	24.81	Sept. 5	26.09	25	26.34
Apr. 7	24.00	26	25.11	13	26.28	Nov. 8	26.24
21	24.76	Aug. 2	25.42	20	26.23	15	25.98
28	24.96	9	25.63	26	25.67	29	25.43

Harrison County

Hr 1. State of Indiana. Harrison County State Forest. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 4 S., R. 2 E. Measurements made by Max Parker. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	0.02	Mar. 5	1.10	May 5	1.34	July 5	2.44
8	.76	12	1.09	13	.81	15	2.48
15	.39	19	1.21	20	2.30	22	2.35
22	.79	26	1.15	27	2.28	29	2.37
29	.69	Apr. 2	1.27	June 3	2.15	Aug. 5	2.66
Feb. 5	.79	9	1.34	10	2.31	14	2.70
12	.49	16	1.80	17	2.39	19	1.39
19	.79	23	2.06	24	1.92	28	2.48
26	1.08	30	1.69	July 1	2.55	Sept. 2	.38

Hr 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 9	1.86	Oct. 14	1.98	Nov. 11	0.89	Dec. 10	0.80
16	2.00	21	2.11	18	.87	16	.85
24	2.08	28	1.98	26	.87	23	.89
30	2.18	Nov. 4	1.25	Dec. 2	.71	30	1.30
Oct. 7	2.18						

Hr 3. State of Indiana. Harrison County State Forest. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 4 S., R. 2 E. Measurements made by Rush Curtis and Richard L. Zweig. Records available: 1938-50.

Jan. 5	7.30	Apr. 9	2.71	July 8	4.53	Oct. 7	6.35
8	2.80	16	2.14	15	4.85	14	6.39
15	2.30	23	3.25	22	5.33	21	6.41
22	3.02	30	3.46	29	5.37	28	6.42
29	2.70	May 5	3.05	Aug. 5	5.70	Nov. 4	6.44
Feb. 5	2.72	13	2.74	14	5.90	11	3.00
12	2.48	20	3.13	19	5.85	18	2.90
19	3.02	27	3.20	28	6.12	26	2.85
26	3.04	June 3	3.05	Sept. 2	6.11	Dec. 2	2.76
Mar. 5	3.14	10	3.33	9	6.07	10	2.77
12	2.69	17	3.35	16	6.14	16	2.92
19	3.02	24	2.87	24	6.25	23	3.05
26	3.13	July 1	3.86	30	6.29	30	3.10
Apr. 2	3.13						

Hendricks County

Hd 1. Brocia A. Smith. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 14 N., R. 1 W. Records available:

1944-50.

Jan. 2	4.45	Apr. 3	0.88	July 10	3.50	Oct. 9	4.83
9	2.10	10	.60	17	3.97	16	4.89
16	1.10	17	.75	24	4.25	23	5.06
23	1.62	24	1.92	31	4.60	30	5.32
30	.60	May 1	1.36	Aug. 7	5.00	Nov. 6	5.50
Feb. 6	1.54	8	1.67	14	5.32	13	5.10
13	.52	15	1.85	21	5.55	20	4.75
20	.86	22	2.58	28	5.79	29	3.66
27	1.00	29	3.08	Sept. 4	5.49	Dec. 4	2.96
Mar. 6	1.13	June 5	2.45	11	5.59	11	2.27
13	1.27	12	3.70	18	5.84	19	3.07
20	1.36	27	2.87	25	4.79	25	3.36
27	1.18	July 3	3.05	Oct. 2	4.66		

Hd 2. John C. Gambold. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 15 N., R. 2 W. Records available:

1948, 1950.

Jan. 8	17.53	Mar. 4	16.00	Apr. 23	17.43	June 5	19.67
16	18.57	12	16.98	30	17.65	12	19.73
22	18.59	26	16.75	May 9	17.63	20	18.76
30	16.55	Apr. 2	15.44	14	18.09	25	18.35
Feb. 11	16.97	9	14.93	23	19.09	July 9	19.31
19	15.63	16	16.38	June 2	19.65	22	20.21
27	15.63						

Hd 3. John C. Gambold. Coatesville. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 15 N., R. 2 W. Records available: 1948, 1950.

Jan. 8	2.74	Mar. 4	2.53	Apr. 23	3.53	June 5	4.20
16	2.78	12	2.50	30	2.92	12	3.83
23	1.74	26	2.59	May 9	3.66	20	2.07
30	2.76	Apr. 2	2.10	14	3.87	25	3.16
Feb. 11	2.14	9	2.05	23	4.45	July 9	4.60
19	1.85	16	3.01	June 2	4.79	22	5.42
27	2.24						

Henry County

Hy 2. Gilbert M. Casey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 17 N., R. 9 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	14.10	Apr. 9	11.40	July 9	12.45	Oct. 8	14.90
8	12.20	16	12.05	16	13.05	15	15.20
15	10.25	23	12.40	23	13.20	22	15.30
22	10.55	30	12.35	30	13.60	29	15.45
29	10.92	May 7	12.55	Aug. 6	14.20	Nov. 5	15.60
Feb. 5	11.85	14	12.35	13	14.40	12	15.40
12	10.75	21	13.02	20	14.35	19	14.57
19	10.85	28	12.65	27	14.70	26	14.30
26	11.10	June 4	12.70	Sept. 3	15.10	Dec. 3	13.25
Mar. 5	11.80	11	12.25	10	15.20	10	12.16
12	12.20	18	12.30	17	15.35	17	12.80
19	12.10	25	12.50	24	14.55	24	12.90
26	12.30	July 2	12.52	Oct. 1	14.65	31	13.47
Apr. 2	11.50						

Howard County

Ho 4. John A. Moore. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 24 N., R. 4 E. Records available: 1945-50.

Jan. 17	2.06	Apr. 29	2.27	July 22	7.38	Oct. 14	7.43
21	2.74	May 6	2.58	29	7.62	21	7.70
Feb. 9	2.84	13	3.76	Aug. 5	7.88	28	7.84
18	1.56	20	4.54	12	8.24	Nov. 4	7.87
25	1.93	27	4.90	19	8.46	11	7.34
Mar. 4	3.63	June 3	5.37	26	8.87	18	6.56
11	3.34	10	5.84	Sept. 2	8.31	25	3.78
18	2.01	17	6.12	9	8.21	Dec. 2	3.82
25	1.71	24	6.28	16	8.33	9	2.34
Apr. 1	1.85	July 1	6.51	23	7.88	16	3.43
8	1.80	8	6.85	30	7.98	23	4.69
15	2.85	15	7.13	Oct. 7	7.44	30	5.29
22	3.36						

Huntington County

Hu 1. S. Woodward Schell. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 27 N., R. 8 E. Records available: 1945-50.

Jan. 1	4.20	Apr. 2	2.85	July 2	5.10	Oct. 8	8.20
8	5.40	9	2.80	9	5.45	15	8.25
15	2.20	16	2.90	16	5.70	21	7.70
22	2.80	23	1.80	23	6.30	28	7.10
29	2.80	30	2.50	30	7.00	Nov. 5	5.70
Feb. 5	3.20	May 7	3.00	Aug. 7	8.80	12	5.55
13	2.55	14	3.50	13	9.95	19	2.80
19	3.08	21	3.75	21	10.70	26	2.70
26	3.32	28	4.00	27	23.00	Dec. 3	2.23
Mar. 5	3.90	June 4	4.15	Sept. 3	6.70	10	2.00
12	2.35	11	4.50	10	6.85	18	2.50
19	2.50	18	4.75	17	7.80	24	2.45
26	2.75	25	5.00	Oct. 1	8.15	31	2.55

Jackson County

Jk 1. State of Indiana. Jackson County State Forest. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 5 N., R. 5 E. Measurements made by Curtis Reynolds. Records available: 1936-50.

Jan. 2	9.27	Feb. 27	3.86	Apr. 24	6.57	June 19	6.62
9	5.31	Mar. 6	5.14	May 1	6.66	26	6.11
16	2.55	13	4.67	8	5.11	July 3	8.11
23	5.52	19	5.06	15	4.65	10	8.94
30	4.03	27	4.81	22	5.04	17	9.57
Feb. 6	5.39	Apr. 3	3.44	29	6.51	24	9.81
13	2.86	10	4.27	June 5	5.48	31	10.15
20	4.27	17	5.67	12	6.64	Aug. 7	10.71

Jk 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 14	11.03	Sept. 18	10.48	Oct. 23	10.46	Nov. 27	6.66
21	11.36	25	9.62	30	10.59	Dec. 4	4.68
28	11.88	Oct. 2	9.91	Nov. 6	10.47	11	4.99
Sept. 4	11.53	9	10.06	13	8.69	18	6.00
11	11.38	16	10.27	20	6.43	25	6.44

Jk 2. Hiram H. Martin. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 6 N., R. 2 E. Records available: 1944-50.

Jan. 2	14.06	Apr. 3	10.61	July 3	11.40	Oct. 2	12.48
9	13.47	10	10.75	10	11.75	9	11.94
16	12.31	17	10.78	17	12.00	16	12.40
23	11.87	24	10.74	24	12.35	23	12.31
30	11.75	May 1	10.69	31	12.63	30	12.55
Feb. 6	11.34	8	10.82	Aug. 7	13.15	Nov. 6	12.61
13	11.24	15	10.31	14	13.33	13	12.68
20	11.16	22	10.46	21	13.35	20	11.58
27	11.12	29	10.74	28	13.76	28	11.64
Mar. 6	11.04	June 5	10.96	Sept. 3	13.85	Dec. 4	11.44
13	10.90	12	11.30	11	13.42	11	11.22
20	11.90	19	11.42	18	13.50	18	11.50
27	10.58	26	11.42	25	13.02	25	12.48

Jasper County

Jp 3. Harry E. Brunton. Parr. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, T. 30 N., R. 7 W. Records available: 1948-50.

Jan. 2	11.26	Mar. 27	8.68	July 10	10.00	Oct. 2	10.59
9	10.98	Apr. 3	9.03	17	10.20	9	10.32
16	10.53	8	8.65	24	9.07	23	9.89
23	10.17	17	9.00	31	10.10	30	10.42
30	10.28	24	8.95	Aug. 7	10.38	Nov. 6	10.39
Feb. 6	9.94	May 1	8.96	14	10.28	13	10.58
13	9.46	29	9.21	21	10.37	20	10.25
22	9.26	June 5	9.48	28	10.37	27	10.31
28	9.03	12	9.63	Sept. 5	10.54	Dec. 4	10.35
Mar. 6	9.56	19	9.40	11	10.47	11	10.29
13	9.26	26	9.45	17	10.72	18	10.37
19	9.27	July 3	9.73	25	10.56	26	10.21

Jay County

Jy 2. Armstrong Cork Co. Dunkirk. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, T. 22 N., R. 12 E. Measurements made by J. T. Martin. Records available: 1947-50.

Jan. 3	34.57	Mar. 25	32.58	July 8	31.70	Sept. 23	31.90
9	34.69	Apr. 1	32.76	22	31.70	Oct. 7	31.98
16	33.52	29	32.71	29	31.83	14	34.25
21	33.63	May 6	32.47	Aug. 5	32.14	21	34.15
28	33.52	20	31.59	12	31.77	28	34.09
Feb. 4	32.69	27	31.97	19	31.60	Nov. 11	33.79
11	32.57	June 3	32.67	26	33.24	Dec. 2	33.30
18	32.07	10	32.07	Sept. 2	31.83	9	33.77
25	32.73	17	31.87	9	32.02	16	33.58
Mar. 4	32.11	24	31.83	16	31.78	24	33.74
11	33.13	July 1	31.65				

Jefferson County

Jf 2. State of Indiana. Clifty Falls State Park. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 4 N., R. 10 E. Measurements made by Lewis Summers. Records available: 1937-50.

Jan. 5	27.74	Mar. 16	27.57	May 19	27.32	July 6	27.14
26	27.10	22	27.23	June 1	26.97	Nov. 2	27.13
Feb. 16	27.11	Apr. 20	27.99	8	27.18	28	26.94
27	27.09	25	27.10	22	27.30	Dec. 11	26.84
Mar. 9	28.30	May 4	27.05				

Jennings County

Jn 1. State of Indiana. Muscatatuck State Park. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 6 N., R. 8 E.
Records available: 1936-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.60	3.00	3.80	3.45	3.50	5.10	5.95	11.55	10.75	10.35	11.50	6.70
2	6.75	2.30	3.80	3.60	3.45	5.05	6.30	11.65	10.65	10.50	11.50	6.70
3	6.55	2.65	4.10	2.40	3.45	5.00	6.60	11.75	10.60	10.65	11.50	3.50
4	.49	3.15	4.25	1.20	3.55	1.65	6.90	11.85	10.55	10.75	11.50	2.60
5	1.40	3.60	4.40	1.40	3.65	2.35	7.25	11.95	10.50	10.85	11.55	3.60
6	1.00	3.85	4.50	2.00	3.75	2.95	7.55	12.00	10.60	10.95	11.60	4.30
7	1.65	4.10	4.55	2.40	4.05	3.50	7.90	12.10	10.65	11.05	11.65	2.75
8	2.55	4.45	4.50	2.65	4.25	3.90	8.25	12.15	10.70	11.10	11.65	2.35
9	3.20	1.30	4.75	3.00	4.35	4.30	8.50	12.25	10.70	11.10	10.60	3.20
10	3.75	2.15	5.00	3.25	4.40	4.60	8.80	11.60	10.70	11.15	7.80	3.70
11	2.10	2.75	4.95	3.30	3.70	4.90	9.05	11.70	10.60	11.20	7.65	4.20
12	3.00	3.35	4.50	3.60	3.55	5.30	9.30	11.70	10.45	11.25	7.70	4.50
13	2.80	2.30	3.90	3.75	3.45	5.65	9.45	11.75	10.25	11.35	7.75	4.85
14	1.45	.50	3.55	3.95	3.45	5.90	9.65	11.80	10.15	11.45	7.90	5.10
15	2.40	1.50	3.70	4.10	3.45	6.25	9.85	11.85	10.10	11.50	8.05	5.20
16	1.30	2.10	3.75	4.20	3.55	6.50	10.05	11.95	10.15	11.65	8.10	5.45
17	2.25	2.65	3.90	4.35	3.95	6.80	10.20	12.05	10.25	11.75	8.25	5.60
18	2.85	3.20	4.00	4.40	4.20	7.15	10.30	12.10	10.45	11.80	8.30	5.75
19	3.60	3.55	4.30	4.50	4.45	7.30	10.45	12.05	10.60	11.80	8.20	e5.85
20	4.30	3.90	4.40	4.65	4.70	5.05	10.50	11.85	10.70	11.80	3.50	e5.95
21	4.75	4.10	2.50	4.75	4.95	4.75	10.65	11.85	10.80	11.85	3.05	6.10
22	4.95	2.85	2.60	4.90	5.10	4.75	10.80	11.85	10.60	11.85	4.00	6.20
23	5.15	1.75	2.90	4.95	5.25	4.55	10.90	11.95	9.75	11.85	4.70	6.30
24	5.30	2.35	3.30	5.00	5.35	4.50	11.00	12.05	9.55	11.70	5.35	6.25
25	3.15	3.00	3.55	5.05	5.50	4.60	11.10	12.10	9.60	11.60	5.65	6.35
26	3.30	3.50	3.80	5.00	5.65	4.70	11.25	12.20	9.70	11.60	5.60	6.30
27	1.75	3.90	3.75	4.90	5.90	4.80	11.30	12.25	9.80	11.55	5.80	6.50
28	2.50	4.05	1.35	4.80	6.05	5.15	11.35	12.30	9.90	11.50	6.15	6.55
29	2.95		2.10	4.80	6.15	5.35	11.40	11.00	10.10	11.50	6.45	6.50
30	2.55		2.85	4.35	6.00	5.65	11.45	10.80	10.20	11.50	6.55	6.55
31	2.90		3.30		5.45		11.50	10.80		11.50		6.65

e Estimated.

Knox County

Kn 1. William M. Downey. Monroe City. SE $\frac{1}{4}$ sec. 12, T. 2 N., R. 9 W. Records available: 1944-50.

Jan. 5	32.50	Apr. 6	30.15	July 6	30.10	Oct. 5	30.70
12	32.30	13	30.00	13	30.14	12	30.82
19	32.10	20	29.85	20	30.24	19	30.83
26	31.95	27	29.84	27	30.30	Nov. 3	30.98
Feb. 2	31.60	May 4	29.75	Aug. 3	30.32	9	31.04
9	31.59	11	29.84	10	30.42	16	31.03
16	31.30	18	29.84	17	30.50	24	31.01
23	30.88	25	29.88	24	30.60	30	31.00
Mar. 2	30.75	June 1	29.90	31	30.58	Dec. 7	30.90
9	30.60	8	29.97	Sept. 7	30.62	14	30.80
16	30.40	15	29.94	14	30.68	21	30.79
23	30.29	22	29.96	21	30.64	28	30.70
30	30.32	29	30.05	28	30.67		

Kosciusko County

Ko 2. State of Indiana. Wawasee State Fish Hatchery. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 34 N., R. 7 E. Measurements made by C. R. Silvens. Records available: 1938-39, 1941-50.

Water level above land-surface datum

Jan. 7	1.79	Mar. 11	2.75	May 13	3.00	July 15	2.75
14	2.19	18	2.69	20	2.90	22	2.88
21	2.35	25	2.67	27	2.83	29	2.96
28	2.54	Apr. 1	2.88	June 3	2.96	Aug. 5	2.92
Feb. 4	2.46	8	3.12	10	2.96	12	2.81
11	2.46	15	3.17	17	3.00	19	2.90
18	2.44	22	3.23	24	2.96	26	2.88
25	2.44	29	2.98	July 1	2.92	Sept. 2	2.77
Mar. 4	2.46	May 6	2.98	8	2.71	9	2.81

Ko 2--Continued.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 16	2.73	Oct. 14	2.62	Nov. 11	2.50	Dec. 9	2.58
23	2.77	21	2.60	18	2.50	16	2.50
30	2.64	28	2.58	25	2.67	23	2.50
Oct. 7	2.62	Nov. 4	2.54	Dec. 2	2.54	30	2.58

Ko 3. Millard G. Stookey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 33 N., R. 5 E. Records available:

1945-50.							
Jan. 7	13.13	Mar. 27	11.77	June 19	8.93	Sept. 25	9.12
14	13.01	Apr. 3	11.64	July 3	9.50	Oct. 2	8.96
21	12.91	10	11.36	10	8.83	16	8.88
28	12.38	17	10.66	17	8.82	30	8.98
Feb. 4	12.04	24	9.89	24	8.66	Nov. 6	9.14
11	11.92	May 1	9.92	31	8.66	13	9.39
20	11.79	8	9.88	Aug. 23	8.76	20	9.48
27	11.73	15	9.48	28	8.78	Dec. 4	9.78
Mar. 6	11.77	29	9.24	Sept. 4	8.84	11	9.82
13	11.79	June 3	9.29	11	8.92	18	9.98
20	11.90	12	9.38	18	9.06	25	10.02

La Porte County

Lp 1. City of La Porte. Kankakee well field. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 37 N., R. 2 W. Measurements made by Arthur C. Baker. Records available: 1942-50.

Water level above and below land-surface datum

Jan. 7	+0.03	Apr. 8	0.16	July 8	+0.11	Oct. 7	8.30
14	.16	15	.24	15	4.19	14	1.10
21	.43	22	.16	22	.20	21	.80
28	.24	29	.08	29	.10	28	2.85
Feb. 4	.12	May 6	.21	Aug. 5	3.50	Nov. 4	1.10
11	.12	13	.19	12	4.30	11	1.35
18	.16	20	.30	19	1.80	18	1.50
25	5.20	27	.21	26	7.65	25	1.25
Mar. 4	4.90	June 3	+50	Sept. 2	3.80	Dec. 2	1.40
11	1.49	10	.05	9	4.40	9	1.50
18	.24	17	+35	16	2.90	16	13.10
25	.02	24	+52	23	8.40	23	6.15
Apr. 1	.01	July 1	+09	30	4.20	30	3.50

Lp 2. State of Indiana. Kankakee State Game Preserve. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 33 N., R. 3 W. Measurements made by Frank Burger. Records available: 1942-50.

Jan. 6	3.70	Apr. 8	0.34	July 8	3.32	Oct. 7	5.79
14	3.32	15	.56	15	4.01	14	5.88
21	2.87	22	1.16	22	3.42	21	5.93
28	2.41	29	1.32	29	3.67	28	5.96
Feb. 4	2.49	May 6	1.68	Aug. 5	4.08	Nov. 4	5.98
11	2.69	13	2.02	12	4.56	11	5.96
18	2.44	20	3.07	19	5.00	18	5.86
25	2.51	27	3.45	26	5.30	25	5.70
Mar. 4	2.60	June 3	3.68	Sept. 2	5.18	Dec. 2	5.49
11	2.00	10	3.69	9	5.37	9	4.60
18	2.05	17	3.97	16	5.48	16	4.63
25	2.16	24	2.64	23	5.60	23	4.82
Apr. 1	1.36	July 1	2.87	30	5.72	30	4.96

Lawrence County

Lw 1. David S. Cox. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 3 N., R. 1 W. Measurements made by David S. Cox. Measurement discontinued. Records available: 1944-50.

Jan. 5	10.70	Feb. 23	9.13	Apr. 13	15.33	June 1	17.94
12	10.74	Mar. 2	12.30	20	19.30	8	14.71
19	11.27	9	12.30	28	19.14	15	18.14
26	5.30	16	14.20	May 4	18.56	22	12.26
Feb. 2	11.22	23	15.25	11	15.30	29	17.90
9	13.20	30	13.20	18	17.06	July 6	21.20
16	13.25	Apr. 7	12.30	25	18.13		

Lw 2. Roscoe Ingram. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 4 N., R. 1 W. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	11.81	Apr. 4	9.94	July 5	21.38	Oct. 4	21.33
11	7.98	12	18.21	12	21.35	11	21.31
18	7.56	19	21.29	19	21.38	18	21.35
25	11.40	26	21.39	26	21.37	25	21.36
Feb. 2	11.11	May 3	21.08	Aug. 2	21.39	Nov. 1	21.38
8	17.39	10	21.19	9	21.38	8	20.88
15	8.11	17	21.18	16	21.37	14	19.41
22	10.61	24	21.38	23	21.36	22	14.33
Mar. 1	17.18	31	21.36	30	21.37	29	20.86
8	21.19	June 7	19.13	Sept. 6	21.29	Dec. 6	17.92
15	21.17	14	21.36	13	21.08	13	18.90
22	21.01	21	16.91	20	21.32	20	21.24
29	16.00	28	21.32	27	20.73	27	21.38

Madison County

Md 3. Mrs. Albert Closser. Frankton. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 21 N., R. 7 E. Records available: 1935-41, 1947-50.

Jan. 4	22.40	Mar. 21	19.52	May 30	20.09	Aug. 7	21.36
10	21.83	28	19.05	June 5	20.22	14	21.35
16	21.51	Apr. 4	18.97	13	20.36	21	21.59
23	21.02	11	18.92	19	20.51	28	21.81
30	20.63	17	19.10	26	20.72	Sept. 5	22.02
Feb. 7	20.98	24	19.20	July 4	20.61	12	22.11
15	20.04	May 1	19.58	11	20.68	19	22.30
21	19.60	8	19.65	17	20.75	26	22.32
Mar. 6	19.85	15	19.75	25	20.93	Oct. 5	22.45
13	19.85	22	20.10	31	21.24		

Md 6. Russell Wann. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 21 N., R. 7 E. Records available: 1947-50.

Jan. 1	5.88	Mar. 13	5.19	July 30	8.78	Sept. 17	11.49
15	4.60	20	4.61	Aug. 7	9.51	24	9.66
22	4.20	Apr. 4	5.37	13	9.90	Oct. 9	9.77
Feb. 5	4.89	May 1	5.77	20	10.54	16	11.60
20	4.08	26	6.83	27	10.85	23	9.96
27	4.99	June 5	7.19	Sept. 3	10.95	Nov. 6	9.80
Mar. 6	5.71	July 27	8.59	10	10.99	Dec. 5	4.68

Md 7. State of Indiana. Mounds State Park. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 19 N., R. 8 E.

Measurements made by personnel of Mounds State Park. Records available: 1946-50.

Jan. 2	7.30	May 22	2.56	Aug. 7	4.20	Oct. 23	6.04
9	5.30	30	2.28	13	4.00	30	6.17
15	2.62	June 5	2.08	21	4.60	Nov. 6	6.30
23	2.18	12	2.30	28	4.80	13	6.20
Mar. 20	.60	19	2.51	Sept. 4	5.00	20	6.10
27	.35	27	2.74	11	5.15	27	6.08
Apr. 17	.17	July 3	2.84	18	5.37	Dec. 4	6.24
24	.92	10	3.15	25	5.39	11	5.12
May 1	.90	17	3.30	Oct. 2	5.61	18	5.11
8	1.70	24	3.67	9	6.27	26	5.12
15	1.97	31	4.04	16	5.60		

Md 8. Indiana Die Castings Corp. 26th and H Sts., Elwood. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 21 N., R. 6 E. 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	30.7	37.6	35.4	39.7	40.7	....	39.5	47.6	52.9	44.9	51.1	48.4
2	31.9	39.6	36.2	21.3	43.5	....	26.0	49.3	h52.0	....	51.7	47.6
3	35.3	39.4	30.7	34.7	44.7	....	41.4	50.0	46.8	....	51.8	46.5
4	35.8	37.7	24.2	39.3	45.3	....	41.6	50.0	38.3	....	51.4	44.0
5	34.8	34.6	15.2	41.2	45.7	....	32.4	50.1	48.5	....	50.5	44.9
6	36.4	32.3	25.2	42.0	44.0	....	38.9	33.9	52.3	....	51.2	44.7
7	34.6	34.9	23.5	41.8	37.5	....	38.8	41.1	53.3	52.8	51.7	44.2
8	30.2	39.7	29.6	41.4	....	....	37.0	47.4	53.7	52.7	51.6	44.0
9	30.2	40.9	29.3	24.7	....	....	22.7	48.9	53.5	49.4	52.0	43.6
10	38.5	40.6	27.6	33.7	....	h29.6	35.1	49.5	50.6	36.4	51.5	41.8

Md 8--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	40.8	39.7	22.5	39.9	....	....	39.5	50.4	48.9	28.9	51.3	42.1
12	40.5	21.0	16.2	40.6	....	....	42.1	....	53.0	27.0	44.7	42.9
13	36.7	25.5	24.9	41.7	h30.7	....	42.1	42.7	54.1	26.4	49.2	43.2
14	35.5	37.0	....	40.0	21.7	....	42.1	46.1	54.6	25.9	50.3	43.4
15	29.8	38.2	....	34.0	....	....	41.9	49.5	53.9	25.3	50.6	44.1
16	16.8	38.5	....	17.6	....	43.2	35.3	50.9	53.1	25.3	50.5	44.1
17	35.0	41.3	....	33.5	....	36.0	45.0	51.1	51.0	41.5	51.0	44.6
18	36.0	41.0	h40.6	38.8	....	22.9	47.1	44.0	52.2	48.3	50.5	43.3
19	39.7	31.7	31.0	40.9	....	38.4	47.8	30.0	54.1	49.5	46.3	44.5
20	40.0	33.2	27.0	43.0	h37.8	44.0	48.5	26.5	55.4	50.4	44.7	45.0
21	40.0	39.4	35.8	43.9	26.00	46.4	49.4	38.2	55.4	50.3	47.5	45.6
22	33.0	39.2	40.3	43.3	....	46.4	49.5	47.8	55.4	46.2	48.8	45.4
23	35.2	40.0	39.2	38.8	....	46.8	49.0	50.7	54.1	34.5	48.5	44.2
24	40.1	39.8	39.7	37.4	....	45.3	41.8	51.6	51.7	46.2	47.7	43.8
25	42.2	38.0	38.0	42.4	41.2	36.0	46.7	51.8	50.8	49.3	48.2	39.7
26	42.3	36.1	28.3	43.3	41.6	40.3	46.8	51.8	52.8	50.3	47.5	44.0
27	40.7	25.5	32.5	44.7	41.3	43.2	46.9	51.9	53.2	50.8	47.1	45.2
28	35.5	33.7	37.5	44.6	h32.4	43.0	48.9	43.3	54.2	50.7	48.2	46.0
29	32.2	....	38.6	44.0	....	44.4	48.7	50.1	54.3	49.8	48.8	45.7
30	27.5	....	38.5	32.4	....	44.5	42.0	51.9	54.2	46.8	48.8	45.5
31	37.6	....	39.5	....	....	....	46.7	52.8	....	50.2	....	45.3

h Tape measurement.

Md 9. Elwood Trailer Corp. Ninth and North J Sts., Elwood. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 21 N., R. 6 E. 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	....	21.7	....	22.6	23.4	26.7	29.1	29.2	38.9	33.6	30.6	27.0
2	....	22.5	....	22.3	23.5	27.1	28.9	29.4	37.7	33.5	30.9	26.1
3	....	22.5	....	22.4	23.7	26.6	28.1	28.9	36.6	33.5	30.3	25.8
4	....	22.6	h25.35	22.4	23.9	26.3	27.6	30.0	37.3	34.7	29.5	25.4
5	....	22.3	23.3	22.6	24.2	27.0	27.9	29.1	38.6	34.4	29.0	25.3
6	....	22.0	23.2	22.7	24.1	27.8	28.6	29.2	37.7	35.7	30.2	....
7	h21.80	22.6	23.3	22.6	23.7	28.4	28.8	29.6	39.1	35.8	29.7	....
8	....	22.4	23.4	22.5	24.0	29.2	28.7	30.0	39.5	34.9	29.5	....
9	....	22.3	23.8	22.1	23.8	29.7	28.5	31.9	39.2	34.2	29.5	....
10	....	22.4	23.7	22.2	24.1	29.3	28.6	31.1	37.4	31.5	29.3	....
11	....	22.1	23.3	22.5	24.4	28.4	28.9	32.2	37.4	30.1	29.1	....
12	....	21.5	23.0	22.6	24.3	28.5	30.3	32.6	39.4	30.0	28.9	....
13	....	20.8	23.0	23.0	24.6	28.5	30.1	31.0	39.5	29.7	29.1	....
14	h20.94	21.0	23.2	23.1	24.2	28.8	30.0	30.5	39.6	....	29.0	....
15	20.6	21.2	23.5	23.6	24.8	29.0	29.8	31.6	40.0	h29.5	29.1	....
16	20.6	21.7	24.1	23.3	25.4	29.7	29.6	31.0	39.8	29.5	29.2	25.0
17	20.4	21.8	23.6	23.4	25.4	29.3	29.3	33.0	38.8	29.8	29.3	24.9
18	21.0	21.4	23.2	23.6	25.9	29.0	30.1	32.9	38.5	29.9	28.7	25.3
19	21.6	21.1	22.4	23.7	26.3	28.3	29.6	32.3	39.6	29.6	27.8	25.2
20	21.5	21.4	22.5	23.8	26.3	28.5	29.6	31.2	39.4	29.5	28.3	25.3
21	21.3	21.6	22.9	23.5	25.9	28.9	29.8	32.3	38.3	29.3	28.0	e25.2
22	20.9	21.4	23.0	23.4	25.9	29.4	29.5	33.1	36.9	28.9	27.5	25.4
23	21.4	21.8	23.1	23.0	26.3	29.6	29.0	33.4	37.4	29.6	27.1	25.3
24	21.7	22.0	22.9	23.0	26.7	29.7	29.0	34.1	36.5	29.7	26.9	24.9
25	21.8	21.9	23.2	23.3	26.9	29.6	29.4	34.0	36.9	29.8	26.7	24.8
26	21.8	22.2	22.7	23.7	27.0	29.6	29.8	35.0	37.9	29.6	26.4	25.3
27	21.7	22.0	22.2	23.7	26.8	29.7	30.1	33.2	38.2	29.2	27.2	25.8
28	21.3	22.3	22.5	23.6	26.5	29.4	29.9	36.6	36.6	29.4	27.4	25.9
29	20.6	....	22.8	23.5	26.6	29.0	29.5	37.4	36.7	29.0	27.2	25.9
30	21.1	....	22.9	23.0	26.2	28.7	29.5	37.6	35.2	29.7	27.3	25.9
31	21.3	....	22.8	....	26.6	....	29.1	38.5	....	30.2	....	25.7

e Estimated.

h Tape measurement.

Marion County

Ma 1. Indianapolis Water Co. Riverside pumping station, 18th and Harding Sts. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 16 N., R. 3 E. Measurements made by personnel of Indianapolis Water Company. Records available: 1935-50.

Ma 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	14.10	Mar. 2	14.35	May 27	16.54	July 31	16.44
18	14.10	20	14.95	29	16.28	Aug. 16	17.10
24	25.85	21	14.97	June 20	16.20	Sept. 13	17.76
Feb. 8	14.10	28	14.90	July 5	15.90	28	16.90
15	13.50	May 4	16.45	6	15.90	Oct. 2	16.93
21	14.40	8	18.25	7	15.90	Dec. 7	16.30
28	14.18	25	16.50	10	16.15		

Ma 2. Indiana National Bank. 130 East Washington St., Indianapolis. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, T. 15 N., R. 3 E. Records available: 1935-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.85	e45.00	42.17	40.95	.....	43.57	47.15	49.06	50.21	49.59	47.62	44.81
2	46.74	44.87	48.19	40.88	40.80	43.76	47.34	49.14	50.32	49.65	47.71	44.74
3	46.55	44.84	42.19	40.68	40.78	43.97	47.18	49.30	50.47	49.48	47.70	44.74
4	46.52	44.80	42.10	40.66	41.02	44.13	47.14	49.41	50.55	49.33	47.53	44.79
5	46.75	e44.70	41.96	40.89	41.38	43.91	46.92	49.54	50.39	49.20	47.33	44.79
6	46.69	e44.43	41.78	e40.99	41.72	43.84	46.96	49.66	50.02	49.04	47.10	44.75
7	46.65	44.31	41.63	40.98	42.01	44.04	47.14	49.56	49.88	48.88	46.96	44.62
8	46.63	44.30	41.47	40.88	41.90	44.32	47.29	49.45	49.91	48.91	46.78	44.58
9	46.38	44.11	41.68	40.88	41.67	44.60	47.55	49.48	50.00	48.76	46.65	44.57
10	46.21	44.12	41.78	40.68	41.64	44.83	47.40	49.62	50.07	48.55	46.65	44.45
11	46.36	44.03	41.61	40.57	41.87	45.25	47.32	49.77	50.04	48.41	46.57	44.33
12	46.31	44.00	41.45	40.79	41.95	45.32	47.47	49.93	49.94	48.32	46.45	44.21
13	46.14	43.82	41.33	40.76	41.86	45.35	47.71	50.04	49.93	48.27	46.25	44.18
14	46.07	43.61	41.35	40.74	41.90	45.48	47.98	49.91	50.02	48.14	46.12	44.15
15	46.15	43.57	41.30	40.70	41.78	45.76	48.12	49.77	49.92	48.04	46.00	44.09
16	46.00	43.54	41.25	40.64	41.86	46.02	48.26	49.76	49.82	47.99	45.90	44.12
17	46.02	43.51	41.22	40.47	42.05	46.29	48.10	49.88	49.85	47.94	45.93	44.07
18	45.77	43.44	41.14	40.43	42.29	46.40	47.99	50.04	49.83	47.97	45.88	43.99
19	45.81	43.30	41.24	40.61	42.50	45.90	48.14	50.15	49.61	48.03	45.75	43.90
20	45.84	43.17	41.05	40.76	42.66	45.56	48.34	50.26	49.69	48.12	45.56	43.85
21	45.72	43.00	e40.91	40.79	42.80	45.58	48.43	50.16	49.80	48.14	45.63	43.89
22	45.54	42.77	40.86	40.75	42.60	45.92	48.61	50.02	50.00	48.10	45.50	43.80
23	45.38	42.73	40.84	40.80	42.62	46.28	48.75	49.96	50.07	47.98	45.40	43.78
24	45.36	42.71	40.87	40.96	42.85	46.72	48.60	50.02	50.21	47.82	45.32	43.65
25	45.42	42.78	40.93	40.97	43.13	47.05	48.53	50.11	49.99	47.65	45.22	43.58
26	45.57	e42.66	40.98	41.14	43.48	46.86	48.60	50.23	49.67	47.52	44.96	43.37
27	45.78	h42.46	40.70	41.14	43.89	46.81	48.74	50.34	49.42	47.38	44.87	43.44
28	45.62	42.32	40.67	41.12	44.06	47.02	48.92	50.24	49.36	47.40	44.87	43.40
29	45.30		40.90	41.05	43.81	47.11	49.09	50.11	49.34	47.58	44.89	43.29
30	45.24		41.17	40.97	43.69	47.18	49.23	50.05	49.42	47.57	44.81	e43.26
31	45.05		41.16		43.51		49.12	50.10		47.50		e43.25

e Estimated.

h Tape measurement.

Ma 3. City of Indianapolis. Emmerich Manual Training High School. Meridian and Madison Sts. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 15 N., R. 3 E. Records available: 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	41.93	Apr. 3	34.78	July 5	40.99	Oct. 2	43.09
9	41.06	10	34.87	10	41.13	9	41.98
16	40.57	17	35.69	17	42.70	16	41.81
23	39.11	24	35.41	24	43.16	23	42.12
30	38.16	May 1	36.30	31	43.20	30	41.87
Feb. 6	37.60	8	36.82	Aug. 7	43.92	Nov. 6	42.15
13	37.17	15	37.59	14	44.43	13	40.78
20	36.70	22	37.77	21	41.61	20	40.67
27	36.38	29	39.12	28	44.60	27	39.77
Mar. 6	35.34	June 5	39.54	Sept. 5	43.44	Dec. 4	39.26
13	34.92	12	39.55	11	43.03	11	39.11
20	34.84	19	40.38	18	43.57	18	38.92
27	34.27	26	41.23	25	43.41	26	37.65

Ma 4. Layne-Northern Co., Inc. Meridian St. and Edwards Ave. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 15 N., R. 3 E. Records available: 1937-50.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.34	+0.29	+2.08	....	+1.35	0.14	0.35	2.52	2.45	2.50	2.78	....
2	3.20	+36	+2.09	....	+1.38	.32	.35	2.17	2.52	2.55	2.78	....
3	3.04	+45	+2.10	....	+1.36	.25	.34	2.31	2.40	2.51	2.79	....
4	2.80	+54	+2.14	....	+1.18	.11	.40	2.29	2.52	2.50	2.73	2.36
5	2.99	+52	+2.13	h+1.92	+1.13	.19	.38	2.47	h2.48	2.55	2.64	2.28
6	2.92	+61	+1.99	+1.92	+1.09	.25	.36	2.40	2.47	2.50	2.76	2.23
7	2.70	+74	+1.99	+1.72	+.90	.25	.39	2.48	2.48	2.56	2.78	2.07
8	2.65	+72	+1.99	+1.92	+.82	.30	.55	3.10	2.45	2.60	2.56	2.02
9	2.60	+77	+2.02	+1.94	+.82	.30	.64	2.70	2.41	2.60	2.61	1.99
10	2.46	+68	+2.02	+1.79	+.85	.23	.69	3.32	2.44	2.52	2.66	2.00
11	2.47	+76	+2.07	+1.90	+.79	.31	.76	2.85	2.41	2.50	2.65	1.95
12	2.31	+.83	+2.04	+1.17	+.75	.40	.91	2.54	2.43	2.58	2.67	....
13	2.15	+1.02	+1.92	+1.76	+.75	.40	.93	2.54	2.43	2.56	2.74	....
14	1.86	+1.14	+1.97	+1.88	+.75	.34	1.09	2.38	2.46	2.57	2.78	....
15	1.79	+1.18	+1.90	+1.89	+.63	.30	1.30	2.46	2.48	2.73	2.74	....
16	1.60	+1.26	+1.91	+1.95	+.64	.22	1.22	2.54	2.55	2.70	2.74	....
17	1.54	+1.29	+1.85	+1.96	+.62	.24	1.12	2.67	2.64	2.64	2.73	....
18	1.30	+1.37	+1.81	+1.94	+.52	.25	1.15	2.48	2.61	2.71	2.71	....
19	1.19	+1.50	+1.79	+1.91	+.46	.28	1.17	2.35	2.79	2.71	2.81	....
20	1.11	+1.48	+1.80	+1.94	+.41	.14	1.18	2.39	2.66	2.68	2.58	....
21	1.01	+1.56	+1.72	+1.89	+.25	.21	1.17	2.31	2.44	3.00	2.58	....
22	.88	+1.78	+1.67	+1.85	+.33	.21	1.25	2.29	2.38	2.81	2.56	....
23	.79	+1.80	+1.58	+1.86	+.34	.19	1.26	2.29	2.58	2.80	2.56	....
24	.63	+1.86	+1.57	+1.75	+.24	.24	1.29	2.49	2.63	2.75	2.60	....
25	.41	+1.89	+1.60	+1.80	+.10	.24	1.38	2.57	2.65	2.74	2.54	....
26	.35	....	+1.45	+1.46	+.04	.25	1.43	3.15	2.57	2.81	2.53	....
27	.18	h+1.97	+1.52	+1.54	+.01	.27	1.45	2.88	2.52	2.75	2.48	....
28	.07	+1.98	....	+1.55	.00	.26	1.48	2.85	2.46	2.66	2.46	....
29	+.09	....	....	+1.48	+.02	.27	1.80	2.73	2.48	2.85	....	....
30	+.04	....	....	+1.53	.09	.33	1.76	2.67	2.46	2.80	....	....
31	+.23	....	....	....	.24	....	2.38	2.63	....	2.74	....	....

h Tape measurement.

Ma 9. Indianapolis Forwarding Co. 333 West Ohio St., Indianapolis. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, T. 15 N., R. 3 E. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	41.33	Apr. 3	35.83	July 5	38.60	Oct. 2	40.99
9	41.07	10	35.71	10	38.74	9	40.53
16	40.64	17	35.57	17	39.08	16	40.80
23	39.98	24	35.43	24	39.48	23	40.87
30	39.45	May 1	35.67	31	39.75	30	41.05
Feb. 6	38.85	8	35.85	Aug. 7	40.00	Nov. 6	40.79
13	38.12	15	35.87	14	40.21	13	40.16
20	37.75	22	36.20	21	40.41	20	39.90
27	37.15	29	36.60	28	40.65	27	40.40
Mar. 5	36.76	June 5	36.81	Sept. 5	40.90	Dec. 4	40.21
13	36.28	12	37.26	11	40.98	11	39.61
20	36.19	19	37.64	18	41.03	18	39.06
27	35.88	26	38.07	25	41.07	26	38.38

Ma 10. Federal Building. Meridian and Ohio Sts., Indianapolis. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, T. 15 N., R. 3 E. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	51.62	Apr. 3	46.35	July 5	55.60	Oct. 9	54.22
9	51.14	10	46.38	12	55.72	16	53.99
16	50.85	17	46.63	17	56.45	23	53.53
23	50.17	24	47.44	24	57.23	30	54.04
30	49.92	May 1	47.86	Aug. 7	57.92	Nov. 6	52.76
Feb. 6	49.13	8	48.25	14	58.15	13	52.24
13	48.43	15	48.69	21	57.89	20	51.52
20	48.09	22	50.17	28	57.10	27	50.80
27	47.52	29	52.92	Sept. 5	55.48	Dec. 4	50.34
Mar. 6	47.02	June 5	53.38	12	57.10	11	49.05
13	46.59	12	53.92	18	57.25	18	48.79
20	46.31	19	54.85	25	57.41	26	48.47
27	45.84	26	56.07	Oct. 2	56.79	....	....

Ma 13. City of Indianapolis. Sanitation Plant. Raymond and Harding Sts. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 15 N., R. 3 E. Measurements made by W. R. Curran. Records available: 1928-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	+1.69	Apr. 10	0.36	July 31	4.00	Nov. 15	3.08
Feb. 2	+.84	May 9	2.52	Aug. 14	4.22	Dec. 15	3.01
Mar. 6	1.38	June 23	2.66				

Ma 14. City of Indianapolis. Sanitation Plant. Raymond and Harding Sts. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 15 N., R. 3 E. Measurements made by W. R. Curran. Records available: 1929-50.

Jan. 10	15.50	Apr. 10	17.26	July 31	20.73	Nov. 15	20.52
Feb. 2	16.61	May 9	18.76	Aug. 14	20.33	Dec. 15	20.19
Mar. 6	16.44	June 23	19.90	Oct. 13	21.53		

Ma 18. Anna M. Stelzner. 4948 West Vermont St., Indianapolis. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 15 N., R. 3 E. Records available: 1943-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21.05	13.56	14.07	13.12	16.80	18.34	18.73	20.46	22.52	e21.84	22.51	21.16
2	21.00	14.06	14.33	13.41	16.87	18.44	18.77	20.56	22.52	h21.83	22.51	21.15
3	20.91	14.57	14.63	13.67	16.88	18.51	18.78	20.67	.....	.....	22.53	21.10
4	13.20	15.02	14.85	13.87	16.90	18.33	18.78	20.81	.....	.....	22.54	21.07
5	.....	15.36	14.99	12.03	16.91	18.38	18.79	20.91	.....	.....	22.54	21.04
6	.....	15.56	15.10	12.15	16.91	18.40	18.79	21.02	22.36	.....	22.54	21.01
7	12.32	15.74	15.20	12.54	17.03	18.43	18.82	21.10	22.33	.....	22.55	20.94
8	13.24	16.00	15.17	12.81	17.06	18.47	18.87	21.19	22.29	.....	22.53	20.83
9	14.08	15.92	15.38	13.13	17.24	18.49	18.92	21.26	22.24	21.81	22.45	20.77
10	14.71	15.76	15.65	13.39	17.21	18.48	18.97	21.32	22.18	21.81	22.38	20.71
11	.....	15.72	15.76	13.53	17.29	18.47	19.03	21.38	22.15	21.83	22.31	20.66
12	13.49	15.78	15.77	13.84	17.35	18.51	19.09	21.44	22.12	21.84	22.22	20.62
13	14.17	14.70	15.83	14.10	17.35	18.53	19.14	21.50	22.13	21.89	22.12	20.59
14	e13.23	8.15	e15.86	14.37	17.34	18.51	19.22	21.56	22.17	21.95	22.04	20.58
15	13.32	7.60	15.82	14.62	17.32	18.55	19.34	21.62	22.22	21.99	21.95	20.58
16	h9.23	8.63	15.75	14.84	17.36	18.57	19.45	21.66	22.26	22.06	21.87	20.60
17	.....	9.76	15.71	14.98	17.44	18.59	19.55	21.71	22.32	22.12	21.81	20.63
18	.....	10.67	15.65	15.09	17.52	18.66	19.63	21.76	22.39	22.18	21.80	20.66
19	.....	11.40	15.78	15.21	17.60	18.63	19.71	21.77	22.44	22.23	21.75	20.69
20	h13.88	12.09	15.82	15.40	17.68	18.60	19.72	21.80	22.47	22.26	21.66	20.69
21	14.21	12.59	15.81	15.55	17.76	18.60	19.77	21.86	22.45	22.30	e21.62	20.72
22	14.78	12.83	15.81	15.72	17.80	18.62	19.84	.....	22.37	22.32	21.55	20.72
23	15.25	12.59	15.78	15.84	17.85	18.61	19.89	.....	22.27	22.34	21.46	20.71
24	15.62	12.73	15.81	15.92	17.92	18.60	19.92	.....	22.17	22.39	21.40	20.68
25	14.29	13.07	15.81	16.00	17.98	e18.61	19.98	.....	22.10	22.42	21.38	20.67
26	13.30	13.40	15.90	16.13	18.04	e18.63	20.05	22.20	22.02	22.47	21.30	e20.66
27	9.38	13.73	15.79	16.31	18.14	18.63	20.09	22.31	21.97	22.50	21.18	20.68
28	10.55	13.96	11.60	16.49	18.20	18.67	20.15	22.41	21.92	22.49	21.15	20.72
29	11.42	.....	11.52	16.65	18.24	18.68	20.21	22.48	21.88	22.50	e21.16	20.70
30	12.29	.....	12.26	16.72	18.27	18.70	20.29	22.55	e21.86	22.52	21.17	20.69
31	12.97	.....	12.80	.....	18.27	.....	20.38	22.59	.....	22.52	.....	20.70

e Estimated.

h Tape measurement.

Ma 19. New York Central System. Tenth and Exeter Sts., Indianapolis. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 15 N., R. 3 E. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	18.16	Apr. 3	13.34	July 5	14.82	Oct. 9	16.59
9	16.28	10	13.21	10	14.92	16	16.75
16	15.36	17	13.28	17	15.08	23	16.86
23	14.38	24	13.46	24	15.22	30	16.99
30	13.63	May 1	13.66	31	15.41	Nov. 6	17.08
Feb. 6	13.46	8	13.89	Aug. 7	15.60	13	17.04
13	13.47	15	14.01	14	16.92	20	17.00
20	12.84	22	14.23	25	16.05	27	16.93
27	12.50	29	14.44	Sept. 5	16.22	Dec. 4	16.67
Mar. 6	13.08	June 5	14.26	11	16.35	11	16.42
13	13.19	12	14.51	18	16.51	18	16.23
20	13.46	19	14.62	25	16.34	26	16.19
27	13.56	26	14.63	Oct. 2	16.49		

Ma 21. Continental Baking Co. 339 East Market St., Indianapolis. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, T. 15 N., R. 3 E. 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	48.50	46.96	45.28	46.22	48.80	52.90	55.32	56.52	55.66	53.82	52.70	48.14
2	48.14	47.10	45.68	45.16	49.26	53.12	54.70	56.84	55.56	54.58	52.74	47.58
3	48.48	47.32	45.62	45.64	49.52	53.10	54.44	57.00	55.10	54.20	52.56	46.98
4	49.40	46.72	45.10	46.56	49.84	53.60	54.06	57.08	53.94	53.90	52.04	47.38
5	49.56	45.84	44.00	47.42	50.18	52.42	54.12	57.08	54.88	53.90	.....	47.44
6	49.50	45.96	44.40	47.76	50.36	52.86	54.46	56.72	55.10	53.92	51.16	47.08
7	49.16	46.48	44.24	47.74	49.82	53.40	54.84	56.65	55.08	53.84	50.82	47.00
8	48.66	46.20	44.66	47.40	50.12	53.20	54.88	56.82	55.26	53.50	50.80	46.98
9	48.44	46.62	45.22	46.08	50.30	.....	54.38	56.87	55.20	53.36	51.04	46.54
10	49.00	46.58	45.06	46.24	50.88	.....	54.56	57.03	54.80	53.58	50.92	46.14
11	49.30	46.22	44.28	47.18	51.22	.....	54.90	57.28	54.76	53.54	50.48	46.26
12	48.90	45.50	43.62	47.48	51.10	53.60	55.10	57.09	55.18	53.86	49.94	46.30
13	48.88	45.60	44.26	47.60	50.72	53.86	55.50	56.59	55.24	53.94	49.64	46.24
14	48.92	45.80	44.46	47.86	50.06	54.24	55.66	56.38	55.47	53.54	49.44	46.16
15	47.92	46.08	44.44	47.78	50.44	54.42	55.68	56.32	55.55	53.06	49.42	46.34
16	48.74	46.18	44.44	47.24	51.02	54.70	55.44	56.28	55.58	52.90	49.52	45.96
17	48.18	46.44	44.26	47.54	51.30	54.80	55.56	56.22	55.14	53.12	49.50	45.84
18	48.50	45.90	44.08	47.98	51.74	54.26	56.04	56.12	55.20	53.10	49.06	46.38
19	48.60	45.24	43.58	48.46	52.16	53.78	56.16	55.74	55.24	53.02	48.56	46.56
20	48.64	45.58	43.54	48.60	51.94	54.04	56.50	55.16	54.98	53.00	48.90	46.92
21	48.00	45.28	43.78	48.84	51.30	54.30	56.88	54.64	54.88	52.70	48.48	46.90
22	47.92	45.66	43.94	48.60	51.62	54.48	56.86	54.40	54.64	52.18	48.30	47.14
23	47.26	46.16	44.74	47.90	53.06	55.84	56.46	.....	54.16	52.20	47.82	46.52
24	47.36	46.32	45.48	48.16	53.34	54.84	56.54	.....	53.82	52.22	48.50	45.68
25	47.80	45.76	45.12	48.96	52.80	54.46	56.68	.....	53.92	52.40	47.62	45.50
26	48.44	45.10	43.94	49.26	53.36	54.62	56.70	.....	54.02	52.42	46.68	45.66
27	48.38	45.20	44.54	49.46	53.20	55.16	56.78	.....	54.12	52.54	47.60	46.30
28	47.66	44.86	45.76	49.52	.....	55.24	56.90	h54.2	54.32	52.52	48.06	46.22
29	46.54	.....	46.64	49.34	52.70	55.42	56.80	.....	54.62	52.18	47.94	46.54
30	47.16	.....	46.98	48.70	52.26	55.50	56.28	.....	54.32	52.44	48.02	46.26
31	47.42	.....	46.72	.....	52.36	.....	56.24	.....	.....	52.70	.....	45.76

h Tape measurement.

Ma 22. Arthur Baxter. 139 South East St., Indianapolis. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 15 N., R. 3 E. 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	.....	.....	61.40	64.05	73.70	77.75	79.0	80.6	.....	76.7	78.2	73.0
2	.....	.....	.....	60.80	74.50	77.70	77.9	80.9	80.0	78.2	78.1	69.4
3	65.95	.....	.....	68.25	74.80	77.7	77.5	81.0	76.0	78.5	78.0	66.6
4	66.25	.....	.....	69.45	74.85	75.0	76.0	81.0	.....	77.6	76.5	71.6
5	66.85	.....	.....	70.85	75.40	76.7	77.4	81.1	79.1	77.6	71.5	70.2
6	66.85	61.50	59.95	71.45	73.60	77.6	77.50	80.8	79.5	77.5	76.0	70.1
7	63.30	62.40	.....	71.50	70.55	78.1	78.20	80.8	78.9	77.3	73.9	68.2
8	62.40	62.25	.....	65.10	75.10	78.3	78.15	81.0	79.1	75.3	75.4	e67.4
9	65.65	63.35	61.05	62.0	75.35	78.5	77.50	81.1	79.1	76.6	75.7	e66.6
10	66.00	63.05	61.00	69.40	75.65	78.5	78.8	81.6	77.1	76.5	75.8	e65.8
11	66.35	.....	59.30	70.55	75.90	77.7	79.4	81.7	78.4	77.3	72.7	69.6
12	65.60	.....	57.25	71.50	76.15	78.0	79.7	81.7	79.0	77.5	71.3	67.3
13	67.60	h61.65	59.70	70.40	75.00	78.2	80.0	80.4	78.6	77.7	70.5	67.4
14	63.60	61.40	62.35	71.65	69.95	78.6	80.2	80.5	79.3	77.7	70.9	67.7
15	62.05	61.90	60.10	68.55	75.55	78.9	79.9	79.1	79.3	76.6	71.1	66.4
16	65.30	62.10	60.15	68.45	75.95	79.1	79.4	78.8	79.1	77.0	71.0	65.9
17	64.50	62.50	60.10	71.85	76.25	78.8	80.6	78.7	76.9	77.7	70.5	66.0
18	65.60	60.25	58.40	72.35	76.65	77.3	81.1	78.5	78.7	78.0	70.3	70.4
19	65.00	.....	56.05	73.10	76.95	77.8	81.4	77.2	78.6	78.1	68.0	71.1
20	65.00	63.05	58.90	73.05	75.75	78.1	81.5	75.5	77.1	78.3	68.8	71.3
21	61.55	61.10	60.60	73.45	72.90	78.3	81.8	74.0	78.4	77.7	69.1	71.8
22	60.60	62.45	59.70	72.50	76.45	79.1	81.7	72.8	79.0	75.4	68.7	72.2
23	62.65	61.75	66.90	67.00	76.90	80.3	81.4	72.9	77.8	77.4	68.0	65.1
24	63.65	62.55	68.45	72.65	77.35	79.4	81.0	72.3	78.0	77.6	69.8	63.8
25	64.15	.....	65.20	73.75	77.75	78.0	81.1	72.3	78.4	77.9	e67.9	63.0
26	64.75	.....	58.35	74.00	78.15	79.2	81.2	71.9	78.3	78.2	e65.8	64.5
27	.....	61.10	67.45	74.00	78.15	79.8	81.2	72.8	78.9	77.9	71.0	71.0
28	.....	60.40	68.20	74.10	76.40	79.7	81.3	78.0	78.6	77.9	72.2	69.2
29	.....	.....	69.05	73.65	77.30	79.9	81.2	79.0	79.4	77.0	72.1	69.5
30	63.70	.....	69.50	69.00	75.50	79.8	79.9	79.5	78.7	77.8	72.5	64.1
31	63.50	.....	68.70	.....	76.85	.....	79.9	.....	.....	78.2	.....	63.0

e Estimated.

h Tape measurement.

Ma 25. Electric Steel Castings Co. Tenth and Main Sts., Speedway City. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 16 N., R. 3 E. 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	26.7	32.1	31.0	23.7	24.9	29.2	29.9	30.2	32.6	31.8	33.3	25.9
2	26.3	29.4	31.9	22.4	26.3	29.6	29.4	29.1	30.1	32.6	34.5	25.7
3	32.2	26.7	32.1	24.3	26.2	29.2	28.8	29.4	27.8	33.4	33.7	27.2
4	32.0	25.3	31.3	25.9	27.7	28.4	26.7	28.9	....	33.0	31.3	28.3
5	33.0	23.9	30.5	25.9	28.2	27.1	28.4	28.7	31.4	33.5	29.7	29.6
6	....	28.3	28.2	27.8	28.1	27.5	33.6	27.3	31.4	32.3	28.4	29.5
7	....	30.3	27.6	26.2	27.6	29.3	33.4	30.0	30.9	33.4	29.2	31.8
8	30.7	30.5	27.4	26.0	26.2	29.7	28.8	31.3	32.2	32.9	29.6	30.6
9	32.1	33.1	27.2	24.9	28.0	28.9	27.3	31.2	30.7	33.7	30.9	29.2
10	33.2	32.1	27.1	24.8	27.3	27.5	29.0	31.7	30.1	34.5	30.2	28.2
11	34.0	31.5	26.7	24.0	29.7	25.1	30.1	31.4	30.8	34.4	30.7	28.2
12	34.7	30.0	25.4	23.6	26.0	27.9	30.3	31.1	31.2	34.5	30.0	28.3
13	33.5	27.8	24.6	23.4	25.3	28.4	30.7	30.5	31.7	34.1	30.5	28.8
14	32.9	25.6	24.6	23.2	23.9	27.7	30.0	31.0	32.3	34.5	30.0	28.8
15	32.1	24.8	24.2	24.6	26.2	35.3	30.1	31.8	32.6	33.3	28.3	27.4
16	33.0	26.1	25.0	22.3	27.3	38.9	29.3	31.7	32.3	33.9	29.8	27.3
17	33.1	24.1	23.8	23.9	27.4	34.8	29.3	33.2	32.2	34.6	31.6	26.0
18	33.4	23.4	23.4	25.3	29.0	29.0	30.0	30.6	32.9	34.4	30.8	29.1
19	34.3	22.3	22.6	24.1	28.0	27.2	29.8	29.5	35.5	35.5	30.5	30.1
20	33.5	22.9	24.9	24.9	27.4	28.3	34.9	27.6	33.6	34.7	29.6	30.5
21	32.4	24.8	26.0	24.0	26.9	31.3	30.1	29.8	33.2	33.7	28.1	31.0
22	29.9	26.5	26.2	23.0	27.7	31.6	29.1	31.1	29.8	32.8	29.0	30.9
23	31.9	28.9	29.2	23.0	28.3	33.9	27.5	31.5	27.3	32.5	27.5	29.8
24	32.2	29.5	26.7	24.0	28.2	33.7	29.5	32.5	25.8	30.8	....	25.6
25	30.2	28.5	26.0	24.3	30.4	29.7	33.0	31.6	25.6	30.1	....	24.3
26	33.5	28.0	25.2	24.0	29.9	34.6	32.7	31.1	28.6	30.2	....	25.3
27	31.0	30.1	24.8	28.3	29.0	33.6	31.6	31.1	30.1	30.1	24.3	25.8
28	30.3	31.0	24.6	24.2	26.9	30.8	31.2	31.7	32.3	29.4	25.4	26.2
29	29.7		24.4	23.5	26.9	31.4	30.8	32.8	32.2	28.7	25.6	26.0
30	31.7		24.3	22.3	26.6	30.4	30.0	32.8	31.6	31.6	26.0	25.0
31	32.0		23.8		28.1		29.9	33.8		32.7		24.6

Ma 26. Otto Schakel. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 15 N., R. 4 E. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.00	Apr. 17	6.22	July 17	7.36	Oct. 9	7.21
9	5.10	24	7.26	24	7.50	16	7.80
16	3.40	May 1	6.59	31	7.74	23	7.70
23	5.88	8	7.00	Aug. 7	8.16	30	7.92
30	4.90	15	6.00	14	8.26	Nov. 5	7.90
Feb. 6	5.42	22	6.80	21	8.50	13	6.00
13	4.96	30	6.69	28	8.59	20	6.62
20	5.40	June 5	3.60	Sept. 4	7.40	27	6.25
27	4.60	11	5.70	11	7.36	Dec. 4	6.59
Mar. 22	4.92	19	5.14	18	7.94	11	5.90
27	5.66	26	4.98	25	5.70	18	6.40
Apr. 3	5.74	July 3	6.62	Oct. 2	7.28	26	6.90
9	5.35	10	7.08				

Ma 27. Otto Schakel. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 15 N., R. 4 E. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	3.00	Apr. 17	3.06	July 17	3.46	Oct. 9	3.20
9	3.10	24	3.06	24	3.60	16	3.30
16	3.40	May 1	2.91	31	3.70	23	3.24
23	2.98	8	3.06	Aug. 7	3.96	30	3.10
30	3.82	15	2.99	14	4.18	Nov. 5	3.30
Feb. 6	3.30	22	3.10	21	4.30	13	2.90
13	2.84	30	3.07	28	4.40	20	3.00
20	2.93	June 5	1.17	Sept. 4	3.00	27	3.02
27	3.03	11	2.69	11	2.90	Dec. 4	1.36
Mar. 22	2.82	19	2.68	18	3.49	11	2.90
27	2.94	26	2.53	25	2.70	18	3.05
Apr. 3	3.02	July 3	3.10	Oct. 2	3.28	26	2.92
9	2.96	10	3.26				

Ma 28. Manuel W. Rabourn. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 14 N., R. 5 E. Records available: 1947-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.36	2.97	3.69	3.11	....	8.02	8.66	e11.22	12.84	10.64	10.95	8.08
2	11.28	3.28	3.91	3.38	....	8.10	8.73	11.30	12.82	10.63	10.97	8.12
3	11.16	3.58	4.15	3.63	h6.98	8.17	8.78	11.39	12.72	10.61	10.99	7.82
4	8.68	3.88	4.40	3.77	6.99	8.13	8.83	11.48	12.66	10.60	11.00	7.03
5	5.99	4.16	4.61	2.56	7.04	8.11	8.90	11.56	12.60	10.00	11.02	6.87
6	5.90	4.39	4.82	2.58	7.09	8.09	8.97	11.65	12.53	10.60	11.04	6.80
7	5.23	2.51	5.00	2.77	7.18	8.10	9.06	11.73	12.46	10.60	11.07	5.20
8	5.21	4.57	5.11	2.98	7.28	8.15	9.16	11.82	12.41	10.61	10.94	....
9	5.30	....	5.20	3.24	7.38	e8.18	9.25	11.92	12.34	10.61	10.66	....
10	4.96	....	5.34	3.51	7.29	e8.19	9.35	11.96	12.27	10.59	10.50	....
11	2.92	3.98	5.46	3.74	7.06	8.23	9.45	12.06	12.20	10.59	10.41	....
12	3.11	4.09	5.54	3.97	6.99	8.28	9.55	12.10	12.15	10.59	10.34	....
13	3.33	2.16	5.28	4.18	6.96	8.34	9.65	12.14	12.09	10.60	10.27	e5.66
14	2.64	1.64	5.09	4.41	6.95	8.38	9.74	12.20	12.05	10.62	10.21	5.69
15	2.76	1.90	5.07	4.64	6.96	8.43	9.83	12.28	12.00	10.63	10.17	5.80
16	1.55	1.30	5.07	4.85	6.97	8.47	9.94	12.34	11.97	10.65	10.11	5.91
17	1.95	1.68	5.08	5.04	6.99	8.52	10.02	12.42	11.95	10.67	10.08	6.03
18	2.31	2.07	5.12	5.23	7.02	8.56	10.11	12.48	11.94	10.68	10.05	6.15
19	2.61	2.36	5.21	5.41	7.06	8.57	10.19	12.51	11.93	10.71	10.02	6.34
20	3.02	2.68	5.31	5.59	7.11	8.54	10.26	12.55	11.89	10.73	9.10	6.46
21	3.41	3.02	5.07	5.77	7.18	8.50	10.34	12.60	11.78	10.74	8.50	6.59
22	3.75	2.71	4.86	5.95	7.23	8.47	10.44	12.66	11.52	10.75	8.30	6.71
23	4.08	2.37	4.78	6.10	7.31	8.45	10.54	12.73	11.28	10.77	e8.18	6.82
24	3.81	2.53	4.77	6.24	7.39	8.45	10.62	12.79	11.12	10.79	....	6.92
25	2.99	2.74	4.82	6.39	7.46	8.45	10.72	12.85	11.00	10.81	e8.03	7.03
26	1.56	3.02	4.91	6.52	7.55	8.46	10.81	12.91	10.90	10.83	e8.00	7.11
27	1.29	3.34	4.94	....	7.65	8.48	10.89	12.97	10.82	10.85	e7.99	7.22
28	1.74	3.63	2.28	....	7.74	8.52	10.93	13.02	10.76	10.86	e8.00	....
29	2.09	....	2.30	....	7.83	8.55	10.99	12.92	10.71	10.88	e8.02	....
30	2.27	....	2.57	....	7.91	8.60	11.07	12.93	10.67	10.91	8.03	....
31	2.61	....	2.86	....	7.96	....	11.14	12.91	....	10.93	....	....

e Estimated.

h Tape measurement.

Ma 29. Indiana Amusement Corp. Indiana Theater, 134 West Washington St., Indianapolis. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, T. 15 N., R. 3 E. 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	43.87	41.80	39.09	37.71	37.43	40.27	43.13	44.82	46.34	45.67	44.34	41.47
2	43.70	41.76	39.12	37.65	37.43	40.40	42.93	45.02	46.46	45.59	44.14	41.86
3	43.91	41.70	39.03	37.80	37.77	40.53	42.88	45.14	46.30	45.61	43.79	41.59
4	43.90	41.61	38.93	37.75	38.07	40.32	42.65	45.21	45.69	45.55	43.58	41.44
5	43.77	41.48	38.84	37.75	38.33	40.27	42.75	45.08	45.71	45.32	43.40	41.41
6	43.65	41.25	38.68	37.75	38.35	40.46	42.98	44.96	45.78	45.06	43.25	41.36
7	43.58	41.19	38.54	37.68	38.27	40.74	43.17	44.98	45.78	45.17	43.29	41.34
8	43.48	41.07	38.61	37.65	38.10	41.01	43.11	45.13	45.88	44.95	43.07	41.30
9	43.32	41.04	38.63	37.60	38.28	41.23	42.94	45.32	46.00	44.86	43.06	41.22
10	43.36	40.90	38.59	37.72	38.33	41.41	43.08	45.47	45.86	44.60	42.92	40.99
11	43.31	40.92	38.44	37.62	38.35	41.20	43.24	45.61	45.71	44.77	42.83	40.97
12	43.19	40.85	38.43	37.51	38.41	40.21	43.50	45.51	45.79	44.50	42.65	40.93
13	43.27	40.59	38.33	37.43	38.63	40.39	43.73	45.31	45.90	44.55	42.58	40.92
14	43.23	40.51	38.23	37.39	38.47	40.61	43.86	45.27	46.00	44.68	42.49	40.87
15	43.05	40.44	38.19	37.36	38.65	40.85	43.78	45.38	45.96	44.50	42.74	40.91
16	43.01	40.38	38.10	37.30	38.80	41.07	43.58	45.59	45.99	44.47	42.47	40.82
17	42.88	40.30	38.06	37.21	38.98	41.23	43.83	45.76	45.84	44.63	42.40	40.66
18	42.88	40.20	38.12	37.44	39.19	40.97	44.19	....	45.57	44.76	42.35	40.64
19	42.79	40.10	38.10	37.49	39.30	41.76	44.22	....	45.72	44.87	42.13	40.62
20	42.70	39.98	37.84	37.41	39.40	41.82	44.30	....	45.91	44.96	42.21	40.65
21	42.57	39.76	37.79	37.34	39.23	42.04	44.43	45.64	46.09	44.77	42.07	40.56
22	42.47	39.68	37.76	37.54	39.20	42.24	44.34	45.70	46.15	44.57	41.98	40.54
23	42.33	39.65	37.75	37.43	39.41	42.46	44.15	45.78	46.17	44.06	41.78	40.46
24	42.50	39.65	37.82	37.68	39.67	42.71	44.23	45.89	46.04	43.95	41.85	40.27
25	42.71	39.60	37.88	37.70	39.95	42.55	44.37	46.00	45.29	43.82	41.62	40.16
26	42.63	39.50	37.83	37.70	40.29	42.55	44.51	45.91	45.34	43.84	41.45	40.20
27	42.42	39.35	37.69	37.67	40.49	42.70	44.73	45.77	45.51	44.06	41.53	40.15
28	42.25	39.16	37.75	37.62	40.20	42.84	44.87	45.75	45.60	44.22	41.57	40.06
29	42.07	....	37.84	37.59	40.16	42.93	44.77	45.86	45.71	44.00	41.51	40.08
30	42.00	....	37.81	37.52	39.96	43.05	44.58	46.04	45.82	44.07	41.52	40.02
31	41.91	....	37.75	....	40.05	....	44.65	46.15	....	44.18	....	39.89

Ma 30. L. S. Ayres & Co. 1 West Washington St., Indianapolis. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 15 N., R. 3 E. Measurements made by W. W. Hoffman. Records available: 1948-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	45.6	43.2	40.3	39.2	38.7	41.6	45.3	46.4	48.7	48.3	45.9	42.9
2	....	43.0	40.3	39.1	38.7	41.9	45.5	47.4	48.9	47.3	46.1	42.8
3	....	43.2	40.2	38.8	39.0	42.1	44.5	47.6	49.0	47.2	45.7	43.2
4	45.3	43.1	40.1	39.0	39.4	42.2	44.5	47.6	48.0	47.7	45.3	42.8
5	45.4	42.9	40.1	39.1	39.6	41.4	44.0	47.7	47.4	47.4	45.1	42.9
6	45.2	42.5	39.8	39.1	40.0	41.6	45.0	47.8	48.1	47.0	44.8	42.8
7	45.1	42.5	39.6	39.1	40.2	42.1	45.2	46.8	48.2	46.8	44.7	42.6
8	45.0	42.5	39.6	39.0	39.6	42.4	45.5	46.8	48.3	46.9	44.7	42.6
9	44.7	42.4	39.8	39.1	39.4	42.6	45.7	47.5	48.4	46.3	44.5	42.6
10	44.6	42.3	39.8	38.6	39.9	42.8	44.7	47.8	48.5	46.2	44.5	42.6
11	44.9	42.2	39.6	38.8	40.0	43.2	44.8	48.1	47.5	46.4	44.4	42.3
12	44.6	42.4	39.7	38.8	40.1	42.5	45.9	48.2	47.4	46.5	44.3	42.3
13	44.5	41.9	39.4	38.8	40.1	42.6	45.9	48.2	48.2	46.3	44.0	42.3
14	44.7	41.8	39.5	38.8	40.3	43.1	46.1	47.2	48.4	46.2	43.9	42.2
15	44.6	41.8	39.5	38.7	39.6	43.4	46.2	47.1	48.5	46.3	43.9	42.2
16	44.4	41.7	39.4	38.7	39.9	43.6	....	47.9	48.5	45.8	43.9	42.2
17	44.3	41.7	39.3	38.4	40.3	44.3	e45.1	48.3	48.6	45.9	43.9	42.2
18	44.2	41.5	39.3	38.5	40.6	44.4	45.4	48.5	47.5	46.2	43.8	42.0
19	44.2	41.5	39.4	39.0	40.8	43.2	46.3	48.6	47.3	46.4	43.7	42.0
20	44.2	41.2	39.0	38.8	40.9	43.2	46.6	48.5	48.1	46.5	43.4	42.0
21	44.0	41.0	39.0	38.8	41.0	43.8	46.7	47.6	48.5	46.5	43.5	42.0
22	43.9	40.9	39.0	38.7	40.4	44.2	47.1	47.3	48.6	46.5	43.5	41.9
23	43.6	40.8	39.0	39.1	40.5	44.5	47.0	48.0	48.6	45.9	43.4	41.9
24	43.6	40.7	38.9	39.0	41.0	44.8	45.9	48.2	48.7	45.6	43.2	41.8
25	44.0	40.8	39.3	39.8	41.3	45.1	45.9	48.4	....	45.7	43.2	41.6
26	44.3	40.7	39.3	39.3	41.6	44.1	46.7	48.6	47.2	45.6	43.0	41.3
27	44.0	40.5	38.8	39.2	42.0	44.2	47.1	48.7	47.6	45.5	42.8	41.6
28	43.7	40.3	39.0	39.1	42.2	44.9	47.3	47.6	47.9	45.7	42.9	41.5
29	43.5		39.2	39.1	41.4	45.0	47.4	47.5	48.0	45.9	42.9	41.4
30	43.4		39.2	39.1	41.5	45.2	47.5	48.2	48.2	45.4	42.8	41.4
31	43.2		39.2		41.0		46.4	48.5		45.5		41.4

e Estimated.

Marshall County

Mt 1. Howard Lemler. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, T. 33 N., R. 3 E. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	2.96	Apr. 30	3.40	July 22	5.49	Oct. 14	8.49
19	3.19	May 6	4.41	30	6.24	21	8.54
Feb. 2	2.73	13	5.19	Aug. 5	6.54	28	8.59
9	2.97	20	5.82	12	6.95	Nov. 4	8.66
16	2.58	27	6.34	19	7.44	11	8.67
27	2.53	June 3	6.60	26	7.72	18	8.49
Mar. 2	2.71	10	6.96	Sept. 2	7.76	25	8.20
9	3.25	17	6.56	9	8.04	Dec. 2	6.93
25	1.12	24	6.39	16	8.12	9	4.59
Apr. 1	1.17	July 1	6.47	23	8.23	16	5.12
9	1.07	8	6.52	30	8.34	23	5.51
15	2.83	15	7.01	Oct. 7	8.35	30	5.88
23	2.91						

Martin County

Mt 3. John Ketcham. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 4 N., R. 5 W. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	21.28	Apr. 3	19.48	July 3	20.61	Oct. 2	21.32
9	18.98	10	19.58	10	20.59	9	21.33
16	18.61	17	19.98	17	20.61	16	21.37
23	19.81	24	20.09	24	21.75	23	21.41
30	20.02	May 1	19.53	31	20.87	30	21.43
Feb. 6	19.93	8	19.91	Aug. 7	20.93	Nov. 6	21.47
13	19.83	15	19.54	14	21.07	13	21.49
20	19.58	22	20.03	21	21.23	20	20.89
27	19.64	29	20.29	28	21.32	27	21.28
Mar. 6	19.91	June 4	20.32	Sept. 4	21.28	Dec. 4	19.45
13	20.09	12	20.44	11	21.05	11	19.85
20	19.92	19	20.52	18	21.09	18	19.91
27	18.81	26	20.58	25	21.21	27	20.08

Mt 4. John Ketcham. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 4 N., R. 5 W. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	2.72	Apr. 3	2.97	July 3	3.24	Oct. 2	4.27
9	2.62	10	2.79	10	3.29	9	4.39
16	2.09	17	3.06	17	3.79	16	4.46
23	2.96	24	3.11	24	3.12	23	4.59
30	3.19	May 1	3.03	31	3.91	30	5.08
Feb. 6	2.94	8	3.03	Aug. 7	4.02	Nov. 6	5.29
13	2.71	15	3.04	14	5.08	13	5.37
20	3.05	22	3.11	21	5.79	20	3.38
27	3.09	29	3.22	28	6.15	27	3.93
Mar. 6	3.32	June 4	3.08	Sept. 4	5.38	Dec. 4	3.09
13	3.59	12	3.11	11	3.19	11	3.08
20	3.48	19	3.03	18	3.59	18	3.18
27	2.79	26	3.11	25	3.69	27	3.39

Miami CountyMi 1. Edna Fish and Clark McConnell. Bunker Hill. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, T. 26 N., R. 4 E. Measurements made by George Koerner and George Plummer. Records available: 1948-50.

Jan. 2	43.73	Jan. 30	42.73	Feb. 27	43.77	Apr. 27	42.47
9	42.77	Feb. 6	42.73	Mar. 6	42.74	May 26	44.11
16	42.74	13	41.61	13	42.71	June 27	44.21
23	42.71	20	42.72	20	43.77	July 18	44.96

Monroe CountyMr 2. State of Indiana. Morgan-Monroe State Forest. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 10 N., R. 1 W. Measurements made by Victor McGee. Records available: 1944-50.

Jan. 3	4.65	Apr. 4	10.51	July 4	22.10	Oct. 3	23.00
10	9.70	11	12.60	11	22.60	10	23.60
17	10.10	18	15.60	18	23.20	17	23.60
24	9.75	25	17.95	25	23.20	24	23.90
31	10.10	May 2	17.30	Aug. 1	22.90	31	24.00
Feb. 7	12.80	9	18.30	8	23.10	Nov. 7	24.20
14	6.99	16	18.40	15	23.60	14	23.10
21	10.79	23	20.00	22	23.90	21	16.00
29	10.60	30	21.20	29	24.10	28	15.95
Mar. 7	15.00	June 6	21.90	Sept. 5	24.00	Dec. 5	14.55
14	15.89	13	22.60	12	20.00	12	15.60
21	16.55	20	21.90	19	23.60	18	19.30
28	12.93	27	21.70	26	22.90	26	19.74

Mr 3. Dustin McDonald. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 7 N., R. 2 W. Records available: 1944-50.

Jan. 7	12.14	Feb. 25	13.40	Apr. 29	16.04	July 26	21.73
14	14.38	Mar. 5	16.14	May 6	15.35	29	18.75
21	14.63	12	16.52	20	16.92	Aug. 5	21.40
28	11.96	Apr. 1	17.22	27	17.99	12	21.60
Feb. 4	13.88	10	14.15	June 10	19.10	19	22.77
11	15.40	15	16.35	17	20.05	26	23.32
18	12.95	22	16.90	July 8	20.95	Oct. 21	23.55

Montgomery CountyMy 1. W. H. Moore. Waveland. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 17 N., R. 6 W. Records available: 1935-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.04	6.82	6.87	6.13	6.97	9.73	8.96	10.94	10.57	9.61	10.95	8.30
2	7.18	7.07	7.08	6.41	6.89	9.85	9.11	11.00	11.02	9.79	10.96	8.28
3	7.05	7.39	7.23	6.49	6.91	9.84	9.02	11.08	10.97	9.94	11.09	6.42
4	3.37	7.56	7.30	5.65	7.05	9.64	8.60	11.16	10.97	10.08	11.10	6.10
5	4.53	7.71	7.33	4.89	7.16	9.60	8.31	11.23	11.08	10.18	11.11	6.17
6	5.36	7.66	7.44	5.28	7.33	9.64	8.34	11.32	11.15	10.25	11.13	6.34
7	5.61	7.84	7.48	5.65	7.60	9.78	8.52	11.38	11.15	10.34	11.25	5.88
8	6.03	8.08	7.41	5.89	7.81	9.88	8.74	11.44	11.12	10.42	11.08	5.86

My 1--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
9	6.06	7.50	7.85	6.32	7.81	9.97	8.91	11.48	11.14	10.05	10.70	6.14
10	5.54	7.16	8.04	6.48	7.90	9.96	....	11.51	11.16	9.50	10.46	6.34
11	5.42	7.01	7.87	6.54	8.15	9.87	....	11.54	11.20	9.21	10.19	6.67
12	5.61	7.12	7.75	6.78	8.26	9.94	....	11.57	11.28	9.11	10.04	6.87
13	5.81	6.15	7.52	6.87	8.29	9.94	....	11.59	11.37	9.30	9.94	7.17
14	4.90	4.79	7.21	7.07	8.40	9.83	....	11.63	11.46	9.45	9.96	7.43
15	5.36	4.85	6.94	7.24	8.50	9.86	9.89	11.62	11.52	9.55	9.91	7.56
16	4.83	5.31	6.88	7.37	8.73	9.87	9.99	11.65	11.57	9.78	9.65	7.89
17	5.38	5.75	6.89	7.42	8.90	9.71	10.12	11.69	11.67	9.92	9.35	....
18	5.57	6.07	6.90	7.54	9.05	9.56	10.22	11.72	11.78	10.04	9.08	....
19	6.17	6.36	7.16	7.68	9.17	8.83	10.29	11.70	11.80	10.08	8.83	....
20	6.65	6.66	7.11	7.86	9.28	8.00	10.13	11.76	10.80	10.13	6.77	....
21	6.83	6.72	6.96	7.94	9.42	7.91	10.16	11.79	9.49	10.24	7.00	....
22	6.93	6.41	6.79	8.09	9.48	8.10	....	11.79	7.16	10.29	6.67	h8.74
23	7.16	6.27	6.74	8.10	9.61	8.23	10.44	11.85	7.45	10.37	6.74	8.86
24	7.23	6.28	6.81	7.72	9.70	8.42	10.58	11.91	7.91	10.54	7.09	8.85
25	7.19	6.60	6.98	7.30	9.76	8.46	10.64	11.94	8.28	10.62	7.29	9.07
26	5.67	6.76	7.07	7.08	9.93	8.17	....	11.98	8.56	10.73	7.24	9.05
27	5.49	6.95	6.74	7.04	10.07	8.23	16.69	12.01	8.81	10.73	7.45	9.41
28	5.61	6.91	4.96	7.19	10.07	8.46	10.72	12.03	9.04	10.71	7.82	9.47
29	5.75	....	5.30	7.29	9.97	8.57	10.76	12.05	9.26	10.82	8.06	9.44
30	6.41	....	5.81	7.23	9.69	8.76	10.83	12.08	9.43	10.83	8.10	9.60
31	6.58	....	6.04	....	9.59	....	10.91	12.10	....	10.94	....	9.75

h Tape measurement.

My 4. Mrs. W. L. Glenn Estate. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 17 N., R. 6 W. Records available: 1935-42, 1946-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.27	3.30	3.04	2.72	2.40	5.24	8.57	11.55	14.12	11.38	11.59	10.79
2	10.26	3.45	2.98	2.73	2.44	5.38	8.71	11.69	13.95	11.34	11.62	10.77
3	10.25	3.60	3.04	2.76	2.59	5.52	8.72	11.83	13.77	11.32	11.65	10.92
4	4.50	3.76	3.14	2.50	2.76	5.56	8.73	11.97	13.63	11.31	11.68	10.69
5	2.55	3.91	3.22	2.11	2.88	5.70	8.79	12.12	13.51	11.30	11.70	10.66
6	3.14	4.02	3.29	2.36	2.95	5.85	8.87	12.22	13.42	11.31	11.73	10.63
7	3.50	4.14	3.32	2.54	3.05	6.02	8.96	12.42	13.35	11.33	11.76	10.60
8	3.85	4.25	3.23	2.66	3.17	6.20	9.07	12.57	13.29	11.35	11.78	10.58
9	4.12	4.01	3.20	2.79	3.26	6.28	9.17	12.69	13.22	11.35	11.74	10.57
10	3.75	3.63	3.24	2.87	3.33	6.43	....	12.75	13.18	11.28	11.65	10.54
11	2.37	3.53	3.27	2.90	3.41	6.57	....	12.84	13.14	11.25	11.57	10.53
12	2.74	3.49	3.27	2.79	3.48	6.73	....	12.90	13.12	e11.20	11.50	10.51
13	2.98	1.40	3.06	2.70	3.52	6.88	....	12.98	13.09	e11.14	11.43	10.50
14	1.98	1.60	2.91	2.89	3.56	6.94	....	13.08	13.08	11.11	11.38	10.49
15	2.45	1.94	2.87	2.98	3.61	7.08	9.86	13.17	13.08	11.10	11.33	10.49
16	2.11	2.33	2.71	3.05	3.68	7.21	9.99	13.25	13.08	11.10	11.29	10.49
17	2.57	2.55	2.36	3.10	3.76	7.33	10.07	13.33	13.10	11.12	11.25	10.51
18	2.79	2.67	2.37	3.15	3.84	7.39	10.16	13.41	13.13	11.14	11.24	10.52
19	3.02	2.76	2.56	3.20	3.91	7.40	10.23	13.45	13.17	11.17	....	10.54
20	3.30	2.87	2.69	3.26	4.00	7.41	10.27	13.51	13.13	11.19	....	10.55
21	3.50	2.95	2.54	3.30	4.07	7.48	10.30	13.58	12.90	11.22	....	10.56
22	3.70	2.89	2.44	3.36	4.13	7.60	10.40	13.65	12.64	11.25	....	10.58
23	3.92	2.52	2.49	3.39	4.20	7.72	e10.49	e13.71	12.42	11.28	....	10.59
24	4.07	2.50	2.59	3.38	4.28	7.84	e10.60	e13.78	12.20	11.32	e10.91	10.60
25	3.93	2.58	2.68	3.22	4.39	7.92	e10.70	13.84	12.02	11.35	10.90	10.61
26	1.52	2.75	2.78	2.95	4.68	8.01	e10.81	13.90	11.80	11.39	10.88	10.62
27	2.35	2.91	2.79	2.87	4.79	8.16	e10.92	13.95	11.73	11.42	10.86	10.64
28	2.63	3.01	1.62	2.97	4.88	8.27	11.02	14.00	11.61	11.46	10.83	10.66
29	2.77	....	2.27	3.02	4.91	8.34	11.17	14.05	11.51	11.49	10.82	10.69
30	2.95	....	2.50	3.09	5.00	8.47	11.32	14.09	11.44	11.52	10.80	10.72
31	3.10	....	2.65	....	5.10	....	11.46	14.13	....	11.56	....	10.74

e Estimated.

Morgan CountyMg 3. State of Indiana. Morgan-Monroe State Forest. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 11 N., R. 1 E. Measurements made by Victor McGee. Records available: 1945-50.

Mg 3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	5.15	Apr. 4	5.58	July 4	6.30	Oct. 3	6.80
10	4.50	11	5.10	11	6.70	10	6.90
17	6.18	18	6.10	18	7.20	17	6.80
24	5.78	25	6.12	25	3.70	24	7.10
31	6.00	May 2	4.30	Aug. 1	6.30	31	7.50
Feb. 7	6.20	9	6.10	8	6.50	Nov. 7	6.15
14	5.58	16	6.20	15	7.90	14	6.35
21	4.70	23	6.30	22	8.00	21	6.10
28	5.90	30	6.10	29	8.10	28	6.05
Mar. 7	6.16	June 6	6.30	Sept. 5	7.20	Dec. 5	5.80
14	6.84	13	3.70	12	7.30	12	5.75
21	6.00	20	3.30	19	7.30	18	1.75
28	5.91	27	3.50	26	6.30	26	3.50

Noble County

No 5. Rolla Becker. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 34 N., R. 10 E. Measurements made by Keith Becker. Records available: 1942-50.

Jan. 1	1.35	Apr. 3	1.14	July 3	4.06	Oct. 3	4.31
Feb. 1	1.08	15	2.54	Aug. 1	4.12	Nov. 1	4.55
15	2.39	May 15	3.72	15	5.08	15	3.24
Mar. 15	1.94	June 15	4.28	Sept. 15	2.72	Dec. 15	3.50

No 6. City of Kendallville. Diamond St. at Bixler Lake. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 35 N., R. 11 E. Measurements made by Cecil Likens. Records available: 1946-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	19.95	.....	19.50	.....	20.10	22.10	21.95	.....	22.70	21.40	22.05
2	h20.85	19.95	.....	19.50	18.80	20.40	21.95	21.85	.....	22.55	21.30	22.15
3	20.80	20.00	h20.05	19.45	18.80	20.70	21.70	22.10	.....	22.70	21.15	22.05
4	20.90	19.60	20.10	19.55	18.95	20.75	21.55	21.60	.....	22.70	21.25	21.95
5	20.85	19.70	20.05	19.55	19.05	20.65	.....	21.90	21.90	22.40	21.15	21.75
6	20.80	19.60	20.10	19.50	19.00	20.75	.....	21.85	21.90	22.50	21.25	21.80
7	20.74	19.55	19.95	19.30	18.95	21.00	.....	21.70	21.85	22.35	21.40	21.60
8	20.70	19.70	20.05	19.45	19.05	21.10	.....	21.85	22.05	22.15	21.55	21.55
9	20.55	19.75	20.15	19.30	19.00	20.95	.....	21.95	22.05	22.00	21.65	.....
10	20.50	19.75	20.10	19.20	19.05	21.40	h21.80	21.95	21.90	21.95	21.65	.....
11	.....	.....	19.90	19.05	19.30	21.35	.....	22.15	e22.95	.....	21.60	.....
12	.....	.....	19.90	19.15	19.20	21.20	.....	22.30	.....	.....	22.00	21.55
13	h20.69	.....	19.85	19.10	19.15	21.55	.....	22.10	.....	21.95	22.00	21.20
14	20.75	.....	19.90	19.00	19.00	21.75	.....	21.95	.....	21.90	22.10	21.30
15	20.55	.....	19.80	.....	19.00	21.60	22.75	22.05	h22.22	21.95	21.90	21.25
16	20.50	.....	19.90	.....	19.10	21.90	22.15	22.05	22.75	e21.90	21.90	21.30
17	20.50	.....	19.70	.....	19.05	22.00	21.80	22.05	22.90	.....	22.05	21.30
18	20.45	19.85	.....	18.90	19.20	21.90	21.30	22.20	.....	.....	21.80	21.10
19	20.70	h19.85	.....	18.95	19.15	21.75	21.60	22.25	.....	.....	21.95	21.15
20	20.65	20.05	.....	18.45	19.55	21.85	21.60	22.25	.....	.....	21.80	21.40
21	.....	19.95	.....	18.90	19.60	22.05	22.10	22.00	.....	.....	22.05	21.05
22	.....	19.80	.....	18.95	19.50	22.00	22.00	22.15	h22.42	.....	22.10	20.65
23	.....	19.85	.....	18.85	19.60	22.00	21.80	22.05	.....	.....	22.30	20.55
24	.....	19.75	.....	18.65	19.55	22.10	21.75	22.00	.....	.....	22.15	20.55
25	.....	19.80	.....	18.55	19.60	22.10	21.90	21.95	.....	.....	22.20	20.45
26	.....	.....	.....	18.80	19.90	21.95	22.00	22.25	.....	.....	22.10	20.35
27	h20.27	.....	.....	18.85	19.70	22.00	22.00	22.20	.....	.....	22.05	20.40
28	20.15	.....	.....	18.80	19.60	22.05	21.85	22.05	.....	21.50	22.05	20.40
29	20.10	.....	.....	.....	19.65	22.00	21.70	22.00	h22.68	21.40	21.90	20.35
30	20.05	.....	.....	.....	19.90	.....	21.95	21.95	22.55	21.20	22.05	.....
31	19.90	.....	h19.55	.....	19.95	.....	21.90	22.30	.....	21.30	.....	.....

e Estimated.

h Tape measurement.

No 7. Arthur McClellan. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 33 N., R. 9 E. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	21.76	Jan. 15	20.98	Feb. 1	18.87	Feb. 19	18.32
8	21.50	23	20.05	13	18.40	26	18.20

No 7--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5	18.16	May 7	17.08	July 30	19.48	Oct. 15	20.49
12	17.85	14	17.48	Aug. 6	19.60	22	20.50
19	17.85	June 4	18.50	14	19.70	29	20.63
26	17.70	11	18.54	20	19.80	Nov. 5	20.70
Apr. 2	17.24	18	18.68	27	19.91	20	20.80
9	16.16	July 4	19.00	Sept. 3	20.04	Dec. 3	20.80
16	15.90	9	19.12	17	20.20	10	20.57
23	16.14	16	19.25	24	20.29	17	20.27
May 1	16.60	23	19.36	Oct. 8	20.39	26	20.22

Ohio CountyOh 1. Arthur H. Hannah. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 3 N., R. 2 W. Records available:

1944-50.

Jan. 14	12.34	Apr. 8	3.44	July 1	11.13	Oct. 7	10.61
21	11.11	15	3.49	15	9.62	14	10.21
28	9.90	22	3.84	22	9.49	21	9.72
Feb. 4	6.46	29	5.47	29	9.78	Nov. 4	10.11
11	4.58	May 6	6.37	Aug. 5	10.09	11	10.26
18	2.96	13	7.06	12	10.24	18	9.95
25	1.84	20	7.29	26	10.39	Dec. 2	9.07
Mar. 4	1.78	27	7.66	Sept. 2	10.98	9	8.66
11	1.99	June 3	9.28	9	11.57	16	8.26
18	2.41	10	9.84	16	11.80	23	6.33
25	2.81	17	10.28	23	11.32	30	5.51
Apr. 1	3.56	24	10.69	30	11.41		

Orange CountyOr 1. Herman D. Wining. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 1 N., R. 2 E. Records available:

1944-50.

Jan. 7	0.72	Apr. 8	1.42	July 8	4.81	Oct. 8	8.99
14	.82	17	2.36	15	5.29	14	9.72
21	1.46	22	3.02	22	5.31	21	9.75
28	.76	29	3.04	29	5.79	28	9.61
Feb. 4	.81	May 6	3.44	Aug. 6	6.48	Nov. 4	9.63
11	.82	13	3.39	12	7.02	11	9.71
18	1.15	20	2.51	19	7.19	18	9.51
25	1.58	29	3.02	26	7.48	27	9.55
Mar. 4	2.02	June 3	3.30	Sept. 2	6.79	Dec. 4	9.32
11	2.04	10	3.52	9	7.81	9	9.48
18	2.11	17	4.28	16	7.52	16	9.72
25	1.73	24	4.02	25	8.09	23	10.19
Apr. 1	1.81	July 1	4.48	30	8.33	30	10.03

Owen CountyOw 2. Agnes Stuckey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, T. 12 N., R. 4 W. Records available: 1946-50.

Daily 2 a.m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.36	16.47	17.86	15.90	18.56	18.84	18.71	20.00	.....	18.68	20.20	18.54
2	18.14	16.97	17.96	16.52	18.56	18.91	18.79	20.05	h12.64	18.94	20.20	18.59
3	18.06	17.37	e18.07	17.01	18.54	18.95	18.84	20.10	14.05	19.14	20.24	.....
4	.....	.....	e18.13	17.35	18.54	18.41	18.68	20.16	15.40	19.30	20.26	10.47
5	.....	h17.98	h18.21	13.25	18.53	18.49	18.73	20.20	16.33	19.42	20.22	12.68
6	.....	18.02	18.22	14.50	18.52	18.58	18.78	20.26	17.18	19.51	20.22	13.95
7	.....	18.09	18.22	15.44	18.55	18.68	18.84	20.32	17.74	19.60	20.24	14.14
8	h15.10	18.19	18.04	16.08	18.60	18.78	18.90	20.36	18.16	19.65	.....	14.95
9	15.50	17.95	18.03	16.69	18.63	18.86	18.96	20.40	18.42	19.20	10.88	15.79
10	14.52	18.00	18.21	17.17	16.95	12.26	19.02	20.43	18.65	19.10	13.90	16.38
11	.....	18.09	18.29	.....	17.00	14.12	19.09	20.46	18.79	19.18	15.32	16.99
12	.....	h18.99	18.26	.....	17.42	15.38	19.17	20.47	18.92	19.22	16.28	17.44
13	.....	.....	e17.65	.....	17.70	16.59	19.23	20.49	19.05	19.32	17.10	17.75
14	.....	.....	17.77	h18.19	17.94	16.93	19.31	20.50	19.18	19.43	17.69	18.02
15	h6.74	.....	17.97	.....	18.11	17.51	19.40	20.52	19.28	.....	18.12	18.21

Ow 2--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	July	Sept.	Oct.	Nov.	Dec.
16	.....	.....	18.08	18.22	18.26	17.85	19.47	20.52	19.37	.....	18.41	18.39
17	.....	h15.07	18.15	18.27	18.37	18.04	19.54	20.53	19.48	.....	18.61	18.53
18	.....	.....	18.19	18.30	18.45	18.31	19.60	20.52	19.60	19.80	18.73	18.63
19	.....	.....	18.29	18.32	18.52	17.80	19.61	19.83	19.68	19.83	18.82	18.70
20	.....	16.66	18.32	18.36	18.57	14.06	19.57	19.75	19.74	19.84	.....	18.73
21	.....	17.12	17.76	18.40	18.60	15.16	19.52	19.76	19.78	19.87	10.38	18.79
22	h16.94	16.85	17.90	18.42	18.63	15.98	19.56	19.84	.....	19.89	13.67	18.81
23	17.21	16.58	18.02	18.43	18.67	16.70	19.61	19.95	12.38	19.91	14.98	18.82
24	16.45	16.85	18.12	18.43	18.70	17.31	19.66	20.07	14.40	19.99	15.91	18.81
25	16.67	17.18	18.20	18.42	18.72	17.70	19.72	20.16	15.62	20.03	16.72	18.83
26	.....	17.47	18.27	18.44	18.75	18.03	19.78	22.24	16.48	20.08	17.29	18.83
27	.....	17.69	17.25	18.47	18.78	18.28	19.81	20.32	17.27	20.10	17.64	18.90
28	.....	17.84	.....	18.52	18.80	18.45	19.85	20.38	17.76	20.09	18.01	18.94
29	.....	.....	12.30	18.55	18.82	18.55	19.88	20.42	18.22	20.13	18.29	18.94
30	15.13	.....	14.08	18.56	18.82	18.63	19.91	20.47	18.49	20.18	18.43	18.95
31	15.84	.....	15.17	.....	18.82	.....	19.96	20.38	.....	20.19	.....	19.03

e Estimated.

h Tape measurement.

Ow 3. Ben Lambert. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 12 N., R. 4 W. Records available: 1946-49. No measurement made in 1950.

Ow 4. Jackson Township School. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 12 N., R. 4 W. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	79.25	Apr. 3	78.89	July 3	78.59	Oct. 2	75.42
9	78.64	10	78.51	10	78.80	9	75.07
16	78.42	17	78.19	17	78.89	16	76.76
23	80.38	24	78.08	24	77.32	23	76.19
30	80.29	May 1	78.26	31	77.46	30	77.67
Feb. 6	80.23	4	78.37	Aug. 7	77.69	Nov. 6	76.45
13	79.07	15	78.54	14	78.12	13	76.13
20	79.48	22	78.67	21	78.08	20	76.68
27	78.12	29	78.55	28	78.27	27	77.34
Mar. 6	78.64	June 5	79.38	Sept. 5	78.69	Dec. 4	75.79
13	78.69	12	79.20	11	77.80	11	75.26
20	78.37	19	78.37	18	76.38	18	76.46
27	78.80	25	78.47	25	77.59	26	77.80

Ow 5. Ed Laudig. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, T. 12 N., R. 4 W. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	1.89	Apr. 2	1.99	July 1	4.67	Sept. 30	5.97
14	1.06	10	2.96	7	6.07	Oct. 10	5.16
21	1.93	15	2.82	15	5.27	14	4.99
28	1.78	24	3.08	21	7.74	22	6.61
Feb. 4	2.02	May 1	3.04	30	7.42	28	7.07
11	2.65	6	2.72	Aug. 6	8.07	Nov. 4	7.15
17	1.93	13	4.06	12	8.42	12	5.29
18	2.05	20	3.64	20	8.67	19	6.75
25	1.83	27	5.76	26	8.57	Dec. 2	1.96
Mar. 3	3.89	June 7	6.98	Sept. 3	5.88	9	2.08
11	2.86	10	7.74	9	5.33	16	2.97
18	2.61	17	6.66	17	6.39	24	3.75
25	2.07	26	3.74	24	4.06	29	3.85

Ow 6. Ed Laudig. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 12 N., R. 5 W. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	3.38	Apr. 2	5.43	July 1	6.47	Sept. 30	6.38
14	3.49	10	4.58	7	6.99	Oct. 10	6.83
21	4.88	15	5.53	15	7.59	14	5.38
28	4.36	24	5.55	21	6.49	22	7.49
Feb. 4	5.26	May 1	5.59	30	7.46	28	7.58
11	4.38	6	5.88	Aug. 6	8.49	Nov. 4	7.53
17	4.36	13	5.49	12	7.55	12	5.57
18	4.56	20	5.38	20	6.58	19	6.12
25	4.59	27	6.78	26	7.29	Dec. 2	3.05
Mar. 3	5.09	June 7	6.77	Sept. 3	4.24	9	3.58
11	5.43	10	7.36	9	6.06	16	3.49
18	5.45	17	6.85	17	6.24	24	6.13
25	5.08	26	5.51	25	5.08	29	5.25

Parke County

Pa 1. Donald C. Stutler. $E\frac{1}{2}SE\frac{1}{4}$ sec. 3, T. 15 N., R. 8 W. Measurements made by Donald C. Stutler. Measurement discontinued. Records available: 1945-50. Jan. 5, 4.78; Jan. 12, 4.60; Jan. 19, 4.50; July 14, 3.84.

Perry County

Pe 1. John Snyder. $SW\frac{1}{4}SE\frac{1}{4}$ sec. 21, T. 5 S., R. 2 W. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	3.80	Apr. 9	3.69	July 9	7.28	Oct. 8	5.80
8	2.38	16	4.65	16	8.03	15	6.80
15	1.69	23	5.47	23	7.80	22	7.10
22	3.31	30	6.04	30	7.96	29	7.40
29	2.30	May 8	5.80	Aug. 7	7.66	Nov. 5	7.45
Feb. 5	2.20	14	3.19	13	7.80	12	6.15
12	1.25	21	5.40	20	7.80	19	2.47
19	2.80	28	5.35	27	8.57	26	4.41
26	3.44	June 4	5.17	Sept. 4	2.77	Dec. 3	2.10
Mar. 5	4.40	11	6.30	11	1.79	10	3.10
12	2.70	18	6.22	17	4.65	17	4.40
19	3.75	25	4.80	24	3.52	24	5.60
26	4.09	July 2	6.66	Oct. 1	5.35	Dec. 31	6.16
Apr. 2	3.79						

Pike County

Pi 1. A. J. Heuring. Lafayette and Main Sts., Winslow. $NE\frac{1}{4}SW\frac{1}{4}$ sec. 32, T. 1 S., R. 7 W. Measurements made by A. H. Barrett. Records available: 1936-50.

Jan. 3	6.92	Apr. 4	4.40	July 4	7.12	Oct. 3	7.07
10	5.57	11	4.42	11	7.30	10	7.11
17	5.05	18	5.20	18	7.59	17	7.46
24	5.46	25	5.69	25	7.43	24	7.62
31	5.05	May 2	6.08	Aug. 1	7.35	31	7.79
Feb. 7	5.02	9	6.18	8	7.60	Nov. 7	7.88
14	3.62	16	5.78	15	8.03	14	7.50
21	4.54	23	6.02	22	8.09	21	7.18
28	4.48	30	6.23	29	8.27	28	6.40
Mar. 7	5.33	June 6	6.32	Sept. 5	7.68	Dec. 5	6.32
14	5.73	13	6.40	12	6.84	12	6.08
21	5.70	20	6.55	19	6.69	19	6.30
28	5.02	27	7.05	26	6.73	26	6.41

Porter County

Pt 1. City of Valparaiso. Valparaiso Water Department. $NE\frac{1}{4}SW\frac{1}{4}$ sec. 6, T. 35 N., R. 5 W. Records available: 1935-50. Measurements made by J. F. Bradley.

Jan. 1	59.08	Apr. 9	56.55	July 9	53.57	Oct. 1	52.39
8	59.05	16	56.35	16	53.35	8	52.28
16	59.03	23	56.43	23	53.21	15	52.37
22	60.08	30	55.75	30	53.08	22	52.17
30	60.58	May 7	55.47	Aug. 6	53.05	29	52.18
Feb. 5	60.94	14	55.26	13	52.94	Nov. 5	52.65
19	59.90	21	55.20	20	52.84	12	53.79
26	59.54	28	54.56	27	52.70	19	54.30
Mar. 5	59.58	June 4	54.40	Sept. 3	52.67	Dec. 3	55.20
12	59.92	11	54.27	10	52.53	10	55.68
19	58.53	18	53.98	17	52.58	24	55.91
26	57.87	25	53.88	24	52.60	31	55.96
Apr. 2	57.20	July 2	53.80				

Pt 3. State of Indiana. Dunes State Park. $NE\frac{1}{4}SW\frac{1}{4}$ sec. 13, T. 37 N., R. 6 W. Measurements made by Claude Beach and Lawrence Knoblock. Records available: 1935-46, 1948-50.

Pt 3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	15.98	Mar. 25	14.59	June 3	13.90	Aug. 19	14.74
11	15.71	Apr. 1	14.56	10	13.85	26	14.95
18	15.59	8	14.15	17	13.79	Sept. 9	15.15
26	15.45	15	13.97	24	13.67	30	15.51
Feb. 2	15.33	22	13.88	July 1	13.68	Oct. 14	15.61
9	15.24	29	13.79	8	14.13	21	15.68
18	15.15	May 6	13.78	15	14.40	28	15.74
25	15.13	13	13.77	22	14.32	Nov. 18	15.74
Mar. 4	14.97	20	13.87	Aug. 5	14.44	Dec. 2	15.96
11	14.93	27	13.95	12	14.65	9	15.99
18	14.61						

Pt 6. Indiana Associated Telephone Corp. Wheeler. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, T. 35 N., R. 7 W. Records available: 1948-50.

Jan. 7	4.09	Apr. 8	2.32	July 8	5.31	Oct. 7	16.05
14	2.12	15	2.72	15	5.89	14	16.38
21	3.02	22	3.36	22	5.66	21	16.55
28	2.09	29	2.37	29	6.01	28	16.74
Feb. 4	3.17	May 6	3.36	Aug. 5	6.83	Nov. 4	17.25
11	3.37	13	4.03	12	8.11	11	17.67
19	1.87	20	4.68	19	9.27	18	18.37
25	2.97	27	5.47	26	10.40	25	18.09
Mar. 4	2.46	June 3	3.75	Sept. 2	11.45	Dec. 2	16.97
11	2.38	10	4.09	9	12.34	9	16.15
18	1.69	17	3.24	16	13.74	16	16.39
25	2.72	24	3.70	23	14.27	23	16.21
Apr. 1	2.33	July 1	4.60	30	14.86	30	15.66

Posey CountyPy 2. Warren Wade Estate. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 5 S., R. 12 W. Records available: 1947-50.

Jan. 4	4.90	Apr. 5	3.82	July 12	4.52	Oct. 11	5.76
11	4.56	12	3.18	19	4.90	18	5.70
18	4.84	19	3.86	Aug. 2	4.86	25	5.82
25	4.82	26	3.84	9	5.04	Nov. 1	5.84
Feb. 1	4.76	May 3	3.35	16	5.12	8	5.74
8	4.14	10	3.56	23	5.02	15	5.72
15	4.76	18	3.88	30	5.12	22	5.88
22	4.82	24	3.90	Sept. 6	5.18	29	5.12
Mar. 1	3.86	31	3.54	13	5.76	Dec. 6	5.08
8	3.84	June 7	3.88	20	5.88	13	4.76
15	3.78	21	3.86	27	5.84	20	4.68
22	3.82	28	4.92	Oct. 5	5.66	27	4.64
29	3.86	July 5	4.36				

Pulaski CountyPu 1. State of Indiana. Jasper-Pulaski State Game Preserve. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 31 N., R. 4 W. Measurements made by Cecil H. Rowe. Records available: 1935-42, 1944-50.

Jan. 2	7.47	Apr. 3	5.66	July 17	7.44	Oct. 9	8.25
9	7.08	10	5.31	24	7.06	16	8.30
16	6.89	17	5.47	31	7.16	23	8.32
23	6.55	24	5.59	Aug. 7	7.66	30	8.63
30	5.86	May 1	5.86	14	7.75	Nov. 5	8.69
Feb. 6	6.16	8	6.24	21	7.95	13	8.75
13	5.96	15	6.55	28	7.99	20	8.73
20	5.92	29	6.47	Sept. 4	7.96	27	8.25
27	5.98	June 5	6.68	11	8.39	Dec. 4	8.08
Mar. 6	5.97	19	6.43	18	8.74	11	8.06
13	5.52	26	6.53	25	8.50	18	8.10
20	5.48	July 3	6.54	Oct. 2	8.44	25	8.06
27	5.37	10	6.55				

Putnam County

Pn 2. W. W. Coffman. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, T. 12 N., R. 4 W. Drilled unused well, diameter 6 inches, depth 202 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	98.38	Feb. 19	72.02	June 11	109.54	Sept. 24	115.13
8	91.09	26	72.14	17	106.53	Oct. 1	117.54
11	71.70	Mar. 5	81.00	25	101.91	8	111.08
13	66.70	12	81.74	July 2	106.78	15	113.46
16	63.62	19	88.12	9	107.40	22	113.08
18	69.53	26	78.26	15	109.75	29	118.03
20	70.63	Apr. 2	86.95	23	110.15	Nov. 5	119.09
23	79.30	9	85.74	30	110.83	12	123.65
24	69.09	16	90.82	Aug. 6	114.79	19	110.99
26	64.00	23	103.53	13	116.24	26	111.65
28	69.59	30	104.22	20	115.68	Dec. 3	104.66
30	70.90	May 7	108.69	27	117.41	10	106.44
Feb. 2	70.53	14	110.55	Sept. 3	113.43	17	106.53
4	77.80	21	111.10	10	115.28	24	109.75
5	79.40	28	110.55	16	117.65	31	110.03
12	70.25	June 4	109.57				

Pn 3. Frederic A. Danforth. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 12 N., R. 4 W. Records available: 1946-50.

Jan. 1	131.36	Feb. 26	129.68	June 11	130.07	Sept. 24	130.26
8	.....	Mar. 5	129.76	17	130.06	Oct. 1	129.93
11	124.66	12	130.84	25	130.03	8	129.73
13	127.00	19	129.80	July 2	129.58	15	130.31
16	127.80	26	129.95	9	130.19	22	130.21
18	129.70	Apr. 2	129.75	15	130.85	29	130.38
20	126.86	9	129.83	23	130.36	Nov. 5	130.61
23	129.10	16	129.83	30	130.40	12	130.36
24	124.49	23	129.85	Aug. 6	130.40	19	130.30
28	126.49	30	129.81	13	130.48	26	129.74
30	126.89	May 7	129.89	20	130.24	Dec. 3	130.96
Feb. 2	129.52	14	129.90	27	130.25	10	132.06
4	130.43	21	129.97	Sept. 3	129.93	17	132.12
5	129.52	28	130.03	10	130.22	24	130.87
12	129.31	June 4	130.00	16	130.24	31	130.92
19	129.41						

Randolph County

Ra 1. Artie V. Keys. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 20 N., R. 14 E. Measurements made by Artie V. Keys. Records available: 1942-50.

Jan. 15	12.68	Apr. 15	13.15	July 15	13.60	Oct. 15	14.33
31	12.54	30	13.07	31	14.33	31	14.36
Feb. 15	12.20	May 15	13.27	Aug. 15	14.10	Nov. 15	14.05
28	12.74	31	14.12	31	14.97	30	13.40
Mar. 15	13.27	June 15	13.85	Sept. 15	15.40	Dec. 15	12.91
31	12.63	30	13.45	30	14.52	31	12.98

Ra 2. James A. Lane. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 19 N., R. 13 E. Records available: 1946-50.

Jan. 7	1.00	Apr. 8	1.95	July 8	2.40	Oct. 7	3.69
14	.95	15	2.47	15	3.32	14	2.67
21	2.28	22	2.81	22	3.95	21	3.32
28	2.57	29	3.04	29	4.26	28	3.74
Feb. 4	3.23	May 7	3.01	Aug. 5	4.53	Nov. 4	3.19
11	1.49	14	3.00	12	5.19	11	2.93
18	1.68	20	2.97	19	5.30	18	2.68
25	2.17	27	2.92	26	2.97	25	2.79
Mar. 4	2.69	June 3	2.90	Sept. 2	4.07	Dec. 2	2.95
11	2.09	10	2.81	9	4.41	9	3.09
18	1.72	17	2.87	16	5.09	16	3.30
25	1.65	24	2.93	23	1.85	23	3.47
Apr. 1	2.02	July 1	2.98	30	3.01	30	3.13

Ripley CountyRi 1. Cleve Fagan. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 8 N., R. 11 E. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	7.40	Apr. 8	2.80	July 8	6.38	Sept. 30	9.84
14	6.22	15	3.70	15	5.70	Oct. 8	10.29
21	5.40	22	3.74	23	6.48	14	10.43
28	5.21	29	3.90	29	6.30	28	10.56
Feb. 2	3.80	May 6	3.67	Aug. 5	7.20	Nov. 4	9.24
11	4.30	13	3.91	12	7.30	11	9.43
18	4.31	20	3.70	19	7.00	18	8.63
25	4.46	27	4.44	26	9.64	25	7.86
Mar. 4	3.77	June 3	4.40	Sept. 2	9.74	Dec. 2	7.57
11	4.42	10	4.40	9	10.37	9	8.30
18	3.70	17	4.80	16	9.80	23	6.40
25	4.00	24	5.33	23	10.50	30	6.20
Apr. 1	3.65	July 1	5.23				

Rush CountyRu 1. Wilbert H. Hahn. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 14 N., R. 10 E. Records available: 1945-50.

Jan. 16	2.43	Mar. 24	2.64	May 28	4.60	Aug. 25	6.24
26	1.53	31	2.62	June 4	4.65	Sept. 4	6.26
30	2.73	Apr. 7	2.86	21	4.54	Oct. 13	4.68
Feb. 3	3.21	22	4.22	July 7	4.72	20	4.93
10	2.15	28	4.27	14	5.12	Nov. 3	5.12
17	2.53	May 5	3.83	21	5.31	11	4.20
Mar. 3	3.98	12	3.96	Aug. 19	6.24	21	3.29
12	3.49						

St. Joseph CountySj 1. City of Mishawaka. Mishawaka Water and Light Dept. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 37 N., R. 3 E. Measurements made by A. R. Klein. Records available: 1935-50.

Jan. 1	8.00	Apr. 1	5.75	July 2	8.42	Oct. 1	11.08
15	9.00	5	4.75	16	9.00	15	11.50
Feb. 1	9.92	15	7.57	Aug. 1	9.08	Nov. 1	12.42
15	9.07	May 15	8.58	16	11.50	16	10.16
Mar. 1	10.66	June 2	10.83	Sept. 2	11.00	Dec. 1	10.00
15	9.32	15	7.50	19	10.68	16	11.00

Sj 4T-2. City of South Bend. On east curb line of Lombardy Drive, 1 block south of Sample St. Measurements made by John J. Micinski. Measurement discontinued. Records available: 1945-50.

Jan. 3	8.31	Mar. 15	7.50	May 23	6.96	Aug. 15	7.69
10	8.32	22	7.45	30	6.80	22	8.04
17	8.10	28	6.65	June 6	6.26	29	8.03
24	8.02	Apr. 4	6.00	14	6.00	Sept. 5	8.25
31	7.92	11	5.80	21	6.44	12	8.28
Feb. 7	9.09	18	6.07	July 11	6.64	19	8.44
14	7.85	25	5.89	19	6.81	26	8.42
21	8.08	May 2	6.00	25	6.94	Oct. 3	8.52
28	8.05	10	6.45	Aug. 1	7.18	10	8.47
Mar. 7	7.63	18	6.66	8	7.25		

Sj 10-2. City Dairy Co. 1225 South Main St., South Bend. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 37 N., R. 2 E. Records available: 1946-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.20	38.94	38.65	.....	37.09	36.02	34.97	34.29	34.42	34.89	35.28	35.72
2	39.19	38.93	e38.64	.....	37.04	.....	34.91	34.28	34.44	34.90	35.30	35.71
3	39.18	38.93	.....	.....	36.99	.....	34.87	34.27	34.45	34.92	35.31	35.73
4	h39.18	38.92	38.63	.....	36.94	.....	34.83	34.26	34.47	34.93	35.32	35.75
5	39.18	38.91	38.62	.....	.....	.....	34.79	34.25	34.49	.....	35.33	35.77
6	39.18	38.89	38.61	h38.06	.....	.....	34.76	34.23	34.51	34.96	e35.34	35.78
7	39.18	38.88	38.60	.....	36.82	.....	e34.23	34.52	34.97	e35.36	35.78	
8	39.18	38.86	38.58	.....	36.79	h35.82	.....	h34.24	34.53	34.98	35.37	e35.80
9	39.18	38.85	38.57	.....	36.73	35.80	h34.65	34.24	34.54	34.99	35.40	e35.82

Sj 10-2--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
10	39.17	38.84	38.56	.....	36.69	35.77	34.63	34.23	34.55	35.01	35.42	e35.84
11	39.16	38.83	38.55	.....	36.66	35.77	34.60	34.23	34.57	35.02	35.44	e35.86
12	39.15	38.82	38.54	.....	36.62	35.73	34.57	34.23	34.59	35.04	35.46	e35.87
13	39.15	38.81	38.52	h37.81	36.58	35.69	34.54	34.23	34.60	35.04	35.46	35.88
14	39.14	e38.80	38.50	.....	36.54	35.66	34.53	34.22	34.63	35.05	35.48	35.90
15	39.13	h38.80	38.48	.....	36.51	35.63	34.51	e34.22	34.64	35.07	35.48	35.92
16	39.11	38.79	38.46	.....	36.47	35.60	34.48	34.23	34.65	35.09	35.49	35.95
17	39.09	38.78	38.44	.....	36.44	35.57	34.47	34.24	34.68	35.10	35.51	35.96
18	h39.09	38.77	38.43	.....	36.40	35.52	34.47	34.25	34.69	35.12	35.52	35.98
19	39.08	38.76	38.41	.....	36.36	35.47	.....	34.25	34.70	35.13	35.52	e36.00
20	39.07	38.76	38.39	.....	36.35	35.43	.....	34.27	34.72	35.15	35.54	e36.01
21	39.05	38.74	38.37	.....	36.32	35.40	.....	34.28	34.72	35.16	35.57	e36.03
22	39.03	38.72	38.35	37.50	36.28	35.35	.....	34.28	.....	35.16	35.57	e36.04
23	39.02	38.71	38.34	37.45	e36.26	35.31	.....	.....	.....	35.18	35.58	e36.05
24	39.00	38.71	38.32	37.41	e36.23	35.26	h34.37	34.34	.....	35.20	35.59	36.06
25	38.99	38.70	38.30	37.37	h36.21	35.22	34.37	34.34	.....	35.21	e35.60	36.08
26	38.99	38.69	38.28	37.33	36.18	35.17	34.34	34.37	h34.81	35.23	e35.62	36.09
27	38.98	38.67	38.26	37.27	36.15	35.13	34.33	34.37	34.82	35.23	e35.64	36.11
28	38.97	38.66	38.24	37.22	36.12	35.09	34.31	34.38	34.84	35.24	e35.66	36.12
29	38.96	.....	38.22	37.18	36.10	35.05	34.30	34.39	34.86	35.26	e35.67	36.12
30	38.96	.....	e38.22	37.13	36.07	35.00	e34.28	34.41	34.87	35.27	e35.69	36.13
31	38.95	.....	e38.20	.....	36.04	.....	h34.29	.....	.....	35.27	.....	e36.15

e Estimated.

h Tape measurement.

Sj 16-1. Singer Manufacturing Co. Olive St. and Western Ave., South Bend. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 37 N., R. 2 E. Measurements made by personnel of Singer Manufacturing Co. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	28.70	Apr. 17	27.50	July 17	26.80	Oct. 9	27.70
16	29.50	24	28.10	24	27.80	16	27.60
30	28.60	May 1	27.00	31	27.80	23	27.50
Feb. 7	29.64	8	28.60	Aug. 7	28.20	30	28.30
13	29.60	15	27.00	14	27.00	Nov. 6	28.80
20	29.20	22	27.60	21	27.80	13	28.10
27	28.90	29	26.00	28	27.10	20	28.50
Mar. 6	27.50	June 5	27.40	Sept. 4	26.70	27	28.00
13	28.40	12	27.10	11	27.20	Dec. 4	28.30
20	28.40	19	26.90	18	27.20	11	27.70
27	29.00	26	27.00	25	28.20	18	27.50
Apr. 3	28.30	July 3	26.53	Oct. 2	27.70	25	28.50
10	27.20	10	28.96				

Sj 22. Palace Theater. Colfax Ave. and Michigan St., South Bend. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 37 N., R. 2 E. Measurements made by O. A. Lambert. Records available: 1944-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.90	e31.60	28.75	34.70	31.90	.....	e35.80	36.40	38.05	.....	38.35	35.30
2	30.20	33.00	28.85	34.80	32.30	.....	36.30	37.15	37.85	.....	38.35	33.35
3	29.10	33.55	29.20	33.00	32.35	36.75	35.15	35.40	34.40	.....	.....	32.05
4	28.95	32.65	e29.65	32.60	33.00	35.00	33.50	35.70	32.80	.....	37.90	31.15
5	31.00	30.60	.....	33.05	33.50	33.65	32.15	.....	32.65	.....	36.45	31.05
6	30.55	30.15	.....	33.35	34.50	34.35	32.65	35.70	33.65	.....	33.65	31.10
7	31.20	31.30	.....	34.10	34.60	35.50	34.20	35.15	34.35	h34.45	34.40	31.00
8	30.75	30.70	.....	33.90	33.85	36.95	35.70	35.95	35.90	.....	34.95	32.75
9	30.40	31.40	.....	33.15	34.75	38.15	35.85	36.95	36.50	.....	36.10	32.70
10	30.15	31.70	31.40	31.35	35.25	37.40	35.50	38.0	36.85	.....	36.30	33.15
11	31.80	31.75	32.00	.....	35.35	35.65	36.45	37.55	36.60	.....	37.00	31.55
12	32.10	30.30	30.95	.....	35.95	32.50	37.90	36.95	36.00	.....	36.10	32.75
13	31.75	30.05	29.20	.....	36.05	33.60	38.65	35.80	36.20	.....	32.40	34.30
14	31.40	30.50	29.35	33.10	35.65	34.50	37.20	36.70	35.85	h36.90	33.75	35.45
15	30.60	30.25	30.20	33.80	35.25	36.10	36.30	38.05	35.60	.....	34.60	36.20
16	29.65	31.30	30.80	33.10	35.75	36.45	36.30	39.05	35.35	.....	35.20	35.10
17	31.05	32.50	29.70	30.75	36.35	37.25	35.10	38.80	32.85	.....	35.85	33.35
18	30.75	31.35	29.40	31.70	36.65	35.00	33.15	38.40	33.60	.....	36.55	32.25
19	30.95	30.60	29.20	32.45	37.25	31.85	34.65	.....	.....	.....	36.05	31.80
20	31.30	29.60	28.10	33.15	37.50	31.35	33.00	37.60	.....	.....	33.45	33.30

Sj 22--Continued.

Daily 2 a. m. water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	30.80	29.40	28.50	33.20	37.50	32.80	32.40	34.80	33.85	38.10	34.50	34.45
22	31.80	29.90	28.85	33.45	37.30	33.25	33.25	35.25	33.50	36.25	35.50	35.00
23	30.05	30.05	29.80	33.05	35.65	34.85	33.40	36.65	33.40	33.35	35.75	35.15
24	30.55	30.70	30.15	32.45	36.05	36.35	32.50	37.75	31.0	33.75	33.55	34.70
25	31.05	30.75	30.40	33.05	37.80	36.00	33.60	39.10	28.65	34.75	34.05	33.80
26	30.95	29.40	29.70	33.90	37.85	33.40	34.65	39.55	29.90	35.75	34.25	33.25
27	31.45	28.55	29.75	34.40	37.25	34.35	35.00	39.95	32.25	36.90	34.20	32.05
28	31.95	29.45	30.50	34.15	36.00	34.45	35.60	38.05	33.10	37.00	34.55	33.00
29	30.75		31.30	33.80	34.70	35.30	36.80	37.70	32.80	37.20	35.10	33.75
30	29.15		32.20	33.25	34.50	35.25	37.25	36.90	33.15	36.40	35.60	34.15
31	30.10		33.70		34.80		36.25	37.40		37.30		33.80

e Estimated.

h Tape measurement.

Sj 53. St. Mary's College, South Bend. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 38 N., R. 2 E. Measurements made by Thomas Bowland. 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	5.6	5.5	...	4.5	4.2	...	6.7	7.4	7.9	4.9	8.4	...
2	5.7	5.7	...	3.9	4.4	...	6.8	7.4	7.9	4.7	8.4	...
3	6.2	6.3	...	4.1	4.3	...	7.0	7.4	7.8	4.8	8.3	...
4	7.0	6.4	...	3.8	4.6	...	7.1	7.4	7.7	4.9	10.7	7.8
5	6.2	6.4	...	3.5	4.9	...	7.0	7.4	7.7	4.9	5.4	7.8
6	5.6	6.7	...	1.2	5.1	...	7.2	7.4	7.7	5.0	8.5	7.8
7	5.8	6.7	...	1.2	5.1	...	7.2	7.4	7.7	5.0	8.6	7.7
8	5.7	6.5	...	...	5.3	...	7.4	7.4	7.7	5.0	8.4	7.5
9	5.9	6.5	...	...	5.5	...	7.3	7.4	7.8	4.9	8.5	7.7
10	5.8	6.6	...	...	5.5	...	7.4	7.4	7.7	5.0	8.5	7.6
11	5.6	6.5	...	...	5.6	...	7.2	7.5	8.1	5.0	8.6	7.6
12	5.6	6.3	...	1.2	5.7	6.5	7.3	7.4	8.0	5.0	8.5	7.5
13	5.6	6.3	...	1.4	5.8	6.5	7.2	7.4	8.0	5.0	8.6	7.5
14	5.3	6.6	...	1.5	5.7	6.6	7.3	7.5	8.1	5.0	8.7	7.5
15	4.9	...	...	1.7	6.0	6.6	7.2	7.6	8.1	5.3	8.7	7.6
16	5.2	...	...	1.8	6.0	6.8	7.3	7.6	7.9	5.0	8.8	7.6
17	5.3	...	...	1.8	6.1	6.6	7.3	7.7	7.9	5.0	8.7	6.0
18	5.2	...	...	2.0	6.1	6.4	7.2	7.7	8.0	...	8.6	7.0
19	5.5	...	...	5.1	6.3	6.6	7.1	7.7	5.4	...	8.6	9.3
20	5.6	5.7	...	5.1	6.3	6.6	7.0	7.7	7.2	...	8.4	7.8
21	5.5	5.3	...	5.3	6.4	6.7	7.0	7.9	4.1	...	8.2	7.9
22	5.3	...	...	5.4	6.3	6.7	6.9	7.8	4.1	...	8.2	7.7
23	5.3	...	...	5.3	6.5	6.9	6.9	8.0	4.2	5.2	8.1	7.8
24	5.5	...	...	5.3	6.5	6.7	6.9	4.8	4.2	5.2	8.2	8.0
25	5.2	...	6.0	5.0	6.4	6.6	6.9	8.2	7.5	5.4	8.2	7.8
26	4.8	...	5.9	4.2	6.4	6.5	7.0	8.2	7.7	5.2	8.2	...
27	4.5	...	5.8	4.2	6.5	6.5	7.1	7.8	7.5	5.3	8.2	8.2
28	4.5	...	3.8	4.2	6.6	6.6	7.2	7.8	4.6	5.2	...	8.2
29	4.3	...	3.6	4.1	6.8	6.6	7.1	7.9	4.5	5.2	...	8.3
30	5.0	...	3.7	3.9	6.8	6.6	7.4	7.8	4.5	5.4	...	8.2
31	5.4	...	4.1	...	6.8	...	7.3	7.9	...	5.3	...	8.2

Sj 85. New Jersey, Indiana & Illinois Railroad Co. Olive St. and Indiana Ave., South Bend. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 37 N., R. 2 E. Measurements made by Don L. Henry. Records available: 1945-50.

Daily 2 a. m. water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.49	16.07	16.00	14.51	12.07	11.83	11.77	12.55	13.93	14.28	13.77	e13.77
2	16.49	16.04	16.01	14.36	12.02	11.87	11.68	12.58	13.95	14.29	13.77	e13.74
3	16.48	16.01	16.01	14.20	e11.99	11.84	11.64	12.62	13.96	14.30	13.78	13.73
4	16.48	15.99	16.02	14.07	e11.95	11.53	11.56	12.65	13.98	14.31	13.76	13.70
5	16.48	15.98	16.02	13.95	11.90	11.37	11.52	12.69	14.00	14.33	13.76	13.68
6	16.48	15.95	16.01	13.82	11.88	11.29	11.48	12.73	14.02	14.34	13.75	13.66
7	16.48	15.94	15.98	13.66	11.88	11.25	11.45	12.76	14.03	14.30	13.77	13.64
8	16.47	15.93	15.93	13.51	11.86	11.25	11.42	12.80	14.05	14.24	13.75	13.62
9	16.47	15.92	15.87	13.37	11.82	11.32	11.40	12.86	14.07	14.18	13.74	13.61
10	16.46	15.92	15.80	13.22	11.80	10.41	e11.40	12.91	14.09	14.14	13.76	13.60
11	17.45	15.92	15.72	13.10	11.80	11.22	11.43	12.97	14.10	14.10	13.77	13.58
12	17.45	15.92	15.64	13.01	11.79	11.20	11.51	13.03	14.04	14.06	13.77	13.56

Sj 85--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	17.44	15.91	15.58	12.93	11.77	11.21	11.62	13.08	13.99	14.04	13.76	13.54
14	17.44	15.87	15.52	12.85	11.78	11.27	11.75	13.02	13.99	14.01	13.77	13.53
15	17.43	15.85	15.46	12.77	11.76	11.33	11.80	13.05	14.01	13.99	13.75	13.52
16	16.43	15.84	15.42	12.70	11.77	11.37	11.85	13.10	14.05	13.97	13.74	13.51
17	16.41	15.84	15.38	12.63	11.77	11.45	11.91	13.16	14.09	13.94	13.77	13.50
18	16.39	15.85	15.35	12.56	11.79	11.49	11.92	13.23	14.10	13.92	13.79	13.50
19	16.37	15.86	15.33	12.51	11.82	11.51	11.94	13.29	14.11	13.90	13.81	13.49
20	16.35	15.87	15.30	12.47	11.85	11.54	11.96	13.33	14.12	13.88	13.84	13.49
21	16.32	15.89	15.29	12.42	11.89	11.58	12.01	13.46	14.13	13.87	13.88	13.49
22	16.30	15.90	15.27	12.39	11.90	11.62	12.04	13.49	14.14	13.85	13.83	13.47
23	16.27	15.91	15.25	12.35	11.93	11.64	12.08	13.54	14.15	13.85	13.81	13.48
24	16.25	15.93	15.22	12.32	11.92	11.68	12.11	13.60	14.17	13.84	13.81	13.46
25	16.24	15.95	15.21	12.29	11.93	11.72	12.15	13.66	14.20	13.83	13.79	13.48
26	16.22	15.96	15.20	12.27	11.93	11.73	12.18	13.73	14.21	13.83	13.73	13.48
27	16.20	15.98	15.17	12.24	11.90	11.75	12.23	13.80	14.23	13.81	13.75	13.50
28	16.18	15.98	15.10	12.21	11.86	11.78	12.29	13.84	14.24	13.80	13.77	13.47
29	16.16		15.01	12.16	11.83	11.79	12.37	13.87	14.26	13.80	13.78	13.45
30	16.14		14.88	12.11	11.81	11.79	12.44	13.89	14.27	13.79	13.75	13.45
31	16.10		14.70		11.80		12.51	13.91		13.78		13.46

e Estimated.

Sj 89. Ved Morgan. Ironwood Drive and McKinley Rd., South Bend. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 37 N., R. 3 E. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	46.15	Apr. 13	42.92	July 6	41.14	Oct. 5	42.70
12	46.22	20	42.31	13	41.96	12	43.48
19	46.00	27	42.04	20	41.17	19	43.00
26	45.70	May 4	41.41	27	41.56	26	43.27
Feb. 2	46.00	11	41.73	Aug. 3	41.64	Nov. 2	44.20
10	45.25	18	42.07	10	42.09	9	44.07
16	45.37	25	41.70	17	42.67	16	44.14
23	44.79	June 1	41.89	24	43.10	23	44.30
Mar. 2	44.50	8	42.10	31	43.10	30	44.49
9	44.50	15	41.58	Sept. 7	42.66	Dec. 7	44.20
16	44.00	22	40.50	14	43.15	14	44.75
23	43.85	26	40.82	21	43.01	21	44.85
30	43.84	29	41.43	28	42.80	28	44.70
Apr. 6	43.45						

Scott County

Sc 1. Town of Scottsburg. Highland and Thomas Sts. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 3 N., R. 7 E. Records available: 1942-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.15	19.55	17.40	20.20	.....	.....	h22.23	16.70	16.05	16.00	14.45
2	22.10	19.35	17.70	20.65	21.90	.....	h22.60	16.70	16.10	15.95	14.20
3	21.85	19.65	17.80	20.45	21.90	.....	22.60	16.65	16.10	16.10	14.00
4	19.45	19.70	17.85	17.10	22.00	.....	e22.90	16.55	16.15	15.95	13.90
5	20.10	.....	17.85	16.65	21.85	.....	.....	16.60	16.20	16.10	14.00
6	19.90	.....	17.95	18.25	21.80	.....	22.80	16.60	16.20	16.15	13.90
7	19.95	19.20	.....	17.80	21.70	.....	22.85	16.65	16.25	16.20	13.60
8	20.00	19.50	.....	18.15	21.75	.....	22.80	16.50	16.20	16.05	13.75
9	19.70	18.00	.....	18.50	.....	.....	22.75	16.45	16.10	15.35	13.65
10	19.75	17.60	.....	18.40	.....	.....	20.95	16.35	16.15	14.90	13.60
11	20.00	18.70	.....	18.25	.....	.....	18.60	16.35	16.20	14.75	13.65
12	18.50	18.90	.....	18.70	.....	.....	17.85	16.20	16.15	14.70	13.65
13	19.40	18.35	.....	19.05	.....	20.00	17.45	16.00	16.45	14.70	13.80
14	19.55	17.85	.....	19.10	.....	20.05	17.25	15.90	16.30	14.75	13.85
15	19.60	16.50	.....	19.10	.....	19.25	17.15	15.90	.....	14.75	13.75
16	e18.90	16.85	.....	19.20	.....	19.40	17.10	15.95	.....	14.55	13.95
17	18.20	17.10	.....	19.10	.....	19.75	17.05	16.10	.....	14.75	14.00
18	19.15	17.25	.....	19.10	.....	19.60	17.00	16.20	.....	14.65	14.10
19	.....	17.50	.....	19.20	.....	19.50	16.90	16.15	.....	14.55	14.10
20	.....	17.60	.....	19.40	.....	19.55	16.85	16.15	16.40	14.15	14.15
21	.....	17.40	17.35	19.40	.....	19.85	16.85	16.05	16.45	14.30	14.40
22	.....	17.00	18.30	19.50	.....	19.90	16.85	.....	16.50	14.05	14.15

Sc 1--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Sept.	Oct.	Nov.	Dec.
23	.....	17.05	17.20	19.40	.....	20.00	16.85	15.57	16.50	14.10	14.30
24	19.10	16.95	16.90	19.50	.....	20.05	16.90	15.75	16.15	14.35	14.10
25	19.65	17.30	17.15	.....	.....	20.10	16.85	15.75	15.85	14.25	14.35
26	20.05	17.45	18.65	.....	.....	20.00	16.90	15.75	15.80	13.90	14.05
27	19.85	17.50	18.55	.....	.....	19.95	16.90	15.80	15.85	14.30	14.65
28	.....	17.20	17.00	.....	.....	19.95	16.90	15.85	15.75	14.45	14.45
29	.....	.....	19.55	.....	.....	.....	16.85	15.95	15.85	14.50	14.40
30	.....	.....	19.75	.....	.....	.....	17.0	16.00	15.95	14.35	14.55
31	19.65	.....	20.20	.....	.....	.....	17.05	.....	16.00	.....	14.65

e Estimated.

h Tape measurement.

Shelby County

Sh 1. Clarence Milner. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, T. 13 N., R. 6 E. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	9.33	Apr. 9	5.89	July 9	8.66	Oct. 9	9.65
8	7.00	16	6.56	16	8.81	16	9.73
15	5.77	23	7.03	23	8.99	23	9.80
22	5.54	30	7.43	30	9.10	28	9.89
28	4.40	May 7	7.50	Aug. 6	9.26	Nov. 5	9.87
Feb. 5	5.57	14	7.60	13	9.40	12	9.60
12	6.00	21	7.80	20	9.52	19	9.58
19	4.34	28	8.05	27	9.62	29	8.90
26	4.08	June 3	8.19	Sept. 3	9.68	Dec. 3	8.62
Mar. 5	6.01	10	8.28	10	9.73	10	7.42
12	6.62	18	8.45	17	9.76	17	7.64
19	7.02	25	8.38	24	9.57	24	7.98
26	7.22	July 2	8.50	Oct. 1	9.55	31	8.17
Apr. 2	6.35						

Spencer County

Sp 4. Andrew Wetzel. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 5 S., R. 5 W. Records available: 1944-50.

Jan. 7	1.96	Apr. 8	2.28	July 8	5.18	Oct. 7	5.98
14	2.08	15	2.32	15	5.28	14	6.02
21	1.94	22	4.22	22	5.64	21	6.10
28	1.92	29	5.16	29	5.70	28	6.14
Feb. 4	1.88	May 6	5.20	Aug. 5	5.82	Nov. 4	6.14
11	2.22	13	3.16	12	5.88	11	6.20
18	2.24	20	3.10	19	5.92	18	6.14
25	2.26	27	3.09	26	5.92	25	6.06
Mar. 4	2.22	June 3	3.09	Sept. 2	5.92	Dec. 2	6.00
11	2.24	10	3.14	9	5.94	9	5.98
18	2.24	17	3.12	16	5.94	16	5.94
25	2.28	24	3.16	23	5.94	23	5.94
Apr. 1	2.22	July 1	4.16	29	5.94	30	5.88

Sp 5. State of Indiana. Lincoln State Park. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 4 S., R. 5 W. Measurements made by J. P. Kennedy. Records available: 1944-50.

Jan. 4	29.68	Apr. 5	24.27	July 5	29.84	Oct. 4	30.62
11	25.42	12	27.09	12	30.03	11	30.75
18	25.88	19	28.29	19	30.15	18	30.67
25	27.65	26	28.87	26	30.29	25	30.81
Feb. 2	24.33	May 3	28.85	Aug. 2	30.31	Nov. 1	30.76
8	27.19	10	27.55	9	30.38	8	30.64
15	24.46	17	27.64	16	30.50	15	30.72
22	25.18	24	27.87	22	30.62	21	30.73
Mar. 1	27.41	30	28.66	30	30.67	28	28.73
8	28.28	June 7	28.83	Sept. 6	30.67	Dec. 6	30.22
15	26.43	14	29.52	13	30.57	13	30.12
22	27.63	21	29.28	20	30.70	20	30.26
29	25.68	28	29.66	27	30.47	27	30.10

Sp 6. State of Indiana. Lincoln State Park. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 5 S., R. 5 W. Measurements made by J. P. Kennedy. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	23.68	Apr. 5	21.92	July 5	24.30	Oct. 4	25.04
11	23.19	12	21.96	12	25.04	11	25.29
18	22.50	19	22.22	19	25.20	18	25.69
25	22.48	26	22.54	26	26.23	25	25.64
Feb. 2	22.13	May 3	22.64	Aug. 2	26.47	Nov. 1	25.58
8	22.07	10	22.83	9	26.68	8	25.44
15	21.89	17	22.46	16	26.86	15	24.50
22	21.84	24	22.40	22	27.06	21	24.55
Mar. 1	22.00	30	22.49	30	26.99	28	24.53
8	22.16	June 7	22.69	Sept. 6	27.41	Dec. 6	23.30
15	22.02	14	23.13	13	25.52	13	22.99
22	22.12	21	23.59	20	25.42	20	23.03
29	22.08	28	23.80	27	24.84	27	23.15

Sp 7. State of Indiana. Lincoln State Park. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 5 S., R. 5 W. Records available: 1944-50.

Jan. 7	6.76	Apr. 8	2.52	July 8	4.10	Oct. 7	5.98
14	6.53	15	2.52	15	4.42	14	6.00
21	4.93	22	4.14	22	5.70	21	5.90
28	4.86	29	4.74	29	5.74	28	5.93
Feb. 4	4.62	May 6	4.74	Aug. 5	3.80	Nov. 4	5.98
11	3.91	13	1.96	12	5.84	11	5.96
18	3.88	20	1.94	19	5.87	18	5.92
25	3.84	27	1.94	26	5.92	25	5.88
Mar. 4	3.82	June 3	1.94	Sept. 2	5.92	Dec. 2	5.70
11	3.78	10	1.96	9	5.94	9	6.06
18	3.67	17	1.94	16	5.98	16	6.02
25	3.60	24	1.98	23	5.98	23	6.02
Apr. 1	2.66	July 1	2.94	29	5.87	30	6.00

Sp 8. State of Indiana. Lincoln State Park. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 5 S., R. 5 W. Records available: 1944-50.

Jan. 7	5.82	Apr. 8	2.12	July 8	3.50	Oct. 7	3.20
14	4.93	15	2.18	15	3.52	14	3.22
21	3.33	22	2.55	22	2.20	21	3.26
28	3.28	29	2.68	29	2.24	28	3.30
Feb. 4	3.13	May 6	2.68	Aug. 5	2.26	Nov. 4	3.30
11	2.33	13	2.14	12	2.30	11	3.28
18	2.31	20	2.11	19	2.33	18	3.24
25	2.28	27	2.10	26	2.38	25	3.20
Mar. 4	2.27	June 3	2.10	Sept. 2	2.38	Dec. 2	2.94
11	2.24	10	2.11	9	3.17	9	2.92
18	2.22	17	2.11	16	3.20	16	2.90
25	2.18	24	2.12	23	3.20	23	2.90
Apr. 1	2.08	July 1	2.49	29	3.28	30	2.87

Starke County

Sk 2. S. A. Craigmile. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 32 N., R. 2 W. Measurements made by H. E. Stevens. Records available: 1935-50.

Jan. 13	2.34	Apr. 7	2.27	June 30	3.66	Oct. 6	4.85
20	2.35	May 5	3.25	July 7	1.69	13	4.84
27	2.43	12	3.58	28	3.72	Nov. 17	4.89
Feb. 11	2.97	19	3.71	Aug. 4	4.14	Dec. 2	4.59
Mar. 3	2.98	26	3.07	18	4.36	8	4.57
10	2.85	June 2	3.97	Sept. 1	4.51	15	4.31
17	2.38	9	3.55	15	4.53	22	2.39
24	2.88	16	2.29	22	4.79	29	4.39
31	2.75	23	2.26	29	4.87		

Sk 11. David Bergstrom. Groverton. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 34 N., R. 1 W. Records available: 1948-50.

Mar. 24	14.05	June 24	13.82	Aug. 5	14.32	Sept. 16	16.72
Apr. 27	12.68	July 1	13.83	12	14.64	23	15.87
May 26	13.56	8	14.17	19	14.89	30	16.02
June 3	13.72	15	14.41	26	15.16	Oct. 7	16.18
10	13.84	22	13.81	Sept. 2	15.32	14	16.27
17	13.78	29	14.07	9	15.49	21	16.40

Sk 11--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 28	16.53	Nov. 18	16.80	Dec. 9	16.19	Dec. 23	16.22
Nov. 4	16.61	26	16.82	16	16.18	30	16.38
11	16.75	Dec. 2	16.62				

Steuben County

Sb 1. State of Indiana. Pokagon State Park. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 38 N., R. 13 E. Measurements made by R. N. Sprague and M. Cooper. Records available: 1935-50.

Jan. 7	0.24	Apr. 8	+0.96	July 8	0.96	Oct. 7	2.28
14	+ .17	15	+ .81	15	1.29	14	2.23
21	.10	22	+ .58	22	.66	28	2.45
28	+ .42	29	+ .92	29	1.11	21	2.36
Feb. 4	+ .04	May 6	+ .62	Aug. 5	1.45	Nov. 4	2.53
11	+ .10	13	+ .40	12	1.60	11	1.94
18	+ .33	20	+ .06	19	1.90	18	1.89
25	+ .45	27	.02	26	2.24	25	1.47
Mar. 4	+ .46	June 3	+ .26	Sept. 2	1.82	Dec. 2	1.45
11	+ .69	10	+ .08	9	2.12	9	.12
18	+ .56	17	.45	16	2.04	18	.43
25	+ .02	24	.32	23	1.76	23	.66
Apr. 1	+1.01	July 1	.70	30	2.10	30	.90

Sb 2. State of Indiana. Pokagon State Park. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 38 N., R. 13 E., north of Steuben 1. Measurements made by M. Cooper and R. N. Sprague. Records available: 1935-50.

Jan. 7	1.29	Apr. 8	0.30	July 8	3.43	Oct. 7	5.10
14	.80	15	.37	15	3.88	14	5.14
21	.98	22	.59	22	3.14	21	5.18
28	.43	29	.27	29	3.68	28	5.22
Feb. 4	.80	May 6	.52	Aug. 5	4.18	Nov. 4	5.20
11	.80	13	.87	12	4.42	11	4.77
18	.62	20	1.38	19	4.60	18	4.70
25	.59	27	1.69	26	4.91	25	4.09
Mar. 4	.62	June 3	1.34	Sept. 2	4.86	Dec. 2	4.03
11	.38	10	1.34	9	5.06	9	1.44
18	.48	17	2.55	16	5.08	18	1.62
25	.46	24	2.62	23	4.82	23	1.87
Apr. 1	.22	July 1	3.00	30	5.05	30	2.24

Sullivan County

Su 1. William Koenig. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 6 N., R. 8 W. Records available: 1944-50.

Jan. 2	2.90	Mar. 28	1.27	May 15	2.76	Oct. 16	9.00
9	1.50	Apr. 3	2.19	22	4.76	19	9.47
16	1.20	10	3.09	29	5.75	27	8.46
Mar. 2	3.66	17	4.15	Aug. 23	9.79	Nov. 4	10.79
7	3.68	24	4.58	Sept. 22	8.57	25	9.46
13	2.25	May 1	1.76	29	8.40	Dec. 3	10.15
20	2.66	8	3.14	Oct. 9	9.00	11	10.42

Switzerland County

SW 1. Walker Estate. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 2 N., R. 1 W. Records available: 1944-50.

Jan. 7	5.37	Apr. 14	8.72	July 15	16.20	Oct. 6	14.78
14	4.19	24	13.00	22	15.75	13	14.90
21	6.58	28	13.90	28	15.85	20	15.90
28	4.66	May 5	14.55	Aug. 4	16.45	27	14.50
Feb. 3	3.64	12	12.15	11	16.90	Nov. 3	15.40
11	4.26	20	12.74	19	17.00	11	11.40
17	4.16	27	14.22	27	17.20	18	12.30
Mar. 3	8.35	June 3	14.90	Sept. 1	17.50	24	7.80
10	10.64	9	12.90	8	16.60	Dec. 1	11.06
17	11.35	17	14.50	16	14.30	8	5.25
24	9.10	26	11.45	22	13.70	22	11.40
Apr. 1	11.12	30	13.15	29	12.78	29	13.30
8	4.70	July 7	14.90				

Tippecanoe County

Tc 4. City of Lafayette. Lafayette Water Dept. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 23 N., R. 4 W. Canal and Tippecanoe Sts. Records available: 1944-50.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.6	1.0	5.5	0.6	5.3	11.0	11.3	17.2	14.9	12.7	....	11.4
2	8.2	2.6	4.9	2.3	5.2	14.7	11.3	17.6	10.5	13.0	14.5	11.5
3	8.4	3.7	5.5	3.1	5.1	11.4	11.3	13.6	5.1	....	14.3	10.4
4	+1.7	4.5	6.1	2.8	6.1	11.1	10.8	13.6	6.5	....	14.2	4.8
5	+6.7	5.0	6.4	+2.7	6.8	11.1	10.9	17.6	....	....	14.1	1.7
6	+8.2	5.5	6.4	+4.0	7.5	16.0	11.2	13.6	....	....	14.1	.1
7	+8.2	6.1	5.8	+3.7	7.8	17.1	11.0	13.5	....	....	14.5	1.1
8	+6.9	6.3	5.9	....	8.1	17.2	10.9	17.8	11.2	....	14.6	1.6
9	+4.6	6.1	5.6	....	8.7	17.2	11.2	14.5	11.7	....	14.4	2.8
10	+2.5	3.5	5.9	....	8.9	16.2	11.4	14.3	12.1	....	13.6	2.9
11	+3.8	1.9	6.5	....	9.3	11.9	16.1	14.1	12.1	....	12.4	4.4
12	+5.0	1.9	6.5	....	9.6	10.9	12.6	14.0	12.6	....	12.0	6.2
13	+5.0	1.9	5.6	+6	10.0	10.6	16.6	13.5	12.9	....	12.2	7.4
14	+5.1	+6	5.1	.8	10.0	15.2	16.8	13.4	13.1	....	12.8	7.5
15	+5.2	+3.9	5.8	2.1	10.2	10.6	12.9	13.9	....	....	13.0	8.2
16	+5.3	+5.4	6.4	3.0	14.2	10.0	12.8	14.1	....	16.9	13.5	8.8
17	+5.7	+6.1	6.5	3.6	10.8	13.9	12.7	18.3	....	13.2	17.4	9.3
18	+5.1	+5.5	5.7	4.6	11.2	9.1	12.7	18.3	17.5	13.5	13.6	9.9
19	+3.6	+3.8	3.7	5.4	11.3	8.9	12.3	18.4	17.3	13.7	13.3	10.4
20	+1.6	+2.1	3.5	5.8	15.6	8.4	11.6	14.0	13.9	13.9	13.1	10.7
21	.5	.6	4.7	5.8	11.6	9.1	11.0	13.8	13.8	13.9	10.3	....
22	2.6	2.1	5.0	6.1	11.5	10.1	11.1	14.0	11.9	13.7	6.8	11.0
23	3.1	3.0	4.5	5.1	11.6	9.9	11.3	13.9	10.0	13.6	5.7	11.0
24	3.8	3.8	4.5	3.0	11.9	11.4	11.4	18.3	9.7	....	6.1	11.0
25	1.2	4.9	5.3	2.9	11.8	12.9	15.6	18.5	10.0	e18.1	7.9	11.2
26	+1.5	5.0	5.7	1.2	12.2	10.5	12.3	18.6	11.0	14.2	9.1	11.2
27	+3.9	5.8	6.0	2.1	11.4	10.3	12.6	14.7	11.6	14.2	9.7	10.9
28	+4.5	6.1	2.2	3.6	11.3	10.7	16.7	14.5	12.1	14.1	10.5	11.2
29	+4.5		+4	4.7	11.3	10.7	13.0	18.6	12.4	14.1	11.9	....
30	+3.4		+1.2	5.1	11.9	11.1	13.1	18.5	12.7	14.0	11.0	....
31	+1.1		+6		11.7		13.1	18.7		14.5		....

e Estimated.

Tc 5. Fairfield Manufacturing Co. Earle Ave. and Kossuth St., Lafayette. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 23 N., R. 4 W. Measurements made by C. C. Crook and R. E. Hellwig. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	87.92	Apr. 3	88.12	July 3	88.02	Oct. 9	87.84
9	88.12	10	87.86	10	88.12	16	88.37
16	88.77	17	88.05	17	87.89	23	88.22
23	88.15	24	88.09	24	88.04	30	88.05
30	88.55	May 1	88.14	31	87.88	Nov. 6	88.07
Feb. 6	87.90	8	88.62	Aug. 21	87.98	13	88.25
13	88.13	15	88.10	28	88.06	20	88.01
20	88.57	22	87.95	Sept. 5	88.27	27	88.02
27	88.32	29	87.97	11	88.01	Dec. 4	88.29
Mar. 6	88.32	June 5	88.19	18	88.07	11	87.95
13	88.29	12	88.30	25	88.08	18	88.38
20	87.96	19	87.97	Oct. 2	88.10	26	88.05
27	87.86	26	88.08				

Tc 7. State of Indiana. Purdue University. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 23 N., R. 5 W. Records available: 1945-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	164.62	162.85	161.37	160.45	159.92	159.93	160.31	160.36	160.73	161.12	161.37	161.87
2	164.55	....	161.49	160.64	159.84	159.89	160.16	160.40	160.84	161.12	161.43	161.57
3	164.33	162.81	161.39	160.47	159.75	159.81	160.24	160.48	160.84	161.12	161.50	161.71
4	164.41	162.68	161.33	160.45	159.76	159.92	160.17	160.48	160.91	161.13	161.41	161.81
5	164.70	162.58	161.17	160.69	159.70	159.88	160.22	160.51	....	161.14	161.48	161.94
6	164.45	162.32	161.20	160.79	159.84	159.93	160.28	160.53	....	161.07	161.43	161.83
7	164.59	162.43	160.99	160.67	159.96	160.00	160.32	160.53	....	161.07	161.60	161.66
8	164.57	162.39	160.87	....	160.04	159.99	160.33	160.48	160.81	161.03	161.43	161.80
9	164.20	....	161.30	....	159.72	159.90	160.30	160.50	160.83	160.97	161.53	161.85
10	164.03	162.18	161.07	....	159.82	160.10	160.28	160.50	160.78	161.06	161.74	161.79

Tc 7--Continued.

Daily 2 a. m. water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	164.49	162.23	160.80	.....	159.91	160.08	160.29	160.55	160.81	161.05	161.79	161.79
12	164.14	162.18	161.04	h160.39	159.80	159.96	160.24	160.59	160.86	161.13	161.77	161.71
13	163.97	161.99	160.93	.....	159.68	160.03	160.14	160.59	160.89	161.23	161.73	161.76
14	164.18	161.87	161.06	.....	159.66	.....	160.33	160.56	160.96	161.07	161.75	161.87
15	.....	161.96	160.97	.....	159.61	160.09	160.29	160.52	.....	161.26	161.61	161.71
16	.....	161.96	160.86	.....	159.75	160.06	160.27	160.58	.....	161.30	161.39	161.89
17	.....	h161.95	160.81	.....	159.74	160.20	160.27	160.61	161.05	161.30	161.76	161.86
18	.....	161.87	160.97	.....	159.78	160.13	160.19	160.57	161.04	161.28	161.66	161.90
19	.....	161.94	161.04	h160.11	159.79	160.00	h160.07	160.57	160.95	161.20	161.50	161.82
20	h163.74	161.90	160.79	160.09	159.78	160.12	160.23	160.67	160.96	161.26	161.43	161.82
21	.....	161.56	160.79	160.04	159.80	160.15	160.38	160.65	160.88	161.24	161.85	.....
22	.....	161.45	160.67	160.05	159.70	160.20	160.36	160.63	160.88	161.20	161.77	161.60
23	.....	161.57	160.73	159.88	159.79	160.09	160.32	160.67	160.90	161.26	161.74	161.69
24	.....	h161.70	160.66	159.84	159.76	160.15	160.28	160.70	161.14	.....	161.90	161.53
25	.....	161.71	160.85	159.70	159.77	160.19	160.39	160.65	161.09	.....	161.81	161.74
26	.....	161.62	160.67	155.95	159.86	160.15	160.32	160.69	161.11	161.42	161.37	161.52
27	h163.33	161.53	160.38	159.94	159.89	160.21	160.35	160.67	161.05	161.24	161.63	161.88
28	163.00	161.20	160.52	160.04	159.80	160.24	160.34	160.67	161.09	161.33	161.78	161.66
29	162.79	.....	160.79	159.93	159.82	160.19	160.33	160.65	161.11	161.41	161.83	.....
30	163.12	.....	160.99	159.81	159.72	160.23	160.34	160.68	161.10	161.42	161.70	.....
31	.....	.....	160.82	.....	159.74	.....	160.33	160.74	.....	161.38	.....	.....

h Tape measurement.

Tc 8. West Lafayette Water Co. West Lafayette Water Works. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 23 N., R. 4 W. Measurement discontinued Dec. 31, 1949. Records available: 1945-49.

Tc 9. Aluminum Co. of America. Lafayette. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 23 N., R. 4 W. Measurements made by M. M. Ross. 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	70.60	73.15	73.20	71.55	71.70	72.05	71.35	72.25	73.35	70.65	71.90	72.90
2	70.35	72.70	73.35	70.85	72.30	73.00	69.85	73.00	71.70	73.05	73.45	72.10
3	72.00	73.95	72.45	72.10	72.40	72.75	69.70	72.65	70.90	73.15	72.40	71.50
4	72.20	71.55	74.15	73.15	72.85	71.30	69.60	73.35	70.40	73.60	73.70	72.80
5	72.90	70.85	70.85	.....	73.10	71.95	72.70	72.30	73.35	73.30	70.55	73.05
6	73.00	71.75	72.25	.....	72.40	72.25	73.55	70.60	72.90	73.45	73.65	72.65
7	72.35	72.60	71.90	.....	72.10	72.90	73.40	73.05	73.35	71.70	74.05	73.50
8	72.10	72.40	72.30	.....	73.10	73.00	73.90	73.20	74.20	70.70	73.90	72.10
9	71.80	72.75	72.85	.....	73.50	72.50	71.35	73.85	72.35	72.60	72.70	75.00
10	72.65	72.00	72.30	.....	73.35	72.60	72.90	73.30	70.75	74.20	75.00	71.75
11	73.35	71.45	71.10	72.45	73.30	70.75	72.90	72.95	72.35	74.05	74.00	73.20
12	72.35	71.10	70.75	74.80	73.00	72.95	73.20	72.60	72.85	74.05	71.65	73.00
13	72.00	72.10	72.20	73.40	70.80	72.80	73.30	70.35	73.40	74.40	73.85	72.65
14	71.80	73.50	72.50	72.65	70.70	73.10	73.20	73.15	73.70	73.35	73.55	73.80
15	71.35	73.55	72.00	71.85	73.10	73.55	71.35	.....	73.55	71.85	74.85	75.15
16	72.30	73.85	72.40	71.15	73.10	73.35	69.55	.....	71.65	73.50	73.20	72.75
17	73.65	74.20	72.10	71.50	73.80	71.45	71.15	.....	70.10	73.95	72.45	71.80
18	71.95	72.40	70.90	72.70	73.10	72.80	73.60	.....	72.85	73.20	71.45	73.05
19	72.30	71.70	70.65	72.35	72.25	71.95	73.50	.....	73.50	73.35	69.75	73.45
20	72.70	72.55	71.55	72.45	71.05	71.95	73.05	.....	74.05	73.50	73.40	73.50
21	71.35	71.65	72.40	73.35	70.70	73.35	72.40	.....	73.35	71.95	73.25	73.45
22	71.15	71.70	71.85	71.75	72.50	73.40	72.15	73.30	73.45	71.55	73.25	73.60
23	72.15	72.55	71.70	70.95	72.65	73.05	70.35	73.55	71.65	72.60	71.50	71.50
24	71.75	73.30	72.15	73.15	73.05	71.10	72.55	73.70	70.30	74.40	73.00	71.30
25	72.45	71.45	71.85	73.15	72.30	69.85	73.05	74.10	73.15	73.40	73.10	71.30
26	73.20	71.25	71.30	73.60	72.95	72.05	74.40	73.60	75.80	75.40	71.60	72.95
27	72.85	73.25	71.45	73.75	70.95	73.35	73.25	71.00	73.95	73.10	72.25	73.00
28	71.30	72.85	71.55	73.35	70.50	73.95	73.30	72.95	73.45	70.85	72.50	73.45
29	71.30		72.25	71.55	70.35	73.50	72.80	73.80	73.60	70.05	73.35	73.35
30	72.20		72.70	70.70	70.45	73.25	69.65	73.90	72.45	70.25	72.40	72.30
31	72.65		72.70		71.45		71.25	73.40		70.25		71.60

Tc 11. State of Indiana. Purdue University. West Lafayette. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 23 N., R. 4 W. Records available: 1948-50.

Tc 11--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	97.12	94.40	.....	92.05	91.30	91.70	92.40	92.65	94.15	93.80	.....	94.55
2	97.07	94.30	.....	92.10	91.25	91.70	92.35	92.70	93.45	93.80	94.10	94.45
3	96.98	94.30	.....	92.00	91.25	91.70	92.35	92.70	93.40	93.85	94.25	94.45
4	96.95	94.20	.....	92.00	91.20	91.75	92.30	92.70	93.35	93.85	94.35	94.45
5	97.02	94.10	.....	92.05	91.20	91.75	92.30	92.75	.....	93.85	94.20	94.50
6	96.90	93.95	.....	92.10	91.25	91.80	92.35	92.75	.....	93.80	94.15	94.55
7	96.90	93.90	.....	92.00	91.30	91.85	92.45	92.75	.....	93.85	94.15	.....
8	96.80	93.85	.....	.....	91.40	91.90	92.45	92.75	93.30	93.60	94.15	.....
9	96.60	93.70	.....	.....	91.30	91.95	92.40	92.80	93.45	93.60	94.40	.....
10	96.45	93.65	.....	.....	91.30	91.95	92.40	92.80	93.35	93.60	94.55	.....
11	96.50	93.65	92.30	.....	91.40	92.00	92.40	92.85	93.30	93.65	94.60	.....
12	96.35	93.60	92.35	.....	91.35	92.05	92.40	92.85	93.30	.....	94.50	.....
13	96.25	93.50	92.30	91.75	91.30	92.05	92.40	92.90	93.35	.....	94.45	h95.74
14	96.20	93.40	92.35	91.70	91.30	92.10	92.45	92.90	e93.50	h93.75	94.55	94.70
15	96.05	93.40	92.30	91.70	91.30	92.15	92.45	92.90	e93.40	.....	94.45	94.55
16	96.05	93.35	92.25	91.65	91.35	92.15	92.45	92.90	.....	93.75	94.35	94.55
17	95.90	93.30	92.25	91.60	91.35	92.20	92.45	92.95	93.50	93.75	94.40	94.55
18	95.75	93.25	92.35	91.55	91.40	92.20	92.50	93.00	93.50	93.80	94.45	94.55
19	95.70	93.20	92.35	91.50	91.45	92.20	92.50	93.00	93.45	93.75	94.40	94.50
20	95.60	93.20	92.25	91.50	91.45	92.20	92.45	93.00	93.45	93.80	94.35	94.45
21	95.45	93.05	92.25	91.45	91.50	92.25	92.55	93.00	93.45	93.80	94.50	94.45
22	95.30	92.95	92.20	91.45	91.45	92.25	92.55	93.00	93.40	93.85	94.65	94.45
23	95.15	92.95	92.20	91.35	91.45	92.25	92.55	93.05	93.45	.....	94.70	94.45
24	95.00	92.80	92.15	91.35	91.50	92.30	92.55	93.05	93.55	.....	94.60	94.40
25	94.95	e92.90	92.25	91.25	91.50	92.30	92.55	93.05	93.55	.....	94.60	94.40
26	94.90	.....	92.15	91.35	91.55	92.30	92.55	93.05	93.55	.....	94.45	94.35
27	94.90	.....	92.05	91.35	91.60	92.30	92.60	93.05	93.55	.....	94.45	94.35
28	94.75	.....	94.05	91.40	91.60	92.35	92.60	93.05	93.55	.....	94.45	94.35
29	94.60	.....	92.15	91.35	91.60	92.45	92.60	93.10	93.60	.....	94.45	e94.35
30	94.60	.....	92.25	91.30	91.60	92.40	92.60	93.15	93.60	.....	94.50	.....
31	94.45	.....	92.20	.....	91.60	.....	92.60	94.05	.....	.....	.....	.....

e Estimated.

h Tape measurement.

Tc 12. Curwin Leaming. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 21 N., R. 4 W. Records available:

1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	20.50	Apr. 1	14.51	June 17	16.64	Oct. 14	18.85
14	20.50	8	13.37	24	15.82	21	18.98
21	20.38	15	13.99	July 15	17.04	28	19.12
28	15.90	22	14.40	22	17.10	Nov. 4	19.27
Feb. 4	15.86	29	14.57	Aug. 19	18.13	11	19.39
11	15.70	May 6	15.44	26	18.35	18	19.40
18	14.07	13	15.37	Sept. 2	18.44	25	19.00
Mar. 8	14.10	20	15.67	9	18.57	Dec. 2	18.87
11	15.12	27	16.02	16	18.75	9	18.70
18	15.13	June 3	16.35	30	18.55	17	18.67
25	15.13	10	16.66	Oct. 7	18.76	30	18.82

Tipton County

Tt 1. William B. Richardson. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 22 N., R. 4 E. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	0.59	Apr. 8	0.34	July 8	2.33	Oct. 7	2.91
14	.16	15	.69	15	2.82	14	2.36
21	1.09	22	1.82	22	3.20	21	2.44
28	.20	29	1.89	29	3.41	28	2.78
Feb. 4	1.53	May 6	1.62	Aug. 5	3.79	Nov. 4	2.88
11	.25	13	2.01	12	4.80	11	1.62
18	.65	20	2.06	19	4.81	18	2.49
25	1.64	27	2.32	26	4.88	24	2.69
Mar. 4	1.88	June 3	2.32	Sept. 2	4.88	Dec. 4	.95
11	1.66	10	2.50	9	4.63	16	2.16
18	.89	17	2.34	16	4.59	23	1.51
25	.79	24	2.10	23	1.66	29	2.22
Apr. 1	1.73	July 1	2.16	30	2.59		

Union County

Un 3. Joseph Connell. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 11 N., R. 2 W. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	13.67	Mar. 26	4.70	June 18	7.29	Sept. 17	11.90
9	5.73	Apr. 2	4.82	25	7.51	Oct. 1	11.16
15	4.90	9	4.70	July 2	7.40	8	11.29
22	5.08	16	5.12	9	7.89	16	11.14
29	4.60	23	5.38	16	8.49	22	11.17
Feb. 5	4.88	30	5.15	23	8.70	29	11.19
12	4.63	May 7	4.88	Aug. 6	9.64	Nov. 5	12.60
19	4.76	13	5.48	13	10.14	12	11.03
26	4.42	20	5.63	21	10.59	20	10.90
Mar. 5	5.22	28	5.76	27	11.08	Dec. 17	5.88
12	6.10	June 4	6.19	Sept. 3	11.52	24	5.61
19	4.87	11	6.72	10	11.75	30	5.62

Un 4. Charles R. Swafford. 306 Eaton St., Liberty. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 11 N., R. 1 W. Records available: 1949-50.

Jan. 1	25.32	Apr. 2	21.80	July 2	22.46	Oct. 8	23.54
9	24.70	9	21.40	9	22.74	16	23.64
15	22.17	16	22.06	16	22.92	22	23.54
22	23.82	23	22.08	23	23.09	29	23.75
29	23.39	30	21.05	Aug. 6	23.41	Nov. 5	23.88
Feb. 5	23.37	May 7	22.25	13	23.45	12	23.94
12	21.00	13	21.70	21	23.09	20	23.77
19	22.42	20	22.34	27	23.78	Dec. 3	23.16
26	22.40	28	22.48	Sept. 3	23.77	10	22.70
Mar. 5	21.80	June 4	22.67	10	23.67	17	23.38
12	22.60	11	22.80	17	23.79	24	22.93
19	22.70	18	22.43	Oct. 1	23.51	30	22.80
26	21.83	25	22.28				

Un 5. Union County. Union County Court House Square. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 11 N., R. 2 W., in Liberty. Records available: 1949-50.

Jan. 1	23.34	Apr. 2	19.78	July 2	20.58	Oct. 8	21.80
9	22.78	9	19.55	9	20.85	16	21.80
15	22.10	16	19.55	16	20.87	22	21.99
22	21.63	23	19.61	23	21.10	29	21.40
29	21.18	30	19.85	Aug. 6	21.50	Nov. 5	22.17
Feb. 5	21.09	May 7	19.91	13	21.58	12	22.29
12	20.71	13	19.88	21	21.72	20	22.20
19	20.23	20	20.10	27	21.90	Dec. 3	21.71
26	19.87	28	20.25	Sept. 3	21.88	10	21.34
Mar. 5	19.30	June 4	20.50	10	21.88	17	21.33
12	21.00	11	20.54	17	22.00	24	21.33
19	20.12	18	20.60	Oct. 1	21.82	31	21.44
26	19.85	25	20.50				

Vanderburgh County

Va 1. Flora Buente. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 5 S., R. 11 W. Records available: 1947-50.

Jan. 1	9.06	Apr. 9	1.90	July 9	8.19	Oct. 1	8.30
8	8.20	16	2.77	16	8.32	8	8.30
15	5.38	23	3.56	23	8.68	15	8.32
22	5.64	30	3.82	30	8.43	22	8.39
29	4.18	May 7	4.03	Aug. 6	8.50	29	8.44
Feb. 5	3.50	14	3.20	13	8.57	Nov. 5	8.54
12	3.21	21	4.00	20	8.50	12	8.49
19	2.65	28	4.98	27	8.57	26	7.98
26	2.33	June 4	5.40	Sept. 3	8.22	Dec. 3	7.96
Mar. 5	3.17	11	5.78	10	8.23	17	6.98
12	3.60	18	7.39	17	8.25	24	6.46
19	3.58	25	7.98	25	8.30	31	7.05
26	2.65	July 2	8.00				

Vigo County

Vi 2. Commercial Solvents Corp. Washington Ave. and First St., Terre Haute.
NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 12 N., R. 9 W. Measurements made by personnel of Commercial Solvents Corp. Records available: 1946-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	53.85	44.85	44.65	44.85	42.65	47.15	47.65	50.10	53.70	53.20	54.90	55.10
2	53.40	44.80	44.95	44.60	42.75	47.40	47.50	50.35	53.60	52.80	55.05	55.20
3	53.30	44.90	45.05	44.30	42.95	47.65	47.40	50.55	53.20	52.90	55.15	55.05
4	53.30	45.00	45.10	43.20	43.10	47.30	47.60	50.80	52.65	53.05	55.25	54.60
5	53.00	44.95	45.00	44.15	43.25	47.00	.....	51.00	52.45	53.20	55.35	54.50
6	52.25	45.00	44.95	44.10	43.40	47.30	47.95	51.15	52.40	53.35	55.20	54.35
7	51.40	45.25	45.10	44.05	43.30	47.70	48.20	50.80	52.50	53.55	55.25	54.25
8	50.40	45.60	45.25	43.75	43.20	48.00	48.40	51.00	52.65	53.65	55.40	54.10
9	49.35	45.85	45.45	43.30	43.50	48.30	48.25	51.25	52.85	52.90	55.45	54.05
10	48.60	.....	45.60	42.70	43.90	48.55	47.80	51.25	52.75	53.20	55.50	53.70
11	48.15	.....	45.55	42.45	44.25	48.15	48.10	51.35	52.55	53.35	55.55	53.15
12	47.80	.....	45.45	42.30	44.55	47.75	48.55	51.55	52.75	53.45	55.55	52.95
13	47.50	.....	45.40	42.35	44.80	48.00	48.80	51.40	52.95	53.60	55.35	.....
14	47.35	h45.88	45.50	42.45	44.70	48.30	49.15	51.10	53.20	53.65	55.35	.....
15	46.95	45.90	45.50	42.70	44.50	48.50	49.35	51.40	53.45	53.70	55.45	.....
16	46.50	45.80	45.50	42.70	44.80	48.65	49.05	51.65	53.65	53.50	55.50	.....
17	45.95	45.55	45.50	42.25	45.10	48.80	48.60	52.00	53.55	53.55	55.65	.....
18	45.45	45.20	45.55	42.30	45.45	48.45	48.95	52.25	53.45	53.80	55.80	.....
19	45.15	44.75	45.45	42.40	45.80	47.75	49.25	52.45	53.55	53.95	55.90	h52.85
20	45.15	44.35	45.35	42.55	46.05	47.60	49.40	52.15	53.75	54.10	55.65	53.00
21	45.10	44.05	45.35	42.85	45.75	47.65	49.55	51.95	53.90	54.20	55.65	53.10
22	45.00	43.95	45.30	43.15	45.45	47.70	49.55	52.25	53.70	54.25	55.45	53.15
23	45.00	44.05	45.45	43.05	45.80	47.70	49.35	52.55	53.55	54.10	55.25	53.25
24	45.05	44.05	45.75	43.00	46.10	47.80	49.20	52.80	53.00	54.20	55.15	53.25
25	45.30	44.20	45.85	43.30	46.05	47.60	49.35	53.05	52.45	54.35	.....	53.15
26	45.45	44.15	45.60	43.50	46.50	47.20	49.50	53.25	52.20	54.45	.....	53.05
27	45.55	44.20	45.30	43.55	46.80	47.25	49.60	53.05	52.30	54.55	h54.68	53.15
28	45.50	44.40	45.30	43.55	46.45	47.35	49.75	52.90	52.50	54.65	.....	53.20
29	45.25		45.30	43.50	46.20	47.20	49.90	53.05	52.85	54.80	54.80	53.25
30	45.10		45.20	43.05	46.50	47.40	50.00	53.30	53.00	54.65	54.95	53.35
31	44.90		45.05	e46.90			49.90	53.55		54.75		53.40

e Estimated.

h Tape measurement.

Vi 3. Emma F. Newlan. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 12 N., R. 8 W. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	1.32	Apr. 6	1.30	July 6	1.99	Oct. 5	3.66
12	1.12	13	2.60	13	3.29	12	4.03
19	2.14	20	2.80	20	3.13	19	3.60
26	.94	27	3.00	27	3.75	26	4.95
Feb. 2	2.16	May 4	2.50	Aug. 3	4.03	Nov. 2	4.17
9	1.07	11	2.87	10	4.56	10	2.86
16	1.33	18	3.47	17	4.96	16	3.00
23	1.00	25	3.73	24	5.30	23	1.06
Mar. 2	1.26	June 1	3.90	31	5.69	30	2.75
9	2.60	8	3.10	Sept. 7	4.28	7	1.25
16	1.38	15	2.96	14	4.37	14	2.48
23	2.40	22	1.39	21	3.99	21	3.26
30	1.80	29	2.89	28	3.20	28	3.31

Wabash County

Wb 2. Mrs. Robert S. Gearhart. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 27 N., R. 6 E. Records available: 1945-50.

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
4	1.10	9	2.44	11	2.63	13	8.17
12	2.10	16	2.30	18	4.70	20	8.69
18	2.36	23	2.13	25	5.08	27	9.02
26	1.58	30	2.20	June 1	5.71	Aug. 3	9.57
Feb. 2	2.58	Apr. 6	2.08	8	6.67	10	10.16
9	2.26	13	2.16	14	7.12	17	10.50
16	2.10	20	2.75	22	7.30	24	10.86
23	2.56	27	2.24	29	7.20	31	11.44
Mar. 2	2.62	May 4	2.66	July 6	7.08	Sept. 7	9.88

Wb 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 14	10.02	Oct. 12	9.97	Nov. 9	10.01	Dec. 7	7.10
21	10.19	19	10.25	16	8.90	14	4.88
28	9.71	26	10.17	23	9.30	21	4.88
Oct. 5	9.77	Nov. 2	10.01	30	8.20	28	5.13

Warren County

Wn 1. Town of Williamsport. Market and Main Sts. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 12 N., R. 8 W. Records available: 1944-50.

Jan. 7	6.42	Apr. 9	6.52	July 8	8.85	Oct. 7	9.95
14	6.10	15	7.28	15	10.76	14	8.95
21	6.82	22	8.27	22	8.80	21	10.25
28	6.39	29	7.28	29	10.45	28	11.25
Feb. 4	7.28	May 6	8.27	Aug. 5	10.76	Nov. 4	13.19
11	7.20	13	8.95	11	14.95	11	11.65
18	6.45	20	10.38	18	14.63	18	11.75
25	6.55	27	10.75	26	15.06	25	7.95
Mar. 4	6.86	June 3	12.85	Sept. 2	12.75	Dec. 2	8.70
11	7.43	10	13.78	9	12.69	9	6.87
18	7.33	17	12.89	16	14.20	16	8.06
25	7.88	24	9.76	23	8.06	23	9.06
Apr. 1	6.60	July 1	8.25	30	9.19	30	10.42

Warrick County

Wk 1. Sunlight Stripper Co. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 5 S., R. 8 W. Measurements made by Marvin Blackford. Records available: 1936-45, 1947-50.

Jan. 2	13.76	Apr. 2	11.60	July 3	15.39	Oct. 2	13.45
9	14.23	10	15.70	10	15.32	9	13.43
16	12.92	17	15.69	17	14.91	16	13.49
23	14.85	24	15.52	24	14.52	23	13.27
30	14.73	May 1	15.44	31	14.44	30	13.25
Feb. 6	14.89	8	15.46	Aug. 7	14.42	Nov. 6	13.17
14	11.58	15	15.53	14	13.80	13	13.17
20	15.10	22	15.47	21	13.83	20	11.70
27	15.74	29	15.38	28	13.90	27	13.23
Mar. 6	15.65	June 5	15.41	Sept. 4	14.15	Dec. 11	13.19
13	15.30	12	15.53	11	13.70	18	13.16
20	15.30	19	15.40	18	13.55	26	12.95
27	11.32	26	15.31	25	13.46		

Wk 2. State of Indiana. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 5 S., R. 8 W. Scales Lake State Forest. Measurements made by Marvin Blackford. Records available: 1944-50.

Jan. 2	3.56	Apr. 10	2.70	July 3	5.23	Oct. 2	6.58
9	2.06	17	3.32	10	5.90	9	7.04
16	1.97	24	3.62	17	6.20	16	7.36
23	2.54	May 1	3.38	24	7.14	23	7.96
30	2.27	8	3.44	31	6.85	30	8.60
Feb. 6	2.39	15	2.58	Aug. 7	6.78	Nov. 6	8.92
14	1.81	22	1.80	14	7.95	13	9.04
20	2.58	29	2.39	28	8.75	20	4.78
27	2.67	June 5	2.98	Sept. 4	7.43	27	2.66
Mar. 6	2.99	12	3.50	11	6.08	Dec. 11	2.35
13	1.90	19	4.30	18	5.65	18	2.82
20	2.40	26	4.59	25	6.04	26	3.11
Apr. 2	1.70						

Wayne County

We 1. C. E. Rodenberg. Pershing. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 16 N., R. 12 E. Records available: 1945-50.

Jan. 3	31.36	Jan. 30	27.34	Feb. 27	24.60	Mar. 27	25.67
9	30.80	Feb. 6	26.70	Mar. 7	24.84	Apr. 10	25.60
16	30.02	13	26.52	14	25.13	17	25.49
23	28.17	21	24.62	20	25.38	24	25.63

We 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 2	25.97	June 26	27.74	Sept. 11	29.72	Nov. 7	30.36
8	26.20	July 3	27.90	19	29.60	15	30.42
15	26.40	31	28.78	25	29.10	20	30.35
22	26.65	Aug. 7	28.90	Oct. 3	29.90	27	29.98
June 6	27.20	14	29.10	9	29.98	Dec. 4	29.73
12	27.40	28	29.45	16	29.09	11	29.27
20	27.58	Sept. 4	29.59	30	30.24	25	28.50

We 2. Lewis W. Hormel. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 14 N., R. 1 W. Records available:

1946-50.

Jan. 2	3.54	Apr. 3	6.88	July 3	13.03	Oct. 2	14.68
9	3.63	10	6.42	10	13.07	9	14.61
16	2.76	17	8.64	17	13.41	16	14.55
23	5.49	24	10.40	24	13.99	23	14.38
30	4.31	May 1	10.79	31	13.67	30	14.42
Feb. 6	6.32	8	10.48	Aug. 7	14.18	Nov. 6	14.51
13	2.06	15	11.04	14	14.21	13	14.43
20	5.25	22	11.64	21	14.62	20	13.58
27	6.62	29	12.12	28	14.64	27	13.88
Mar. 6	9.11	June 5	12.56	Sept. 4	14.69	Dec. 4	12.58
13	10.29	12	12.86	11	15.10	11	10.96
21	10.06	19	12.88	18	15.49	18	10.03
27	5.69	26	12.87	25	15.01	25	11.20

We 3. State Hospital for Insane. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T. 14 N., R. 1 W. Between pump-houses, Richmond. Measurements made by O. A. Ried. Measurement discontinued Nov. 11, 1950. Records available: 1949-50.

Jan. 7	28.90	Mar. 3	15.50	May 5	15.10	July 22	20.70
13	27.20	17	15.50	12	16.10	28	22.00
20	26.90	24	15.50	June 1	16.70	Aug. 5	23.60
27	21.70	31	15.45	24	17.30	11	24.50
Feb. 3	19.70	Apr. 7	15.20	30	19.70	19	25.25
10	19.20	14	15.20	July 7	20.50	Sept. 2	26.30
17	19.18	21	15.00	15	21.28	Nov. 11	31.50
24	17.20	28	15.20				

White County

Wt 1. Town of Monon. Municipal Building. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 28 N., R. 4 W.

Measurements made by John M. Winkley. Records available: 1935-36, 1941-50.

Jan. 2	11.16	Apr. 3	12.88	July 3	13.38	Oct. 2	16.70
9	10.58	10	12.17	10	13.24	9	15.47
16	10.41	17	11.17	17	14.66	16	13.58
23	11.06	24	10.07	24	13.87	23	15.04
30	10.59	May 1	10.41	31	14.30	30	14.33
Feb. 6	10.76	8	11.07	Aug. 7	15.17	Nov. 6	14.93
13	10.50	15	11.67	14	15.26	13	14.52
20	10.62	22	12.55	21	14.54	20	14.77
27	10.58	29	12.24	28	16.07	27	15.66
Mar. 6	11.04	June 5	12.82	Sept. 4	16.32	Dec. 4	14.28
13	11.68	12	13.29	11	16.60	11	13.25
20	10.73	19	12.38	18	16.09	18	14.61
27	11.26	26	12.58	25	15.28	26	14.27

Wt 3. Archie Compton. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 26 N., R. 4 W. Records available:

1948-50.

Mar. 31	31.92	July 1	31.60	Sept. 4	31.52	Nov. 11	31.85
Apr. 26	31.63	8	31.70	9	31.44	19	31.56
May 24	31.78	15	31.60	23	31.31	26	31.15
June 1	31.85	22	31.74	30	31.65	Dec. 2	31.29
3	31.53	30	31.38	Oct. 7	31.40	9	31.50
10	31.50	Aug. 13	31.55	14	31.35	17	31.53
18	31.30	19	31.51	21	31.38	23	31.74
25	31.56	26	31.60	29	31.61	30	31.76

MAINE

By Marvin A. Pistrang

Scope of Water-Level Program

The observation-well program in Maine was continued in 1950. Measurements of water levels were made in three wells in the southern part of the State (Amherst H 1, Cornish Y 1, and Mercer Sm 1) and in two wells in the northern part of the State (Portage Ar 1 and Sherman Ar 2).

Interpretation of Water-Level Fluctuations

In 1950, water levels in the three southern wells in Maine rose during the relatively mild weather in January while in the two northern wells where precipitation was less and freezing temperatures prevented ground-water recharge, water levels dropped. In February all five wells showed a seasonal decline in water levels. There was a considerable gain in ground water storage during March with rises in the first and latter part of the month due to precipitation and above freezing temperatures. High spring stages were reached in April at all five wells.

The ground-water table declined steadily during the late spring and through September except for periods of heavy rainfall, one in the latter part of August which checked the downward trend temporarily and another early in September which caused a temporary reversal of trend at most of the wells. Water levels reached the lowest levels of the year in October but heavy precipitation in November caused rises which resulted in record highs for this month. Heavy storms early in December recharged the ground-water table but there was a net decrease in ground-water storage during the month.

Precipitation for the State as a whole during 1950 was 43.22 inches, 3.14 inches above normal. The total for 1949 was 35.89 inches, 4.19 inches below normal. At the end of 1950 water levels in the observation wells at Mercer (Sm 1), Portage (Ar 1), Amherst (H 1), and Cornish (Y 1) indicated an increase in ground-water storage during the year, while at Sherman Mills (Ar 2) a small decrease was indicated.

Well Descriptions and Water-Level Measurements

Aroostook County

Ar 1. H. L. Stevens. In Portage Lake on west side of State Highway 11. Lat 46°46'19", long. 68°28'04". Dug unused domestic well in sand, diameter 28 inches, depth 10 feet. Highest water level 0.68 below lsd, Apr. 1, 1945; lowest dry Sept. 21 to Nov. 2, 1947, Feb. 15 to Mar. 7, 1948, Sept. 27 to Oct. 16, 1950. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	1.94	Apr. 3	3.62	June 27	7.13	Sept. 19	9.66
13	2.33	11	1.98	July 3	7.42	Oct. 24	7.95
23	3.67	18	1.32	10	7.29	Nov. 1	7.00
30	3.67	24	1.74	17	7.77	6	2.24
Feb. 6	5.00	May 1	1.78	24	8.15	13	3.19
13	5.75	8	2.67	Aug. 1	8.44	20	3.30
20	6.11	15	3.10	8	8.85	27	.96
Mar. 1	6.68	22	4.00	14	9.43	Dec. 5	1.18
6	7.00	31	5.25	21	9.35	11	1.24
15	4.50	June 5	5.50	28	9.49	20	2.34
21	5.24	13	6.17	Sept. 4	8.50	25	2.65
28	4.5	21	6.70	12	8.95		

Ar 2. C. C. Young. In Sherman on west side of U. S. Highway 2. Lat. 45°55'01", long. 68°20'04". Unused domestic well in sand and rock, diameter 28 to 8 inches, depth 31 feet, upper 12 feet dug in overburden and lower 19 feet drilled in rock. Highest water level 0.66 below lsd, Dec. 10, 1950; lowest 16.00, Nov. 10, 1946. Records available: 1939-50.

Ar 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	2.71	Apr. 9	1.26	July 9	11.46	Oct. 8	13.43
8	2.94	16	.91	16	12.35	15	13.80
15	1.78	23	.73	23	13.08	22	14.16
22	5.65	30	.98	30	13.34	29	13.36
29	5.22	May 7	1.54	Aug. 6	13.71	Nov. 5	6.71
Feb. 5	8.40	14	3.18	13	14.04	12	3.16
12	10.36	21	6.87	20	14.08	21	.74
19	11.53	28	9.82	27	14.21	26	.72
26	12.37	June 4	11.22	Sept. 3	7.25	Dec. 3	.85
Mar. 5	13.12	11	11.76	10	8.81	10	.66
12	2.84	18	12.26	17	10.24	17	1.08
19	5.63	25	12.73	24	11.54	24	1.80
26	6.65	July 2	12.32	Oct. 1	12.73	31	1.95
Apr. 2	1.86						

Hancock County

H 1. George C. Orcutt. In Amherst on south side of State Highway 9. Lat. 44°49'50", long. 68°22'06". Dug unused domestic well, in overburden, diameter 18 inches, depth 14 feet. Highest water level 2.81 below lsd, Nov. 27, 1950; lowest dry Sept. 10, 17, 1944, Sept. 26 to Oct. 31, 1948, Sept. 11 to Nov. 6, 1949. Records available: 1943-50.

Jan. 8	5.59	Apr. 9	5.48	July 10	9.97	Oct. 8	13.59
15	4.85	16	5.97	16	10.38	15	13.80
22	5.06	23	4.04	23	10.82	22	13.87
29	4.94	30	4.42	30	11.31	29	13.89
Feb. 5	5.68	May 7	4.93	Aug. 6	11.74	Nov. 5	13.95
12	5.70	14	5.68	13	12.21	12	11.81
19	6.24	21	6.24	20	12.64	19	11.32
26	6.54	28	6.88	27	12.80	27	2.81
Mar. 5	7.04	June 4	7.10	Sept. 3	12.77	Dec. 3	3.96
12	6.04	11	7.73	10	12.47	10	3.12
19	6.71	18	8.48	17	12.58	17	4.12
26	5.94	25	9.19	24	12.88	24	4.97
Apr. 2	5.54	July 3	9.66	Oct. 1	13.28	31	5.14

Somerset County

Sm 1. J. Harrison Farrand. On northwest side of Bog Stream Rd., about 2.2 miles north of Mercer. Lat. 44°42'10", long 69°55'12". Dug unused domestic well in sand, diameter 5 feet, depth 14 feet. Highest water level 4.30 below lsd, Mar. 24, 1946; lowest 12.42, Nov. 13, 1949. Records available: 1942-50.

Jan. 1	6.65	Apr. 11	4.75	July 9	7.22	Oct. 8	9.63
8	6.15	16	4.62	17	7.48	15	9.53
15	5.85	23	4.75	22	7.60	22	9.59
21	5.79	30	5.03	30	7.96	29	9.64
28	5.90	May 7	5.37	Aug. 6	8.15	Nov. 5	9.55
Feb. 5	5.91	14	5.76	13	8.52	12	9.26
11	6.03	20	6.04	21	8.54	19	9.18
18	6.13	28	6.40	27	8.78	29	4.87
26	6.17	June 4	6.45	Sept. 3	8.88	Dec. 3	5.24
Mar. 5	6.30	11	6.62	10	9.02	10	4.59
12	5.79	18	7.35	17	9.16	17	5.19
19	5.85	26	7.05	24	9.33	23	5.66
26	5.53	July 2	7.05	Oct. 1	9.50	31	6.07
Apr. 2	5.55						

York County

Y 1. J. P. Small. In Cornish on south side of Main St. Lat. 43°48'22", long. 70°48'25". Dug unused domestic well in sandy overburden, diameter 36 inches, depth 24 feet. Highest water level 8.10 below lsd, May 6, 1945; lowest 18.40, Nov. 14, 1948. Records available: 1943-50.

Jan. 1	13.20	Jan. 22	10.30	Feb. 12	11.30	Mar. 5	13.20
8	13.10	29	10.10	19	11.90	12	11.50
15	10.60	Feb. 5	10.70	26	12.50	19	11.80

Y 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 26	9.20	June 11	12.10	Aug. 20	15.70	Oct. 29	14.45
Apr. 2	8.70	18	12.50	27	15.90	Nov. 5	14.55
9	8.90	25	12.80	Sept. 2	15.80	12	14.80
16	9.20	July 2	12.54	10	15.20	19	15.05
23	8.90	9	13.10	18	14.40	26	13.90
30	9.30	16	13.70	25	14.29	Dec. 3	8.80
May 7	9.80	23	14.30	Oct. 1	14.72	10	8.35
14	10.40	30	14.55	8	15.40	17	9.30
21	11.00	Aug. 6	15.30	15	15.30	24	10.10
28	11.60	13	15.40	22	14.50	31	11.20
June 4	11.90						

MASSACHUSETTS

By H. N. Halberg

Scope of Water-Level Program

The observation-well program in Massachusetts, begun in 1938, was continued in 1950 in cooperation with the State Department of Public Works. Measurements of water levels were made in 45 wells, 3 of which were equipped with recording gages.

Precipitation

Precipitation for the State as a whole was 39.82 inches, 3.34 inches below normal and 4.88 inches greater than in 1949. At Boston, total precipitation during the year was 32.70 inches, 7.44 inches below the normal for the 50-year period 1878-1927, and 1.25 inches greater than in 1949. At Pittsfield, precipitation was 42.37 inches, 1.39 inches above normal, and 0.93 inches less than in 1949. Precipitation for the State as a whole was above normal for the months of January, February, August, November, and December. It was very high in November with 6.14 inches for the State as a whole, 2.48 inches above normal, falling during the month. At West Otis a total of 9.77 inches was recorded during November, the highest monthly total recorded at any Weather Bureau station during the year. The lowest monthly total for the State as a whole was 1.98 inches, 1.38 below normal, during October. The lowest monthly total at any station was 0.69 inches at Plymouth, also in October.

Interpretation of Water-Level Fluctuations

Water levels, which were at low seasonal stages at the end of December 1949, rose appreciably during January with above-normal precipitation and temperature. A slight decline in February and March ended with sharp rises near the end of March or in early April when warm weather, rain, and melting snow raised water levels to their highest stages during the year. In April, water levels began to drop with below normal precipitation and the needs of vegetation. From May through July, with very low rainfall, water levels declined rapidly and seasonally so that by the end of July they were at very low stages although, in general, a little higher than the low levels of July 1949. During August slightly above-normal precipitation afforded some relief from the drought and although water levels declined seasonally, at the end of the month they were in general much higher than at the end of August 1949. In September, drought conditions set in again with only 2.12 inches of rain (57 percent of normal) for the State as a whole during the month and 1.98 inches (59 percent of normal) in October. A heavy offshore storm on September 11 and 12 produced enough precipitation to cause slight rises in water levels but lack of rain resulted in water levels far below average at the end of September throughout much of the State, although in central and southeastern Massachusetts they were higher than in September 1949. In the northeastern part of the State, the average water level reached its lowest September stage, as low as September 1941, and about a foot lower than in September 1949. The dry weather continued in October, relieved by rains in the middle of the month, and followed by dry weather until the first few days of November. Water levels continued to decline in October throughout the State except in the northeast and north-central sections where there were rises. Three storms in November reversed the downward trend of water levels and increased ground-water storage considerably. Water levels rose to stages much higher than at the end of November 1949 and in many places to high stages for this time of year. This rising trend continued in December with relatively heavy precipitation during the first part of the month. As a result there was a net gain in ground-water storage for the year throughout most of the State.

During the year, the water levels in 11 wells reached new low stages and in 11 others they were close to prior minima, mainly the result of low precipitation.

In wells Arlington 174, Cambridge 667, and Cambridge 798 the water levels reached new minimum stages at the end of December and there was a loss in ground-water storage in this area during the year. The level of Fresh Pond is artificially controlled as part of the water-supply system of the city of Cambridge with the nearby glacial deposits utilized to store water to augment the supply in the pond. Water levels in nearby wells are affected by fluctuations of the pond level. In well Lowell 41, at the Cook well field, a new minimum stage was measured on September 2, slightly lower than the previous minimum of record, reflecting heavy pumping. In this immediate area there was a large net loss in storage during the year. In general, there was an increase in ground-water storage throughout the State during the year, reflecting the slight increase in precipitation in 1950 over 1949, and the above-normal precipitation in November and December.

Net change, in feet, in water levels in observation wells in Massachusetts, 1950

Well	Net change	Well	Net change
Arlington 174	-0.45	Springfield 4028	-0.18
Brimfield 12	+2.0	Sterling 1	+3.66
Cambridge 667	-2.21	Wilmington 10	+ .90
Cambridge 798	-1.83	Wilmington 29	+ .18
Chelmsford 68	+ .49	Wilmington 56	- .28
Chelmsford 69	+ .33	Wilmington 58	+1.61
Fall River 67	+1.49	Winchendon 13	+5.09
Great Barrington 1	- .24	Winchester 4	+7.21
Ipswich 1	+1.46	Winchester 14	+ .94
Ipswich 2	+ .46	Winchester 18	+2.20
Leominster 11	+3.46	Woburn 1	- .24
Lowell 14	+1.51	Woburn 4	+ .04
Lowell 41	-8.14	Woburn 17	+1.14
Lowell 43	+1.48	Woburn 19	+ .14
Montague 5	+ .42	Woburn 38	+4.39
Reading 1	+2.55	Woburn 49	+2.26
Reading 3	+ .26		

a Dry Dec. 30, 1949.

As shown by the preceding table there was a net rise in water levels in 25 of the wells and a net drop in 8 of them. Four of the 25 water levels that rose and 4 of the 8 that declined were probably affected by nearby pumping. At the end of the year water levels were, in general, much higher than at the end of 1949, indicating a net increase in ground-water storage for the State.

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

Barnstable County

Falmouth 5. Town of Falmouth. Lat. $41^{\circ}34'49''$, long. $70^{\circ}32'24''$. In East Falmouth, 1 mile east of junction of Davisville Rd. and Waquoit Rd. (State Highway 28). Driven unused well, in glacial drift, diameter $2\frac{1}{2}$ inches, depth 50 feet. Records available: 1950. Highest water level 5.09 Aug. 4, 1950; lowest 5.46 Sept. 2, 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 4	5.09	Aug. 20	5.17	Sept. 2	5.46	Oct. 4	5.30
11	5.23	25	5.29	8	5.39	Nov. 27	5.24
18	5.36	Sept. 1	5.36				

Sandwich 117. Town of Sandwich. Lat. $41^{\circ}45'05''$, long. $70^{\circ}29'49''$. In basement of Wing School, on Water St. (State Highway 130) about 0.5 mile south of junction of Main and Water Sts. Driven unused well in glacial drift, diameter 2 inches, depth 52 feet. Land-surface datum is about 50 feet above mean sea level. Records available: 1950. Highest water level 28.30 July 24, Aug. 4, 1950; lowest 28.75, Nov. 3, 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 24	28.30	Sept. 1	28.52	Oct. 13	28.66	Nov. 24	28.70
28	28.35	8	28.57	20	28.69	Dec. 1	28.52
Aug. 4	28.30	15	28.54	27	28.71	8	28.53
11	28.40	22	28.57	Nov. 3	28.75	15	28.38
18	28.45	29	28.63	10	28.70	29	28.48
25	28.48	Oct. 6	28.68	17	28.72		

Truro 1. Town of Provincetown. Lat. $42^{\circ}02'39''$, long. $70^{\circ}06'20''$. 200 feet north of U. S. Highway 6, about 75 feet southwest of pumping station. Well is about 800 feet from tide water. Driven unused test well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 68 feet. Land-surface datum is about 25 feet above mean sea level. Records available: 1950. Highest water level 10.6, Dec. 13, 1950; lowest 11.6, Sept. 6, 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 30	11.4	Oct. 4	11.4	Nov. 1	11.2	Nov. 29	10.8
Sept. 6	11.6	11	11.2	8	11.0	Dec. 13	10.6
13	11.2	18	11.2	15	11.1	20	10.8
20	11.2	25	11.0	22	10.9	27	10.9
27	11.2						

Berkshire County

Cheshire 1. Adams Fire District. About 0.25 mile southeast of State Highway 8, about 2.25 miles south of Adams. Penetrates glacial drift. Records available: 1947-50. Highest water level 7.20, May 2, 1947; lowest 13.2, Sept. 11, 18, 1949.

Cheshire 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 23	8.6	May 28	8.9	June 25	9.4	July 29	11.0
30	8.6	June 4	8.6	July 2	10.0	Aug. 6	11.2
May 7	8.8	11	9.8	16	10.0	13	11.7
14	8.9	18	9.5	23	9.8	27	11.4
21	8.8						

Great Barrington 1. Mrs. Dora A. Campbell. On northwest corner of North Plains Rd. and Division St. (State Highway 41). Penetrates glacial drift. Records available: 1936-50. Highest water level 15.51, Aug. 1, 1945; lowest 22.89, Sept. 29, 1947.

Jan. 1	21.49	Apr. 10	19.07	July 10	19.96	Oct. 9	22.45
9	21.15	16	19.24	16	20.37	16	22.50
15	20.93	23	19.40	24	20.83	22	22.55
23	20.69	May 1	19.54	Aug. 2	21.00	29	22.62
30	20.51	7	19.67	8	21.33	Nov. 6	22.65
Feb. 5	20.56	14	19.83	16	21.53	13	22.70
12	20.43	22	19.99	24	21.72	20	22.56
21	20.38	29	19.93	Sept. 3	21.67	27	22.00
27	20.25	June 2	19.83	4	21.85	Dec. 3	22.12
Mar. 6	20.38	10	19.99	13	21.90	10	21.89
12	20.05	17	20.14	17	22.00	20	21.46
19	19.69	26	20.12	24	22.24	24	21.40
26	19.67	July 3	20.07	Oct. 2	22.39	31	21.73
Apr. 2	19.21						

Bristol County

Fall River 67. Bristol County Superior courthouse. About 200 feet east of North Main St., about 50 feet north of Walnut St. Dug unused well in glacial drift, diameter $2\frac{1}{2}$ inches, depth 12 feet. Records available: 1948-50. Highest water level, 6.42, June 7, 1948; lowest dry from Oct. 30 to Nov. 26, 1950.

Jan. 3	11.22	Apr. 3	8.57	June 26	9.44	Sept. 18	11.81
9	11.13	10	8.59	July 3	9.59	25	11.35
16	10.44	17	8.68	10	9.70	Oct. 2	11.75
23	10.18	24	8.73	17	9.82	9	11.94
30	9.89	May 1	8.81	24	9.89	16	11.75
Feb. 6	9.44	8	8.39	31	9.48	23	11.95
20	8.83	15	9.01	Aug. 7	10.01	Nov. 27	11.29
27	8.85	22	9.11	14	10.04	Dec. 3	11.89
Mar. 6	9.05	29	9.21	21	10.18	11	10.03
13	9.14	June 5	9.26	28	10.84	18	10.05
20	9.20	12	9.29	Sept. 5	10.57	25	10.12
27	8.76	19	9.33	11	10.76		

Essex County

Ipswich 1. State Department of Conservation. About 60 feet south of south side of Linebrook Rd. Penetrates gravel. Records available: 1947-50. Highest water level 7.98, Mar. 22, 1948; lowest 17.65, Nov. 13, 1950.

Jan. 2	15.01	Apr. 10	11.91	July 12	14.73	Oct. 9	17.34
9	14.46	17	12.27	17	14.98	16	17.40
16	13.70	24	12.60	24	15.12	23	17.46
23	13.35	May 1	12.76	31	15.15	30	17.62
30	12.86	8	12.97	Aug. 7	15.38	Nov. 6	17.45
Feb. 6	12.78	15	13.09	14	15.37	13	17.65
13	12.62	22	13.29	21	15.25	20	17.58
20	12.23	29	13.48	28	15.51	27	16.01
27	12.52	June 5	13.64	Sept. 4	15.87	Dec. 4	14.18
Mar. 6	12.82	12	13.88	11	16.24	11	13.56
13	12.14	20	13.97	18	16.56	18	13.16
20	12.52	26	14.26	25	16.86	26	13.55
27	11.11	July 3	14.55	Oct. 2	17.14		

Ipswich 2. State Department of Conservation. About 18 feet north of north side of Gravelly Brook Rd., about 0.6 mile west of junction with Topsfield-Ipswich Rd. Penetrates gravel. Records available: 1947-50. Highest water level 5.07, Mar. 22, 1948; lowest 11.89, Oct. 16, 23, 30, 1950.

Ipswich 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	9.10	Apr. 10	7.54	July 12	10.30	Oct. 9	11.85
9	8.23	17	8.01	17	10.52	16	11.89
16	7.97	24	8.11	24	10.77	23	11.89
23	8.07	May 1	8.35	31	11.09	30	11.89
30	7.99	8	8.54	Aug. 7	11.23	Nov. 6	11.80
Feb. 6	8.15	15	8.73	14	11.47	13	11.57
13	8.12	22	8.90	21	11.43	20	11.55
20	7.87	29	9.09	28	11.46	27	9.10
27	7.82	June 5	9.09	Sept. 4	11.53	Dec. 4	9.01
Mar. 6	8.50	12	9.36	11	11.67	11	8.14
13	8.08	20	9.62	18	11.72	18	8.29
20	8.33	26	9.81	25	11.85	26	8.57
27	6.62	July 3	10.07	Oct. 2	11.88		

Franklin County

Montague 5. C. A. Kurtyka. On west side of Turners Falls-Montague Rd., about 1.3 miles north of Montague. Penetrates glacial drift. Records available: 1936-50. Highest water level 0.78, Apr. 27, 1944; lowest 6.04, Oct. 9, 1950.

Jan. 9	3.59	Apr. 10	2.68	July 10	4.58	Oct. 9	6.04
16	2.96	17	2.36	17	4.84	17	5.36
23	3.83	24	2.04	24	4.86	23	5.74
30	3.28	May 1	2.13	31	5.22	30	5.95
Feb. 6	3.76	8	2.82	Aug. 7	5.38	Nov. 6	4.82
13	3.32	15	2.96	14	5.60	13	5.16
20	3.73	22	3.16	21	5.12	20	5.08
27	4.04	29	2.78	28	5.40	27	3.11
Mar. 6	4.18	June 5	2.72	Sept. 5	4.69	Dec. 4	3.52
13	2.84	12	3.18	11	5.11	11	2.50
20	2.98	19	3.54	18	5.36	18	3.11
27	2.50	26	3.95	25	5.58	24	3.74
Apr. 3	2.12	July 3	4.34	Oct. 2	5.89		

Hampden County

Brimfield 12. Norman Goodrich. On south side of Palmer-Brimfield Rd. (U. S. Highway 20). Penetrates glacial drift. Records available: 1936-50. Highest water level 4.35, Mar. 30, 1948; lowest dry Oct. 1 to Dec. 3, 1950.

Jan. 29	16.3	Apr. 9	11.02	June 18	12.67	Aug. 27	15.01
Feb. 5	16.05	16	12.04	25	13.02	Sept. 4	15.17
12	15.70	23	12.48	30	13.28	10	15.35
19	15.53	30	12.58	July 9	13.56	17	15.57
26	15.32	May 7	12.55	16	13.76	24	15.73
Mar. 5	15.35	14	12.69	23	14.04	Dec. 10	15.05
12	15.39	21	13.05	30	14.21	17	14.05
19	14.63	27	13.32	Aug. 5	14.39	24	13.76
26	13.76	June 4	13.39	13	14.64	31	14.02
Apr. 2	10.09	11	12.85	20	14.74		

Springfield 4028. Chapman Valve Co. About 150 feet east of Pinevale St. and about 280 feet north of Essex St. Penetrates glacial drift. Records available: 1948-50. Highest water level 8.92, Mar. 6, 1950; lowest 12.41, Nov. 20, 1950.

Jan. 3	11.92	Apr. 3	11.75	July 5	11.57	Oct. 9	11.99
9	11.96	9	11.64	10	11.54	16	12.09
16	11.95	17	11.68	17	11.49	23	12.09
26	11.78	24	11.71	24	11.64	30	12.22
30	11.81	May 1	11.70	31	11.69	Nov. 6	12.27
Feb. 6	11.79	8	10.30	Aug. 7	11.67	13	12.31
13	11.66	15	10.66	14	11.70	20	12.41
20	11.68	22	11.32	Sept. 4	11.57	27	12.35
27	11.78	29	11.41	11	11.55	Dec. 4	12.06
Mar. 6	8.92	June 5	11.38	18	11.41	11	11.98
13	11.91	12	11.31	25	11.78	18	11.98
20	11.99	19	11.30	Oct. 2	11.89	26	11.99
27	11.87	29	11.47				

Middlesex County

Arlington 174. State Department of Public Health. At northwest corner of Margaret and Dorothy Rds. Penetrates coarse gravel and sand. Records available: 1944-50. Highest water level 5.82, Mar. 12, 1945; lowest 14.51, Dec. 29, 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	13.21	Apr. 29	8.70	July 29	9.46	Oct. 28	12.95
Feb. 25	12.08	May 29	8.42	Sept. 2	11.03	Dec. 1	13.81
Mar. 31	9.93	July 1	8.94	30	12.14	29	14.51

Cambridge 667. Cambridge Water Department. On Fresh Pond golf course, 270 feet east of Blanchard Rd., 950 feet south of Concord Ave. Penetrates sand and gravel. Records available: 1944-50. Highest water level 5.71, May 18, 1945; lowest 23.82, Dec. 29, 1950.

Jan. 31	21.16	Apr. 29	5.85	July 29	11.05	Oct. 29	20.32
Feb. 25	18.63	May 29	6.56	Sept. 2	14.74	Dec. 1	22.84
Mar. 31	12.16	July 1	8.31	30	17.77	29	23.82

Cambridge 798. State Department of Public Health. On Fresh Pond golf course, 450 feet south of Concord Ave., 970 feet east of Blanchard Rd. Penetrates sand and gravel. Records available: 1944-50. Highest water level 0.93, May 18, 1945; lowest 18.29, Dec. 29, 1950.

Jan. 31	16.02	Apr. 29	2.11	July 29	6.14	Oct. 28	15.19
Feb. 25	13.55	May 29	1.85	Sept. 2	9.76	Dec. 1	17.59
Mar. 31	7.13	July 1	3.50	30	12.71	29	18.29

Chelmsford 68. Wannalancit Trotting Park. In northeast corner of abandoned trotting track, 2,100 feet east of Middlesex (U. S. Highway 3), 1,300 feet north of intersection of Trotting Park Lane and Boston & Maine Railroad tracks, 0.5 mile north of Vinal Square. Penetrates glacial drift. Records available: 1939-50. Highest water level 5.69, Apr. 23, 1940; lowest 11.07, Sept. 2, 1950.

Jan. 30	8.18	Apr. 29	7.38	July 29	10.52	Oct. 29	10.17
Feb. 25	8.35	May 29	8.53	Sept. 2	11.07	Dec. 2	9.01
Mar. 31	7.32	July 1	9.41	30	10.78	29	8.60

Chelmsford 69. City of Lowell, Washington test well 2. About 2,100 feet southeast of Chelmsford St., 300 feet southwest of Ecuador Rd., 1.7 miles northeast of Chelmsford Center. Penetrates glacial drift. Records available: 1939-50. Highest water level 0.11, Feb. 24, 1943; lowest 6.05, Aug. 23, 1941.

Jan. 30	2.03	Apr. 29	1.61	July 29	3.49	Oct. 29	2.75
Feb. 25	2.15	May 29	2.44	Sept. 2	3.05	Dec. 2	1.82
Mar. 31	.90	July 1	2.99	30	3.17	29	2.24

Lowell 4. U. S. Rubber Co. About 155 feet north of Marginal St., about 1,000 feet east of Pawtucket St. bridge. Penetrates glacial drift. Records available: 1939-50. Highest water level 7.56, May 7, 1940; lowest 12.55, Oct. 31, 1947. Sept. 30, 11.89.

Lowell 14. Rogers Hall School. About 90 feet north of Rogers St., 2,000 feet east of Fort Hill Ave. Penetrates glacial drift. Records available: 1939-50. Highest water level 8.80, Apr. 3, 1948; lowest 22.46, Nov. 7, 1939.

Jan. 30	16.26	Apr. 29	12.52	July 29	15.24	Oct. 29	18.28
Feb. 25	15.28	May 29	12.57	Sept. 2	16.81	Dec. 2	18.27
Mar. 31	13.81	July 1	13.99	30	17.68	29	16.35

Lowell 26. Alfred Cimon well 1. About 55 feet northeast of Pawtucket Blvd. Extension, 4,500 feet west of East Ave. Penetrates glacial drift. Records available: 1939-50. Sept. 30, 13.01. Highest water level 1.97, Apr. 2, May 7, 1940; lowest 13.01, Sept. 30, 1950.

Lowell 33. Thomas Varnum. About 400 feet south and 50 feet west of intersection of Varnum Ave. and West Meadow Rd. Penetrates glacial drift. Records available: 1939-50. Sept. 30, 11.09. Highest water level 6.29, Mar. 1, 1945; lowest 11.33, Oct. 4, 1941.

Lowell 41. City of Lowell, Cook test well 3. About 1,300 feet southwest of intersection of Plain and Manufacturers Sts. Penetrates glacial drift. Records available: 1939-50. Highest water level 4.66, Feb. 15, 1941; lowest 20.95, Sept. 2, 1950.

Jan. 30	13.06	Apr. 29	6.53	July 29	19.52	Oct. 29	18.00
Feb. 25	8.55	May 29	15.61	Sept. 2	20.95	Dec. 2	15.32
Mar. 31	11.67	July 1	17.88	30	20.75	29	17.49

Lowell 43. City of Lowell test well 26. About 230 feet south of Pawtucket Blvd., about 415 feet east of Boulevard Ave., 30 feet southwest of southeast corner of Pawtucket Blvd. pump house. Penetrates sand and gravel. Records available: 1940-50. Highest water level 10.62, June 4, 1940; lowest 25.76, Dec. 30, 1948.

Jan. 30	24.01	Apr. 29	22.97	July 29	24.84	Oct. 29	25.64
Feb. 25	24.80	May 29	23.04	Sept. 2	25.14	Dec. 2	24.43
Mar. 31	23.79	July 1	23.52	30	25.28	29	23.83

Reading 1. William Kelch. About 50 feet northwest of West St., 1,000 feet northwest of intersection of West and Willow Sts. Penetrates glacial drift. Records available: 1939-50. Highest water level 13.02, Apr. 3, 1948; lowest dry Dec. 26, 1941.

Jan. 30	18.78	Apr. 29	16.84	July 29	20.58	Oct. 29	21.99
Feb. 25	17.80	May 29	18.10	Sept. 2	21.39	Dec. 2	20.56
Mar. 31	15.29	July 1	19.54	30	21.82	29	18.51

Reading 3. Merle W. Farr. About 500 feet southeast of intersection of West St. and County Rd. Penetrates gravel. Records available: 1940-50. Highest water level 1.14, Nov. 30, 1944; lowest 5.63, Nov. 1, 1941.

Jan. 30	1.89	Apr. 29	1.84	July 29	4.74	Oct. 29	3.79
Feb. 25	1.84	May 29	2.39	Sept. 2	3.39	Dec. 2	2.10
Mar. 31	1.73	July 1	3.82	30	4.76	29	2.20

Wilmington 10. L. Chisholm. About 75 feet southeast of Hopkins St., 1,100 feet southwest of Shawsheen Ave., 2.1 miles west of Wilmington Center. Penetrates sand. Records available: 1940-50. Highest water level 0.73, Nov. 30, 1944; lowest dry Dec. 13, 1941.

Jan. 30	1.64	Apr. 29	1.31	July 29	6.54	Oct. 29	7.34
Feb. 25	1.90	May 29	3.08	Sept. 2	7.29	Dec. 2	2.95
Mar. 31	1.13	July 1	5.11	30	7.83	29	3.02

Wilmington 29. Oliver R. Surette. About 40 feet east of Andover St., 2,700 feet northeast of intersection of Andover and Woburn Sts., 2.5 miles northeast of Wilmington Center. Penetrates coarse gravelly sand. Records available: 1940-50. Highest water level 8.40, Mar. 28, 1942; lowest 11.70, Sept. 27, 1941.

Jan. 30	10.05	Apr. 29	10.03	July 29	11.33	Oct. 29	11.13
Feb. 25	10.09	May 29	10.37	Sept. 2	11.27	Dec. 2	10.23
Mar. 31	9.54	July 1	10.87	30	11.54	29	10.34

Wilmington 44. Mrs. Anne M. McMahon. About 700 feet northwest of intersection of Federal St., and Middlesex Ave., 0.4 mile northeast of Wilmington Center. Penetrates gravel and sand. Records available: 1940-50. Measurement discontinued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	4.60	3.65	4.05	2.99	3.71	4.65	4.71	6.80	6.95	7.26
2	4.66	e3.73	4.11	3.06	3.60	e4.53	5.76	6.78	6.94	7.28
3	4.69	e3.78	4.17	3.15	3.64	4.41	5.80	6.76	6.93	7.29
4	4.69	23.82	1.20	3.22	3.75	4.39	5.84	6.78	6.89	7.25
5	4.66	....	4.22	3.28	3.86	4.40	5.88	6.80	6.86	7.24
6	4.69	....	4.13	3.31	3.90	4.47	5.91	6.83	6.83	7.25
7	4.09	....	4.11	3.37	3.95	4.56	5.96	6.87	6.81	7.26
8	3.53	....	4.10	3.39	4.01	4.64	6.01	6.91	6.83	7.24
9	3.65	e4.07	2.06	3.49	4.07	4.70	6.05	6.93	6.85	7.24
10	3.84	e3.66	2.46	3.55	4.11	4.75	6.11	6.95	6.90	7.24
11	3.77	3.38	2.78	3.61	4.07	4.79	6.14	6.98	6.93	6.82
12	3.76	3.41	2.99	3.64	4.08	4.86	6.11	7.02	6.94	....
13	3.85	3.50	3.14	3.69	4.12	4.90	6.08	7.06	6.94	....
14	3.73	3.63	3.27	3.69	4.18	4.95	6.11	7.10	6.94	....
15	3.68	3.65	3.36	3.62	4.23	5.00	6.17	7.14	6.94	e5.55
16	3.61	3.49	3.41	3.70	4.27	5.05	6.23	7.18	6.96	5.59
17	3.54	3.38	3.40	3.76	4.37	5.10	6.27	7.22	7.00	5.66
18	3.57	e3.46	3.46	3.83	4.36	5.12	6.28	7.26	7.03	5.72
19	3.58	3.51	3.45	3.91	4.40	5.16	6.33	7.30	7.03	5.75
20	3.67	3.51	3.48	3.95	e4.38	5.19	6.39	7.26	7.06	....
21	3.84	3.57	3.48	3.72	4.37	5.22	6.43	6.97	7.07	....
22	3.93	3.61	3.41	3.38	4.42	5.28	6.46	6.78	7.09	....
23	4.00	3.76	2.36	3.37	4.45	5.31	6.50	6.70	7.11	....
24	4.04	3.85	1.70	3.44	4.49	5.36	6.55	6.68	7.15	....
25	3.68	3.87	2.03	3.63	4.53	5.40	6.55	6.69	7.17	....
26	3.50	3.87	2.31	3.74	4.57	5.45	6.58	6.72	7.20	....
27	3.27	3.91	2.48	3.51	4.61	5.50	6.62	6.76	7.20	....
28	3.25	3.97	2.51	3.51	4.64	5.57	6.65	6.80	7.21	....
29	3.38	....	2.51	3.56	4.68	5.60	6.70	6.84	7.23	....
30	3.44	....	2.66	3.62	4.68	5.66	6.73	6.90	7.26	....
31	3.50	....	2.85	....	4.65	....	6.78	6.94	....	....

e Estimated.

Wilmington 56. D. P. Falkner. East side of Woburn St., about 700 feet north of Lowell St. Penetrates sand and gravel. Records available: 1940-50. Highest water level 2.06, Mar. 1, 1945; lowest 8.11, Aug. 30, 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	3.36	Apr. 29	3.70	July 29	7.35	Oct. 29	6.34
Feb. 25	3.99	May 29	5.24	Sept. 2	7.00	Dec. 2	4.09
Mar. 31	3.16	July 1	6.57	30	7.62	29	4.81

Wilmington 58. Mrs. R. Malatesta. About 3 feet south of Butters Row, 1,600 feet west of Main St. Penetrates bedrock. Records available: 1940-50. Highest water level 2.77, Mar. 23, 1942; lowest 12.65, Nov. 1, 1941.

Jan. 30	6.23	Apr. 29	6.71	July 29	11.11	Oct. 29	11.62
Feb. 25	6.68	May 29	8.00	Sept. 2	12.02	Dec. 2	8.76
Mar. 31	4.22	July 1	9.63	30	12.39	29	7.20

Winchester 4. Town of Winchester test well AA. About 60 feet south of Royal St., 800 feet east of Pond St., 1,000 feet west of Sylvester Ave. Penetrates glacial drift. Records available: 1939-50. Highest water level 6.67, Apr. 3, 1948; lowest dry Dec. 27, 1941.

Jan. 30	13.97	Apr. 29	13.07	July 29	20.79	Oct. 29	21.98
Feb. 25	13.01	May 29	15.07	Sept. 2	21.25	Dec. 2	17.28
Mar. 31	10.55	July 1	17.72	30	21.91	29	13.28

Winchester 14. K. W. B. Cox. About 105 feet north of Forest St., 360 feet northeast of west intersection of Forest St. and Forest Circle. Penetrates glacial drift. Records available: 1940-50. Highest water level 5.62, Mar. 23, 1942; lowest 14.99, Dec. 14, 1941.

Jan. 30	8.20	Apr. 29	10.02	July 29	13.22	Oct. 29	13.75
Feb. 25	8.50	May 29	11.08	Sept. 2	13.74	Dec. 2	9.42
Mar. 31	7.29	July 1	12.13	30	13.92	29	9.44

Winchester 18. Thomas N. Vinson. About 60 feet east of Ridge St., 40 feet north of High St., about 1.9 miles west of Winchester. Penetrates gravel. Records available: 1940-50. Highest water level 1.15, Mar. 25, 1942; lowest dry on various dates.*

Jan. 30	5.06	Apr. 29	8.78	July 1	11.77	Dec. 2	8.54
Feb. 25	7.05	May 29	10.08	29	12.85	29	7.14
Mar. 31	3.48						

Woburn 1. E. P. Fox. About 225 feet south of Green St., 250 feet west of Highland St., 0.5 mile south of Woburn. Penetrates glacial drift. Records available: 1939-50. Highest water level 4.47, Nov. 30, 1944; lowest 9.73, Sept. 29, 1943.

Jan. 30	6.30	Apr. 29	6.90	July 29	8.47	Oct. 29	7.64
Feb. 25	6.60	May 29	7.36	Sept. 2	6.75	Dec. 2	5.97
Mar. 31	5.80	July 1	8.28	30	8.68	29	7.06

Woburn 3. New England Dressed Poultry Co. About 70 feet north of Lord Tannery well field concrete pump pit, 870 feet north of Ashburton Ave., 200 feet east of Boston & Maine Railroad tracks. Penetrates glacial drift. Records available: 1939-50. Sept. 30, 0.98. Highest water level +0.71 Mar. 23, 1942; lowest 2.41, Aug. 16, 1941.

Woburn 4. Consolidated Chemical Industries, Inc. well 10. About 800 feet north of intersection of Merrimac and New Boston Sts., 350 feet west of New Boston St. Penetrates glacial drift. Records available: 1939-50. Highest water level +0.73 Feb. 28, 1948; lowest 2.57, Sept. 26, 1939.

Jan. 30	1.28	Apr. 29	1.33	July 29	2.19	Oct. 29	1.75
Feb. 25	1.18	May 29	1.65	Sept. 2	1.47	Dec. 2	1.24
Mar. 31	.98	July 1	2.47	30	1.96	29	1.45

Woburn 5. Consolidated Chemical Industries, Inc. About 1,000 feet south of intersection of Merrimac and New Boston Sts., 350 feet east of New Boston St. Penetrates glacial drift. Records available: 1939-50. Sept. 30, 0.32. Highest water level +0.22, Dec. 24, 1942; lowest 1.00 Sept. 19, 1939.

Woburn 17. J. D. Coakley. About 70 feet north of north end of Ingalls St., 370 feet north of intersection of Montvale Ave. and Ingalls St., 0.8 mile east of Woburn. Penetrates fine gravelly sand. Records available: 1940-50. Highest water level 4.13, Nov. 30, 1944; lowest dry Dec. 26, 1941.

* Dec. 26, 1941, Nov. 28, 1942, Oct. 30, 1943, Aug. 31, 1944, Sept. 28, Oct. 30, 1945, Aug. 29, Sept. 30, Oct. 31, 1947, Oct. 2, 30, 1948, Aug. 30, Oct. 1, 29, 1949, Sept. 2, 30, Oct. 29, 1950.

Woburn 17--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	4.87	Apr. 29	5.86	July 29	8.77	Oct. 29	8.99
Feb. 25	5.07	May 29	6.84	Sept. 2	9.23	Dec. 2	5.18
Mar. 31	4.85	July 1	7.76	30	9.20	29	5.35

Woburn 19. Tanner's Degreasing Co., Inc. About 230 feet north of Montvale Ave., 300 feet west of Albany St., East Woburn. Penetrates sand, hardpan, gravel. Records available: 1940-50. Highest water level 4.71, Feb. 28, 1948; lowest 14.85, Oct. 18, 1941.

Jan. 30	5.34	Apr. 29	5.42	July 29	8.36	Oct. 29	7.66
Feb. 25	5.45	May 29	5.96	Sept. 2	7.35	Dec. 2	5.71
Mar. 31	4.97	July 1	8.23	30	8.10	29	5.70

Woburn 21. Morris Kaplan. About 150 feet south of Webster St., 1,100 feet west of Kimball Lane, North Woburn. Penetrates sand. Records available: 1940-50. Measurement discontinued. Highest water level 4.97, Apr. 3, 1948; lowest 9.69, Oct. 25, 1941. Jan. 30, 7.25, Feb. 25, 6.80, Mar. 31, 5.75, Apr. 29, 5.77.

Woburn 23. F. H. Bowser. About 490 feet southwest of intersection of Main and Elm Sts., 0.6 mile south of North Woburn. Penetrates sand and gravel. Records available: 1940-50. Highest water level, 0.53, Mar. 1, 1945; lowest 3.10, Sept. 27, 1941. Sept. 30, 2.03.

Woburn 38. Town of Woburn. On Woburn Country Club golf course, about 300 feet northwest of Unit D pump house. Penetrates glacial drift. Records available: 1940-50. Highest water level 7.62, Mar. 2, 1945; lowest 18.15, Dec. 14, 1941.

Jan. 30	11.14	Apr. 29	8.64	July 29	13.41	Oct. 29	17.50
Feb. 25	9.47	May 29	9.34	Sept. 2	15.17	Dec. 2	15.93
Mar. 31	8.27	July 1	11.18	30	17.06	29	10.44

Woburn 49. Leo Pias. About 260 feet south of Locust St., 560 feet east of Cambridge Rd., 1.3 miles west of Woburn. Penetrates gravel. Records available: 1940-50. Highest water level +1.97, Apr. 3, 1948; lowest 4.25, Dec. 5, 1941.

Jan. 30	+0.68	Apr. 29	+1.06	July 29	1.13	Oct. 29	2.06
Feb. 25	+ .82	May 29	+ .69	Sept. 2	1.86	Dec. 2	.55
Mar. 31	+1.25	July 1	.02	30	2.04	27	+ .72

Woburn 53. P. Flowers. About 240 feet north of Kilby St., 550 feet west of Hart St. Penetrates glacial drift. Records available: 1940-50. Sept. 30, 9.86. Highest water level 7.93, Mar. 23, 1942; lowest 10.69, Sept. 27, 1941.

Worcester County

Leominster 11. C. S. Pierce. About 100 feet east of Nashua St., 300 feet west of Boston & Maine Railroad tracks, 0.7 mile south of North Leominster, 1.2 miles east of Leominster. Penetrates glacial drift. Records available: 1939-50. Highest water level 0.81, May 22, 1943; lowest 9.35, Oct. 28-30, 1949.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.33	3.01	3.24	2.13	2.59	3.98	6.43	7.63	8.22	8.20	7.55	3.48
2	6.27	3.02	3.28	2.03	2.35	3.70	6.51	7.66	8.16	8.24	7.56	3.51
3	6.21	3.05	3.39	2.13	2.55	3.81	6.58	7.70	8.12	8.27	7.59	3.49
4	6.16	3.10	3.48	2.08	2.73	3.76	6.65	7.74	8.05	8.29	7.61	3.53
5	6.10	3.20	3.49	2.19	2.87	3.83	6.71	7.77	7.97	8.32	7.60	2.45
6	5.98	3.25	3.36	2.25	2.90	4.03	6.77	7.82	7.90	8.36	7.61	2.56
7	5.69	3.34	3.42	2.40	3.03	4.21	6.83	7.87	7.85	8.38	7.59	2.66
8	4.92	3.45	3.32	2.48	3.24	4.36	6.91	7.91	7.80	8.40	7.51	2.51
9	4.62	3.47	1.43	2.61	3.39	4.50	6.99	7.96	7.76	8.42	7.44	1.61
10	4.59	2.68	1.72	2.72	3.29	4.62	7.07	8.00	7.75	8.43	7.39	1.77
11	4.44	2.55	1.90	2.80	3.23	4.71	7.11	8.04	7.74	8.42	7.37	1.60
12	4.30	2.55	2.07	2.79	3.41	4.83	7.11	8.10	7.74	8.35	7.34	1.76
13	4.24	2.40	1.74	2.90	3.55	4.93	7.07	8.14	7.74	8.24	7.34	1.99
14	4.07	2.47	1.97	2.00	3.71	5.04	6.98	8.19	7.74	8.07	7.34	2.15
15	3.97	2.48	2.07	2.15	3.81	5.14	6.92	8.22	7.74	7.92	7.34	2.30
16	3.84	2.52	2.13	2.32	3.89	5.24	6.98	8.27	7.74	7.78	7.34	2.35
17	3.76	2.60	2.91	2.49	3.96	5.31	6.88	8.31	7.75	7.66	7.34	2.43
18	3.68	2.67	1.90	2.64	4.05	5.36	6.89	8.34	7.79	7.57	7.34	2.47
19	3.60	2.67	2.17	2.63	3.98	5.46	6.97	8.39	7.81	7.50	7.37	2.62
20	3.74	2.70	2.02	2.73	3.69	5.52	7.05	8.39	7.83	7.45	7.38	2.80

Leominster 11--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	3.90	2.89	1.75	1.46	3.77	5.59	7.10	8.39	7.85	7.45	7.36	2.95
22	3.97	2.96	1.70	1.81	3.97	5.72	7.15	8.41	7.89	7.44	7.36	3.03
23	3.98	2.99	.88	2.02	4.09	5.80	7.19	8.43	7.91	7.45	7.29	3.10
24	3.99	3.11	1.19	2.19	4.18	5.90	7.23	8.44	7.96	7.45	7.18	3.08
25	3.82	3.00	1.39	2.39	4.21	6.00	7.26	8.45	8.01	7.45	7.06	2.96
26	3.34	3.08	1.56	2.33	4.24	6.11	7.31	8.47	8.06	7.46	5.77	3.17
27	3.04	3.16	1.70	2.21	4.32	6.19	7.36	8.46	8.08	7.48	4.02	....
28	3.01	3.25	1.43	2.39	4.40	6.24	7.41	8.44	8.12	7.50	3.70	....
29	2.98		1.37	2.43	4.48	6.30	7.46	8.40	8.16	7.51	3.47	....
30	2.87		1.64	2.53	4.20	6.36	7.52	8.34	8.19	7.51	3.47	2.99
31	2.86		1.96		3.94		7.59	8.27		7.53		....

Sterling 1. Nunzio Lanciani. About 45 feet north of north side of Justice Hill Rd., about 0.8 mile northwest of junction with South Nelson Rd. Penetrates till. Records available: 1947-50. Highest water level 2.26, Mar. 24, 1950; lowest 13.01, Oct. 21, 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	6.44	Apr. 7	3.27	July 7	7.15	Oct. 6	11.85
13	3.61	14	3.16	14	6.87	13	11.87
20	3.42	21	2.97	21	7.73	20	10.69
27	2.86	28	3.23	28	8.44	27	10.47
Feb. 3	3.28	May 5	3.35	Aug. 4	9.23	Nov. 3	10.57
10	3.19	12	3.39	11	9.75	10	10.58
17	3.26	19	3.43	18	10.30	17	10.51
24	3.34	26	3.70	25	10.50	24	10.37
Mar. 3	3.40	June 2	3.35	Sept. 1	10.77	Dec. 1	4.26
10	3.04	9	4.28	8	10.81	8	3.13
17	3.27	16	5.16	15	11.01	15	3.31
24	2.26	23	5.18	22	11.24	22	3.36
31	3.11	30	6.35	29	11.51	29	3.53

Winchendon 13. W. B. Hart. About 10 feet east of Forristall Rd., 800 feet south of intersection of Forristall and Crosby Rds., 1.5 miles northeast of Winchendon. Penetrates glacial drift. Records available: 1939-50.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.38	4.06	4.97	3.07	3.97	4.83	6.90	9.71	11.15	11.68	12.21	4.78
2	8.94	4.08	5.14	3.01	3.70	4.00	7.05	9.76	11.17	11.69	12.22	4.84
3	8.55	4.15	5.27	2.87	3.82	3.96	7.15	9.82	11.21	11.71	12.24	4.85
4	8.27	4.22	5.29	2.81	3.36	4.06	7.27	9.89	11.22	11.73	12.26	4.87
5	8.08	4.37	5.29	2.50	4.09	4.28	7.38	9.94	11.25	11.75	12.27	3.70
6	7.91	4.39	e5.37	2.79	4.12	4.53	7.48	9.99	11.30	11.76	12.29	3.62
7	7.51	4.52	e5.45	3.08	4.20	4.77	7.60	10.04	11.30	11.78	12.30	3.72
8	6.06	4.67	e5.52	3.22	4.35	4.98	7.74	10.10	11.34	11.79	12.32	3.77
9	5.33	4.63	e4.79	3.35	4.44	5.18	7.87	10.14	11.36	11.81	12.34	3.40
10	5.25	3.72	e4.52	3.44	4.29	5.33	7.98	10.19	11.38	11.83	12.35	3.36
11	5.18	3.55	e4.48	3.48	4.10	4.91	8.11	10.24	11.38	11.85	12.36	3.37
12	5.17	3.63	e4.41	3.47	4.13	4.81	8.20	10.30	11.40	11.86	12.38	3.35
13	5.14	3.69	e4.33	3.53	4.24	4.95	8.28	10.35	11.41	11.87	12.39	3.50
14	4.95	3.79	e4.31	3.41	4.38	5.13	8.35	10.40	11.43	11.90	12.40	3.62
15	4.75	3.78	.....	3.23	4.45	5.29	8.46	10.45	11.45	11.92	12.41	3.72
16	4.51	3.85	.....	3.38	4.55	5.43	8.55	10.51	11.46	11.94	12.43	3.78
17	4.44	3.99	.....	3.49	4.64	5.54	8.60	10.56	11.48	11.96	12.44	3.86
18	4.32	4.10	.....	3.59	4.72	5.65	8.68	10.61	11.49	11.98	12.44	3.90
19	4.50	4.10	.....	3.71	4.64	5.75	8.77	10.66	11.51	11.99	12.46	4.03
20	4.64	4.20	.....	3.69	4.23	5.86	8.85	10.71	11.52	12.01	12.47	4.17
21	4.79	e4.32	.....	2.50	4.20	5.95	8.92	10.75	11.53	12.02	12.46	4.28
22	4.89	e4.44	.....	2.88	4.39	6.02	9.01	10.80	11.54	12.05	12.47	4.36
23	4.99	e4.55	4.27	3.06	4.52	6.10	9.10	10.83	11.56	12.06	12.48	4.43
24	5.09	e4.66	3.68	3.29	4.65	6.20	9.17	10.87	11.56	12.08	12.49	4.44
25	5.14	4.80	3.61	3.47	4.73	6.30	9.23	10.91	11.58	12.10	12.49	4.46
26	4.84	4.88	3.53	3.60	4.80	6.42	9.30	10.96	11.60	12.11	11.90	4.55
27	4.29	4.92	3.13	3.61	4.89	6.55	9.37	10.98	11.62	12.13	8.98	4.67
28	4.15	4.92	2.66	3.70	5.00	6.62	9.44	11.01	11.64	12.15	6.08	4.79
29	4.05		2.52	3.80	5.11	6.68	9.51	11.05	11.65	12.16	5.00	....
30	3.99		2.68	3.90	4.98	6.78	9.57	11.07	11.67	12.17	4.79	....
31	3.96		2.97		4.81		9.65	11.12		12.19		....

e Estimated.

MICHIGAN

By E. Derragon and J. G. Fulison

Scope of Water-Level Program

The observation-well program in Michigan was continued during 1950 in cooperation with the Geological Survey Division of the State Department of Conservation. This program includes the maintenance of a network of observation wells to provide data on changes in storage of principal ground-water reservoirs. Measurements were made in 260 wells in 1950. Locations of observation wells are shown on figure 8. Continuous records of water levels were obtained for 48 of these wells from recording gages. A study of the Dundee limestone as a waste disposal reservoir for spent brines from chemical plants was begun. Several pumping tests were made on wells penetrating this formation and cross-sections were drawn through the Michigan Basin showing the Dundee limestone and related formations. A paper discussing this subject was presented by Mr. John G. Ferris, at a meeting of the Manufacturing Chemists' Association in New York City on April 17, 1951. This paper entitled "Ground-water aquifers as waste disposal reservoirs: an outline of the basic problems involved" was published in the Journal of that Association in July 1951. A reconnaissance survey of ground-water conditions in the southeastern part of Oakland county was begun during the year at the request of the Detroit Metropolitan Planning Commission and the Michigan Department of Conservation.

Precipitation

The State-wide average of total precipitation in 1950 was 35.01 inches or 4.32 inches above normal. Months of above-normal precipitation included January, February, April, June, July, November and December. Months with precipitation excess of 1 inch or more included January, April and July; with 1.87 inches, 1.56 inches and 1.30 inches above normal, respectively. A prolonged drought period occurred during August and October, with an accumulated deficiency of precipitation of 1.26 inches. Months in which conditions were most favorable for ground-water recharge in the State as a whole were January, February, March, April, and December. The above-normal precipitation in June and July, although large in July, did not result in appreciable net recharge to the water table because the evapotranspiration losses from the reservoir during this period are at or near peak values.

Interpretation of Water-Level Fluctuations

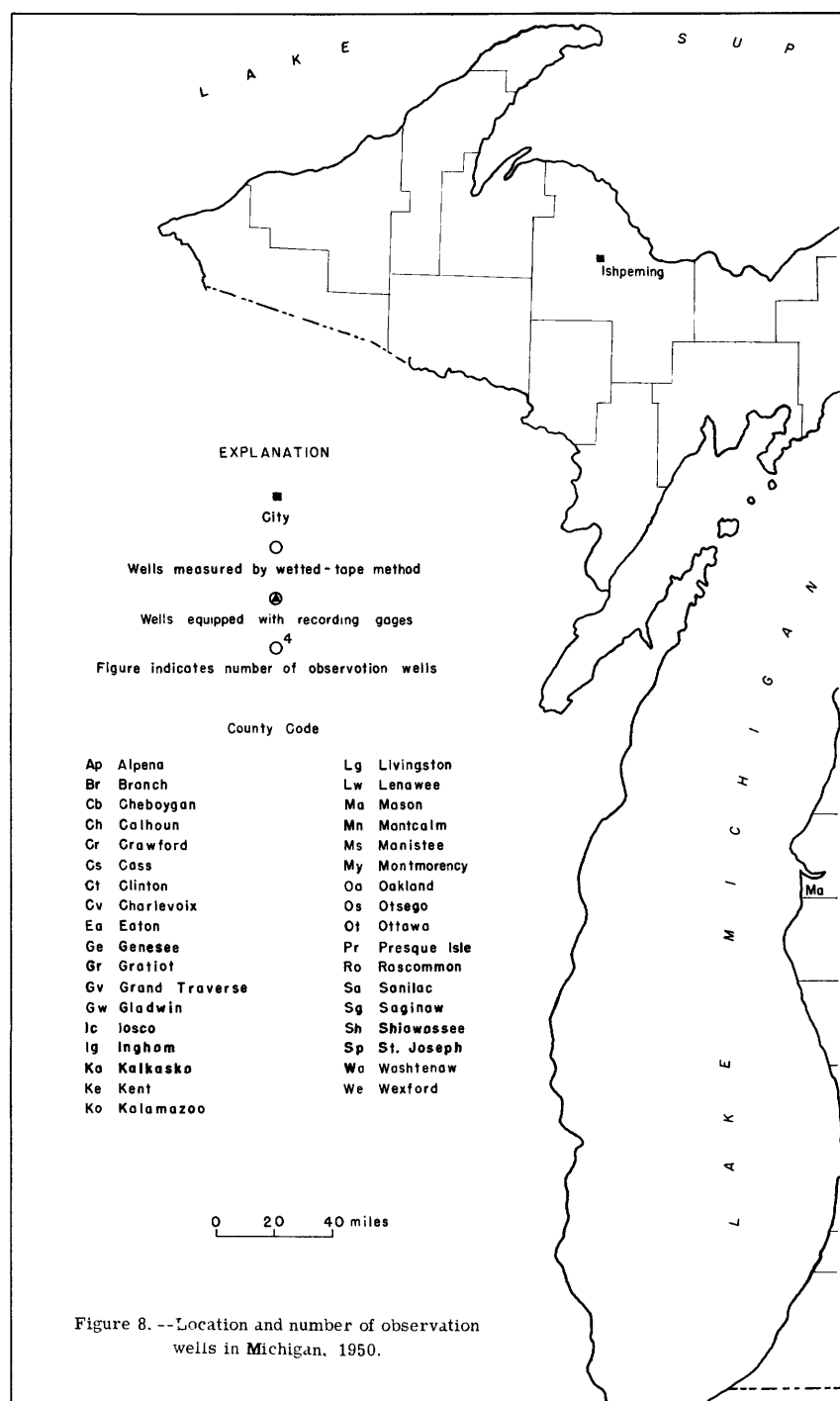
In the northern part of the Southern Peninsula, well CrGr 6 near Grayling, is used as an index of the trends in ground-water level in water-table aquifers found in this area. At the start of 1950 the water level in this well was 6.54 feet below land surface. Rain and above-freezing temperatures on January 6, resulted in recharge to the water table and the stage rose steeply to 6.37 feet. Below-freezing temperatures January 6 through January 9 ended this recharge and the water table declined. Heavy rains coupled with above-normal temperatures on January 13, 14, and 15 recharged the water table to a stage of 6.24 feet by January 16. A gradual decline followed until January 24 when a 5-day period of rains and above-freezing temperatures caused the level to rise to 5.84 feet below land surface on January 27. The remainder of January and all of February showed a gradual decline in water level because recharge was limited by below-freezing temperatures. The low stage for February occurred on the 28th at 6.69 feet below land surface. The water table continued its decline until March 4, when the low for the month of 6.75 feet was reached. Above-freezing temperatures on March 5, 6, 7, and 8 caused thawing and consequent recharge to the water table which reached a high of 6.20 feet on March 9. Cold weather followed and water levels declined until March 21 when the water table stood at a level of 6.56 feet. Moderate to heavy rains during the latter part of the month were accompanied by warm weather and recharged the reservoir to 5.35 feet on March 29. On April 1 nearly an inch of precipitation occurred along with above-freezing temperatures on April 2, 3, 4, and 5. Resultant recharge raised the water level to the high for the year of 4.98 feet below land surface on April 5. Days of alternating warm and cold weather with occasional rains produced sufficient recharge to the water table to maintain the stage between 5.00 and 5.40 feet for the remainder of April. There followed a steady decline in levels throughout May and the month ended with a level of 6.18 feet below land surface. June levels continued to decline until June 16, when about a half-inch of precipitation recharged the reservoir to a peak of 6.50 feet on June 17. Extremely heavy precipitation on June 24 produced a sharp rise of level to 6.21 feet on June 25. However, large evapotranspiration demands of vegetation at this time quickly dissipated this

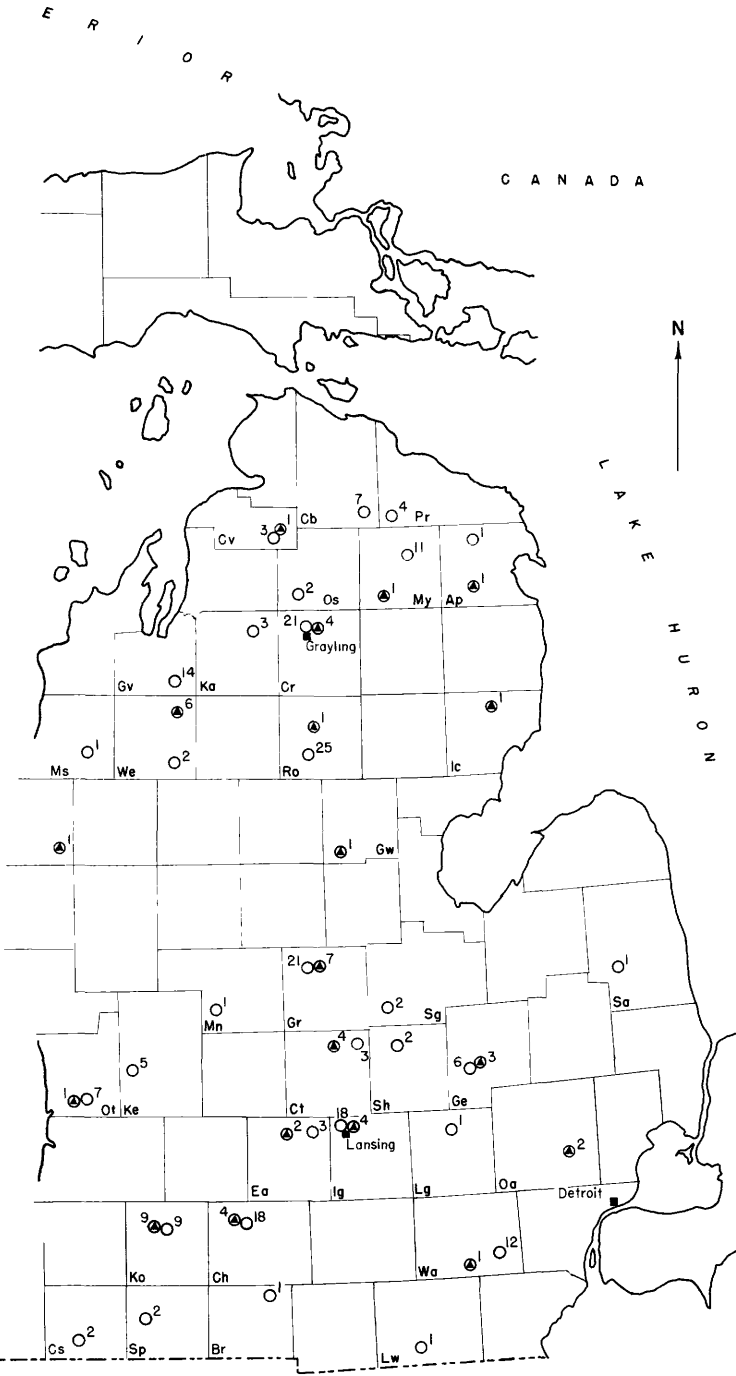
recharge. Although considerable excess precipitation occurred in July, there was no sustained rise in water level because of the heavy evapotranspiration demands. The water table declined to 7.12 feet below land surface on July 31. On this date 1.34 inches of precipitation followed by almost an additional inch of precipitation in the next 3 days, caused a rise in water level to the high for the month of 6.26 feet below land surface on August 3. A dry period ensued for almost 3 weeks and the water table declined to the low for the year of 7.43 feet on August 25. The high evaporation and transpiration demands of this season contributed to the extremely rapid decline of the water surface during this period. Several days of heavy precipitation between August 25 and 31 raised the water table despite the large evapotranspiration requirements. Precipitation on September 11, 13, and 14 raised water levels to 6.47 feet by September 20. The water table then declined into late October, when about 2 inches of rain raised the level to the high for the month of 6.34 feet on the 30th. With the end of the growing season and the reduction of evapotranspiration demands on ground water, levels declined at a smaller rate through November to 6.68 feet below land surface by November 30. Moderate to heavy precipitation during the second week of December and the virtual cessation of evapotranspiration recharged the reservoir to 6.29 feet on December 10. The remainder of December was fairly dry and marked by below-freezing temperatures which limited recharge to the water table and caused a gradual decline in water-level to 6.68 feet below land surface by the end of the year. For the calendar year this well showed a net decline in water level of 0.15 foot.

In the southern part of the Southern peninsula total precipitation in the Battle Creek area during 1950 was 38.86 inches, or 5.38 inches above normal. Months of above-normal precipitation included January through April, June, July, September, and November. April showed the greatest excess precipitation of the year, 3.58 inches above normal. Months of below-normal precipitation included May, August, October and December. Observation wells in the Battle Creek area generally reached the highest levels of the year during March and April, with the greatest number of peak stages occurring in the month of April which correlates with the time of occurrence of greatest excess precipitation, the close of the nongrowing season of minimum evapotranspiration demand, and the close of a period of minimum withdrawal by municipal and industrial wells. The lowest water levels in these observation wells generally occurred during the period August through October reflecting the peak pumping and evapotranspiration demands of the summer season and a period of little recharge to the water table. The net change of ground-water level during 1950 in 18 observation wells in the Battle Creek area ranged from declines as great as 1.38 feet to rises as great as 2.63 feet and the average of the group was a net rise of 0.31 foot. Battle Creek's Gogiac pumping station withdraws ground water for public supply from wells finished in the glacial drift and is used largely as a supplementary source of supply. Withdrawals were made from these wells mainly during the period January through August, with the largest pumpage reported during June, July, and August. Respectively, withdrawals in these months were 3.5 million gallons, 3.6 million gallons, and 3.1 million gallons. Total pumpage from the station during the year was only 16.1 million gallons. The Verona pumping station of the city of Battle Creek is the principal source of municipal water supply. The wells are finished in the Marshall sandstone which has a very high permeability. The average daily withdrawal of ground water from these wells during 1950 ranged from 4.6 million gallons in February to 7.5 million gallons in August and averaged 6.8 million gallons per day for the year.

Total precipitation recorded at Flint during 1950 was 44.74 inches, or 16.17 inches above normal. All months showed above-normal precipitation except May, October, and December which were only slightly below normal. Ground-water levels in the Flint area reached their highest stages of the year within the period February through May, with the greatest number of peak stages occurring in April. The time of occurrence of peak stage corresponds with the close of a winter-spring period of above-normal precipitation, minimum evapotranspiration demand, and minimum pumping demand. Lowest observed water levels in this group of wells occurred in the period July through September with the majority of low stages recorded in August. The time of occurrence of low water level correlates with the close of the summer season of peak pumping demand and high evapotranspiration. Net rises of water levels as shown by these observation wells ranged from 0.15 foot to as much as 1.24 feet with an average net rise for the group of 0.63 foot.

Total precipitation recorded at Alma during 1950 was 35.55 inches or 4.51 inches above normal. Months of above-normal precipitation included January through April, July, September, and December. Months of deficient precipitation were reported as May through June, October, and November. Nearly all municipal and industrial wells in the Alma area are finished in glacial sands and gravels which underlie the area. The average daily withdrawals of ground water in this area ranged from 1.50 million gallons in June to 2.11 million gallons in August and averaged 1.79 million gallons per day for the year. The highest water levels recorded in the Alma area during 1950 occurred during March and April. April marks the close of a period of above-normal precipitation, minimum evapotranspiration, and minimum industrial and municipal water-supply demand. Lowest ground-water stages occurred during August which marks the time of high evapotranspiration demand and peak pumping demand. Net changes in water level in this group of wells ranged from declines as great as 3.05 feet to net rises of as much as 4.41 feet. The average net change for 20 wells was a net rise of 0.22 foot.





Total precipitation in the Lansing area during 1950 was 36.51 inches or 5.12 inches above normal. All months had above-normal precipitation except May, August, October, and December which were deficient in precipitation. The municipal and industrial water supplies in the Lansing area, for the most part, are pumped from wells finished in the Saginaw formation and Parma sandstone. According to available records, average daily municipal withdrawals ranged from 14.7 million gallons in both January and February to 19.0 million gallons in August, and averaged slightly less than 16.6 million gallons per day for the year. Peak water-level stages occurred during the period March through May with the highest levels generally in April. These peak stages reflect the end of a period of minimum municipal and industrial pumping and the close of a winter-spring period of above-normal precipitation and thawing of winter snows. Low stages for the year occurred during the period August through November with the greatest number of lows falling in the month of October. The occurrence of these low stages corresponds generally with the close of the summer season of peak pumping demand, large evapotranspiration loss, and little recharge to the water table. The average net change for 15 observation wells in the Lansing area was a decline of 4.18 feet during 1950.

Total precipitation in the Kalamazoo area during 1950 was 35.69 inches or 3.52 inches above normal. Months of above-normal precipitation were January, February, March, April, June and September. Periods of deficient rainfall occurred in May, July, and August, and for a 3-month period October through December the accumulated total deficiency of precipitation was 2.85 inches. Withdrawals of ground water for municipal supply in Kalamazoo ranged from 8.4 million gallons per day in February to 12.1 million gallons per day in August and averaged 9.5 million gallons per day for the year. Peak water level stages as recorded in observation wells in the Kalamazoo area during 1950 occurred in the period March through June with the greatest number of peaks occurring in May. These peak stages occurred following a period of minimum withdrawal and above-normal precipitation accompanied by recharge from melting snow. Minimum stages for the year occurred within the period August through December with the greatest number of lows occurring in the month of November, which follows the close of the season of high evapotranspiration losses and peak pumping demand.

Total precipitation as recorded at Pontiac during 1950 was 36.61 inches or 7.16 inches above normal. All months except May, July, and August showed above-normal precipitation. Ground water for municipal and industrial supply in the Pontiac area is withdrawn from wells screened in glacial sands and gravels. Records of monthly withdrawal for municipal use by the city of Pontiac, show that average daily withdrawals ranged from 10.8 million gallons in February to 15.8 million gallons in August and averaged 12.3 million gallons per day for the year. Highest recorded ground-water stages, for the limited number of observation wells now available, occurred during the period April through June with the greatest number of peak stages occurring in April. These peak stages correlate with the close of the winter-spring period of above-normal precipitation and melting snows and mark the close of the non-growing season of minimum evaporation, transpiration, and pumping. The net change of stage in two observation wells in this area ranged from a net decline of 5.9 feet to a net rise of 1.8 feet, an average net decline of 2.1 feet for the year.

Total precipitation recorded at Holland during 1950 was 38 inches, or 5.34 inches above normal. All months except May, August, September, and October received above-normal precipitation. The months excepted showed below-normal precipitation. The principal aquifer in the Holland area is composed of permeable sand and gravel deposits which underlie the area. The average daily withdrawal of ground water for municipal use ranged from 1.78 million gallons in December to 3.37 million gallons in August and averaged 2.36 million gallons per day during 1950. Maximum water-level stages in observation wells in the area occurred during the period March through May with the greatest number of high levels occurring in the month of May, which followed a 4-month period of above-normal precipitation and the season of minimum evapotranspiration demand, and minimum withdrawals by the city and industries. Low water levels occurred mainly during the period September through November with the largest number of lows during September. This period of low stage correlates with the close of the summer-fall season of peak withdrawal by municipal and industrial sources, large evapotranspiration demand, and the August through October period of deficient precipitation and little recharge. Net changes in ground-water levels during the year ranged from declines as great as 3.60 feet to net rises of as much as 0.11 foot. The average net decline for 6 observation wells in this area was 1.11 feet during 1950.

Well-Numbering System

The well-numbering system used in the following tabulation of water-level data was adopted by mutual agreement with the Michigan Department of Conservation. In this system a 4-letter prefix is used followed by the well number. The first pair of letters consists of an upper and lower-case letter that indicates the county in which the well is situated. The letters are selected to be suggestive of the county name. The second pair of letters indicates the city or the civil township in which the well is located. Upper-case letters are used for cities, villages, or towns and an upper case followed by a lower-case letter is used for the township designation. Again the letters are chosen to suggest the name involved. The use of civil townships, in preference to the township and range system, was considered desirable because of greater familiarity and more general use of the civil designation by the majority who will use these data

Well Descriptions and Water-Level Measurements

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

Alpena County

Green Township

Ap Gn 1. Julius E. Maxfield. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 30 N., R. 6 E. 90 feet south of north section line and 310 feet east of one-quarter section line. Records available: 1948-50.

Daily 2 a.m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.94	7.41	7.33	6.75	4.89	5.53	6.17	6.61	5.50	3.56	3.86	3.92
2	8.90	7.40	7.34	6.67	4.86	5.56	6.20	6.61	5.40	3.63	3.83	3.85
3	8.83	7.37	7.34	6.60	4.85	5.58	6.21	6.48	5.32	3.68	3.90	3.73
4	8.77	7.36	7.35	6.51	4.84	5.61	6.22	6.27	5.28	3.76	3.95	3.43
5	8.71	7.35	7.36	6.31	4.85	5.63	6.24	6.05	5.28	3.83	3.98	3.17
6	8.65	7.34	7.36	6.15	4.83	5.65	6.26	5.86	5.29	3.91	4.05	3.10
7	8.59	7.32	7.36	6.02	4.86	5.69	6.28	5.70	5.30	3.98	4.11	....
8	8.54	7.32	7.35	5.88	4.93	5.72	6.30	5.59	5.32	4.04	4.20	....
9	8.48	7.31	7.34	5.77	4.96	5.75	6.31	5.50	5.35	4.10	4.23	....
10	8.42	7.30	7.33	5.60	4.95	5.76	6.32	5.45	5.39	4.13	4.29	....
11	8.36	7.30	7.32	5.56	4.98	5.78	6.33	5.42	5.43	....	4.35	....
12	8.32	7.30	7.30	5.51	5.00	5.81	6.34	5.42	5.46	....	4.39	2.27
13	8.26	7.31	7.28	5.46	5.01	5.82	6.34	5.42	5.50	....	4.42	2.28
14	8.16	7.31	7.27	5.42	5.03	5.84	6.35	5.43	5.37	....	4.45	2.34
15	8.11	7.30	7.25	5.40	5.04	5.87	6.36	5.44	3.91	....	4.47	2.37
16	8.05	7.30	7.24	5.37	5.09	5.89	6.38	5.45	3.17	....	4.50	2.40
17	8.00	7.30	7.23	5.34	5.14	5.91	6.39	5.47	3.14	4.28	4.50	2.43
18	7.94	7.31	7.21	5.31	5.17	5.95	6.41	5.51	3.21	4.30	4.52	2.50
19	7.90	7.31	7.21	5.28	5.21	5.96	6.42	5.53	2.80	4.32	4.49	2.56
20	7.87	7.32	7.21	5.24	5.24	5.96	6.44	5.55	2.58	4.36	4.48	2.63
21	7.85	7.32	....	5.22	5.27	5.98	6.45	5.59	2.68	4.42	4.50	2.71
22	7.82	7.32	....	5.21	5.29	6.01	6.47	5.62	2.77	4.47	4.52	2.75
23	7.75	7.32	....	5.18	5.31	6.02	6.49	5.65	2.86	4.53	4.56	2.82
24	7.71	7.32	....	5.17	5.34	6.04	6.50	....	3.03	4.59	4.59	2.80
25	7.66	7.33	7.15	5.15	5.36	6.07	6.51	....	3.14	4.62	4.65	2.87
26	7.57	7.33	7.13	5.09	5.40	6.09	6.52	....	3.23	4.69	4.59	2.95
27	7.55	7.34	7.10	5.03	5.43	6.10	6.54	....	3.31	4.73	4.39	....
28	7.51	7.34	6.97	4.98	5.45	6.12	6.55	....	3.38	4.65	4.23	....
29	7.47	....	6.89	4.95	5.48	6.13	6.57	5.80	3.44	4.34	4.12	....
30	7.45	....	6.85	4.92	5.49	6.15	6.58	5.77	3.50	4.07	3.99	....
31	7.43	....	6.80	....	5.51	....	6.60	5.63	....	3.94	....	....

Long Rapids Township

Ap Lr 1. Harlo Mellon. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 32 N., R. 6 E. 240 feet east of west section line and 440 feet south of one-quarter section line. Drilled stock well, diameter 6 inches, depth 52 feet. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	14.56	Apr. 19	12.71	July 17	10.72	Oct. 18	14.56
Feb. 15	14.58	May 17	12.46	Aug. 17	12.60	Nov. 17	14.72
Mar. 15	14.69	June 15	10.58	Sept. 21	12.72	Dec. 18	8.16

Branch County

City of Coldwater

Br CW 3. City of Coldwater well 3, 330 feet south of Park Ave., 100 feet east of Bennett St. Drilled public-supply well, diameter 8 to 6 inches, reported depth 150 feet. Records available: 1949-50.

Jan. 7	11.86	Mar. 18	11.18	May 27	11.72	Aug. 5	12.47
14	11.55	25	11.23	June 3	11.55	12	12.84
21	11.42	Apr. 1	10.21	10	11.49	19	13.11
28	11.21	8	10.08	17	12.13	26	13.34
Feb. 4	11.40	15	10.57	24	12.29	Sept. 2	13.22
11	11.55	22	12.71	July 1	12.45	9	13.27
18	11.29	29	10.09	8	12.62	16	13.05
25	11.46	May 6	10.35	14	12.72	23	12.97
Mar. 4	11.47	13	10.89	22	12.32	30	13.12
11	11.00	20	10.52	29	12.48	Oct. 7	13.38

Br CW 3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 14	13.56	Nov. 4	13.55	Nov. 25	13.26	Dec. 15	12.48
21	13.46	11	13.78	Dec. 2	13.31	22	12.62
28	13.48	18	13.76	11	12.33	28	12.62

Calhoun County

City of Battle Creek

Ch BC 140. Oliver Farm Implement Co. 423 East Michigan Ave. About 150 feet northeast of Michigan Ave. and about 470 feet southeast of Union St. Records available: 1946-50.

Jan. 31	17.99	Apr. 25	17.10	July 31	20.83	Oct. 20	21.40
Feb. 28	18.94	May 29	18.26	Aug. 28	21.39	Nov. 30	20.90
Mar. 28	16.90	June 26	20.04	Sept. 29	20.62	Dec. 16	19.52

Ch BC 150. H. B. Sherman Manufacturing Co. 22 Barney St. About 430 feet southwest of Washington Ave. and 80 feet northeast of Kalamazoo St. Records available: 1946-50.

Jan. 31	14.85	Apr. 25	13.10	July 31	14.44	Oct. 20	14.87
Feb. 28	15.60	May 29	14.56	Aug. 28	15.18	Nov. 30	14.62
Mar. 28	13.44	June 26	14.70	Sept. 29	14.55	Dec. 16	13.88

Ch BC 160. Post Cereals Division, General Foods Corp. About 400 feet northwest of Angell St. and 240 feet southwest of Lafayette St. Unused industrial well, diameter 10 inches, depth 92 feet. Records available: 1946-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.76	6.61	6.94	5.45	5.11	6.84	....	7.08	7.97	7.13	7.83	7.81
2	6.75	6.61	7.04	5.42	5.30	6.90	....	7.16	7.97	7.11	7.91	7.76
3	6.68	6.75	7.12	5.33	6.52	6.52	7.14	7.21	7.86	7.29	7.88	7.23
4	6.69	6.80	7.16	5.24	5.46	6.35	....	7.27	7.83	7.33	7.87	7.03
5	6.61	6.82	7.08	5.14	5.56	6.30	....	7.32	7.80	7.42	7.73	7.14
6	6.57	6.78	6.71	5.16	5.63	6.45	....	7.30	7.95	7.44	7.68	7.11
7	6.61	6.93	6.61	5.15	5.68	6.51	....	e7.29	8.02	7.46	7.90	7.06
8	6.58	7.00	6.38	5.22	5.72	6.57	....	7.42	8.03	7.41	7.87	6.94
9	6.54	7.00	6.40	5.27	5.80	6.67	....	7.50	8.06	7.38	7.83	6.95
10	6.67	7.06	6.38	5.27	5.87	6.68	7.41	7.54	7.98	7.50	7.87	6.84
11	6.80	7.09	6.28	5.26	5.99	6.68	7.32	7.60	7.40	7.49	7.87	6.79
12	6.79	7.07	6.24	5.43	6.03	6.68	7.37	....	8.38	7.54	7.80	6.92
13	6.84	7.02	6.20	5.52	6.07	6.83	3.39	....	....	7.57	7.64	6.98
14	6.41	7.08	6.35	5.61	6.06	6.83	7.38	7.71	....	7.58	7.78	7.05
15	6.30	6.84	6.42	5.66	6.06	6.86	7.41	7.64	6.84	7.50	7.79	7.07
16	6.32	6.82	6.44	5.65	6.24	6.88	7.34	7.71	6.69	7.46	7.73	7.14
17	6.41	6.85	6.49	5.64	6.26	6.95	7.30	7.72	6.66	7.58	7.78	7.15
18	6.45	6.82	6.58	5.79	6.34	6.87	7.18	7.78	6.64	7.64	7.77	7.07
19	6.57	....	6.55	5.87	6.39	6.79	7.05	7.76	6.70	7.65	7.63	7.25
20	6.67	....	6.49	5.93	6.45	6.91	6.70	7.68	6.75	7.77	7.56	7.31
21	6.69	e6.88	6.57	5.99	6.43	6.97	6.59	7.61	6.78	7.77	7.63	7.36
22	6.66	6.86	6.56	6.02	6.43	7.01	6.62	7.79	6.77	7.61	7.63	7.37
23	6.67	6.93	6.55	5.98	6.53	7.06	6.58	7.84	6.82	7.58	7.62	7.34
24	6.81	7.02	6.56	5.75	6.59	e7.13	6.58	7.90	6.83	7.79	7.49	7.28
25	6.78	7.10	6.54	5.29	6.64	e6.91	6.76	7.93	6.77	7.83	7.58	7.31
26	6.57	7.11	6.39	5.11	6.64	7.03	6.81	7.95	6.96	7.88	7.46	7.29
27	6.51	7.03	5.95	5.08	6.67	....	6.91	7.88	7.03	7.84	7.48	7.48
28	6.46	7.13	5.65	5.02	6.63	....	6.96	7.77	7.10	7.87	7.65	7.52
29	e6.32	....	5.55	5.06	6.62	....	7.02	7.95	7.14	7.70	7.70	7.52
30	....	....	5.50	5.06	6.72	....	6.97	7.96	7.20	7.63	7.73	7.46
31	e6.64	....	5.49	....	6.70	....	6.93	7.98	....	7.78	....	7.43

e Estimated.

Ch BC 170. Honer Brewing Co. 30 feet north of Hamblin St., 290 feet west of McCambly St. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	7.60	Apr. 25	5.75	July 31	9.07	Oct. 20	8.77
Feb. 28	7.68	May 29	8.04	Aug. 28	10.12	Nov. 30	7.83
Mar. 28	5.59	June 26	8.91	Sept. 29	8.84	Dec. 16	6.94

Ch BC 172. Kellogg Company. 90 feet north of Porter St., 110 feet east of Stiles St. Records available: 1945-50. Measurement discontinued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	Day	Jan.	Feb.	Mar.	Apr.
1	.....	37.71	39.81	35.94	33.94	17	38.70	39.88	38.74	33.82
2	.....	37.87	40.06	34.03	36.25	18	38.90	39.91	38.85	36.76
3	34.36	38.05	40.20	34.37	36.56	19	39.22	37.28	35.96	37.15
4	38.05	38.30	40.30	36.60	36.70	20	38.70	36.68	35.68	37.26
5	38.49	35.38	37.50	36.72	36.77	21	39.12	39.32	38.42	37.47
6	38.73	35.95	36.85	36.74	35.88	22	35.68	39.58	38.61	37.74
7	38.88	38.60	37.66	36.52	34.18	23	35.60	39.66	38.63	36.54
8	38.75	39.05	39.65	36.65	33.90	24	39.13	39.82	38.80	36.02
9	34.85	39.23	39.90	33.47	34.15	25	39.55	40.07	38.82	37.62
10	38.76	39.48	39.73	33.16	36.77	26	39.95	37.00	35.91	37.75
11	39.27	39.68	39.36	35.97	37.01	27	40.04	36.32	35.24	36.31
12	38.97	36.73	38.84	36.30	37.05	28	40.05	39.37	37.36	37.00
13	39.41	36.72	36.13	36.37	37.15	29	35.83		37.35	37.13
14	39.69	40.05	38.19	36.47	37.35	30	35.68		37.21	36.71
15	35.44	39.53	38.45	36.60	35.57	31	37.36		37.05	
16	34.94	39.70	38.60	33.46	37.12					

Ch BC 173. Kellogg Company. 90 feet north of Porter St., 163 feet east of Stiles St. Records available: 1950.

Daily 2 a. m. water level from recorder graph

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	35.99	33.99	38.27	42.86	42.18	42.28	41.28	41.78	41.88
2	.....	34.12	35.88	38.60	39.16	42.86	42.19	37.36	41.80	42.13
3	.....	e33.91	36.13	38.73	37.86	43.19	38.73	40.70	41.91	40.90
4	.....	36.26	36.25	38.65	37.23	43.22	38.12	40.99	41.85	38.79
5	.....	36.21	36.32	36.33	37.64	43.36	37.92	40.22	39.22	40.10
6	.....	36.25	35.76	38.36	40.91	42.26	41.18	40.86	37.92	40.47
7	.....	36.05	34.19	38.84	41.71	40.31	41.82	40.92	40.78	40.41
8	.....	35.99	33.85	39.11	42.11	42.81	42.23	39.00	41.18	40.35
9	.....	33.50	33.80	39.20	42.43	43.28	42.15	38.53	.....	40.05
10	.....	33.21	36.25	39.30	40.81	43.31	38.70	40.82	41.73	37.76
11	.....	35.46	36.45	37.31	42.39	43.71	38.86	41.27	41.25	36.85
12	.....	35.78	36.56	37.03	42.80	43.83	.....	41.68	38.22	39.31
13	.....	35.87	36.66	39.05	43.12	43.88	.....	41.83	38.10	39.00
14	38.03	35.96	36.84	39.71	43.20	41.51	.....	41.89	40.09	38.89
15	38.01	36.10	35.19	40.59	43.36	43.61	42.66	39.05	40.49	38.81
16	38.13	33.35	36.60	41.11	42.76	44.17	42.33	38.67	40.79	40.12
17	38.19	33.56	36.81	41.50	41.71	43.74	37.79	40.85	40.76	38.52
18	38.36	36.11	37.37	41.48	42.93	44.21	37.29	41.40	40.78	36.94
19	.....	36.54	37.52	39.06	43.29	44.37	40.41	41.64	38.65	38.95
20	.....	36.69	37.80	41.21	43.42	43.73	39.39	41.97	38.49	39.26
21	38.14	36.96	37.82	40.91	43.51	42.99	39.39	41.98	40.00	39.27
22	38.08	37.25	36.81	41.75	43.49	42.81	40.61	38.97	39.42	39.33
23	38.14	36.32	37.90	42.16	43.24	42.68	40.80	38.43	40.78	40.50
24	38.31	35.86	38.11	42.16	38.94	42.66	40.24	40.90	37.55	40.33
25	38.34	38.22	38.18	41.76	42.47	42.56	36.62	41.32	37.20	37.99
26	33.73	37.24	38.38	39.16	42.97	42.55	39.75	41.53	36.88	37.46
27	33.11	36.29	38.61	41.84	42.85	.....	40.03	41.72	37.18	37.38
28	37.14	36.95	38.46	42.18	43.01	41.73	40.85	41.90	40.75	39.87
29	36.93	37.06	38.32	42.44	43.28	41.91	41.13	39.50	40.86	38.80
30	36.84	36.61	38.31	42.73	43.01	42.02	41.30	39.23	41.57	38.96
31	36.66		35.85		43.92	42.35		41.28		38.95

e Estimated.

City of Marshall

Ch MA 2. City of Marshall. 22 feet north of E. Michigan Ave. and about 225 feet east of East Drive. Drilled fire emergency well, diameter 6 inches, measured depth 59 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 3	5.60	June 13	6.07	July 25	6.53	Sept. 8	7.10
9	5.46	21	6.21	Aug. 1	6.30	14	6.92
16	5.83	29	6.20	8	6.30	19	6.99
23	5.89	July 6	6.40	17	6.87	25	7.05
31	6.06	11	6.48	22	6.93	Oct. 5	7.14
June 6	5.98	18	6.54	29	7.00	11	7.17

Ch MA 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 17	7.26	Nov. 7	7.37	Nov. 28	7.44	Dec. 20	7.37
23	7.30	14	7.35	5	7.26	29	7.45
Nov. 2	7.40	21	7.32	13	7.21		

Ch MA 3. City of Marshall. 32 feet west of S. Marshall St. and 180 feet north of Spruce St. Drilled fire emergency well, diameter 6 inches, measured depth 67 feet. Records available: 1950.

May 3	6.83	July 6	7.23	Sept. 8	7.68	Nov. 7	7.69
9	6.82	11	7.34	14	6.50	14	7.61
16	7.06	18	7.30	19	7.41	21	7.48
23	7.14	25	7.23	25	7.55	28	7.68
31	7.05	Aug. 1	7.37	Oct. 5	7.59	Dec. 5	7.37
June 6	6.90	8	7.47	11	7.56	13	7.44
13	7.04	17	7.56	17	7.65	20	7.93
21	7.09	22	7.58	23	7.67	29	7.74
29	7.16	29	7.60	Nov. 2	7.62		

Ch MA 4. City of Marshall. 24 feet east of S. Marshall St. and 97 feet south of Clinton St. Drilled fire emergency well, diameter 4 inches, measured depth 82 feet. Records available: 1950.

May 3	19.71	July 6	21.20	Sept. 8	22.84	Nov. 2	22.94
9	20.12	11	21.64	14	22.50	7	23.28
16	20.38	18	21.48	19	21.80	21	22.82
23	21.23	25	21.20	25	21.78	28	24.09
31	19.74	Aug. 1	21.45	Oct. 5	21.65	Dec. 5	22.88
June 6	20.04	8	21.29	11	21.67	13	22.60
13	20.42	17	21.28	17	21.67	20	22.73
21	20.56	22	22.42	23	23.30	29	23.20
29	20.84	29	22.41				

Battle Creek Township

Ch Bc 2. City of Battle Creek. Armstrong test well 3 at Goguac pumping station of city waterworks. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 2 S., R. 8 W. Records available: 1939-50.

Jan. 25	12.25	Apr. 25	10.00	July 24	9.47	Oct. 20	10.00
Feb. 21	12.23	May 29	9.39	Aug. 21	9.58	Nov. 30	10.30
Mar. 21	11.42	June 26	11.03	Sept. 22	9.70	Dec. 16	10.34

Ch Bc 50. E. H. Arnett. 447 N. Twenty-second St. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 2 S., R. 8 W., about 400 feet south of Upton Ave., about 700 feet west of Twenty-second St. Records available: 1946-50.

Jan. 25	3.06	Apr. 25	....	July 24	3.93	Oct. 27	4.88
Feb. 21	3.31	May 23	2.59	Aug. 25	5.39	Nov. 30	4.43
Mar. 21	3.01	June 19	2.96	Sept. 22	4.20	Dec. 16	3.50

Ch Bc 55. Dominic Conto. 630 Upton Ave. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 2 S., R. 8 W., about 200 feet north of Upton Ave., 30 feet west of Twentieth St. Records available: 1946-50. Jan. 25, 2.95; Feb. 21, 3.11; Mar. 21, 2.94; Apr. 28, 1.75; Oct. 27, 4.15; Nov. 30, 4.04; Dec. 16, 3.53.

Ch Bc 60. Eaton Manufacturing Co. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 2 S., R. 8 W., about 490 feet north of Avenue C, 30 feet west of Twentieth St. Records available: 1946-50.

Jan. 25	16.01	Apr. 25	13.43	July 24	18.12	Oct. 27	20.05
Feb. 21	16.12	May 23	14.72	Aug. 21	18.31	Nov. 30	20.10
Mar. 21	15.74	June 19	15.81	Sept. 22	18.48	Dec. 16	17.19

Ch Bc 137. City of Battle Creek. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 2 S., R. 8 W., about 530 feet west of Capital Ave. SW, 70 feet north of George B. Place. Records available: 1945-50.

Jan. 25	8.34	Apr. 25	6.44	July 24	6.37	Oct. 20	7.46
Feb. 21	8.16	May 29	6.22	Aug. 21	6.90	Nov. 30	7.83
Mar. 21	7.88	June 26	6.22	Sept. 22	7.10	Dec. 16	7.77

Ch Bc 169. Philip E. Slayton. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 2 S., R. 8 W., about 70 feet west of Twentieth St., about 100 feet south of Avenue A. Records available: 1945-50.

Jan. 25	1.97	Apr. 25	0.26	July 24	2.73	Oct. 27	5.01
Feb. 21	2.04	May 23	1.66	Aug. 21	4.79	Nov. 30	5.44
Mar. 21	1.72	June 19	2.52	Sept. 22	4.11	Dec. 16	4.55

Emmett Township

Ch Em 10. C. W. Cronkhite. 1302 East Michigan Ave. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 2 S., R. 7 W., about 150 feet south of East Michigan Ave., about 1.3 miles east of Raymond Ave. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	13.53	Apr. 18	11.80	July 31	12.22	Oct. 27	13.01
Feb. 28	13.21	May 29	11.42	Aug. 28	12.65	Nov. 30	13.28
Mar. 28	12.59	June 26	11.77	Sept. 22	12.60	Dec. 16	13.21

Ch Em 60. City of Battle Creek test well. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 2 S., R. 7 W. 58 feet south of Golden Ave., about 530 feet west of Union City Road. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	0.96	May 29	0.66	Aug. 21	1.82	Nov. 30	1.33
Feb. 21	.60	June 26	.68	Sept. 22	.98	Dec. 16	1.06
Mar. 21	.26	July 24	.91	Oct. 20	1.60		

Ch Em 64. City of Battle Creek test well. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 2 S., R. 7 W., about 350 feet east of Overton St., about 1,060 feet north of Golden Ave. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	8.68	Apr. 25	6.57	July 24	8.66	Oct. 20	9.72
Feb. 21	8.52	May 29	7.87	Aug. 21	9.56	Nov. 30	9.11
Mar. 21	7.97	June 26	8.22	Sept. 22	8.86	Dec. 16	8.89

Pennfield Township

Ch Pf 1. City of Battle Creek. Well 22 at Verona pumping station of city waterworks. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 1 S., R. 7 W. Records available: 1939-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.28	2.8	3.9	2.4	1.3	....	3.45	4.29	5.62	4.55	4.71	....
2	3.78	2.8	3.9	2.7	1.2	....	3.17	3.94	5.49	4.30	4.39	....
3	3.80	3.5	4.0	2.1	1.26	....	3.08	3.75	5.40	4.60	4.95	....
4	3.59	3.2	4.0	1.9	.96	....	2.84	3.36	5.30	4.90	4.44	....
5	3.5	3.3	3.9	2.3	1.00	3.50	3.15	3.78	5.95	4.27	4.31	4.85
6	3.6	2.8	3.9	1.9	1.29	1.99	2.90	3.72	5.88	4.44	4.71	4.75
7	3.6	2.7	3.8	1.8	1.43	2.41	3.84	3.88	6.04	4.17	4.34	4.90
8	3.9	3.4	3.6	1.8	1.57	3.00	4.21	4.46	5.76	4.28	4.57	4.75
9	3.7	3.2	2.8	1.9	3.19	e2.80	4.05	4.31	5.81	4.67	4.92	4.85
10	3.1	3.4	3.2	2.2	1.75	e2.70	4.25	4.55	5.59	4.16	4.16	4.75
11	3.5	3.1	3.0	1.1	1.33	e2.80	4.13	4.58	4.60	4.21	4.50	4.35
12	3.4	3.6	3.2	1.8	1.82	4.54	4.30	3.95	4.72	4.13	4.15	4.46
13	3.5	3.2	2.5	1.8	1.85	2.85	....	4.35	4.44	4.27	4.07	4.66
14	3.5	2.9	2.5	2.2	2.15	2.65	....	4.14	5.20	4.43	5.39	4.76
15	3.1	3.0	3.2	1.8	1.44	2.83	....	6.01	4.61	4.86	4.94	4.81
16	3.1	3.1	3.0	2.1	4.59	2.51	....	5.32	4.36	4.13	4.14	4.71
17	3.1	2.8	3.0	1.9	1.94	2.99	....	4.82	4.15	3.99	4.24	4.71
18	3.1	3.0	3.0	1.3	1.88	2.49	5.53	5.33	4.08	4.45	4.69	4.39
19	3.1	3.2	3.3	1.9	2.38	2.50	3.90	5.15	3.99	4.85	4.45	5.16
20	3.1	3.3	2.6	1.6	2.35	2.25	....	5.12	4.43	4.32	4.52	4.79
21	3.7	2.9	2.4	2.0	....	2.76	....	4.34	4.54	4.42	4.55	5.24
22	3.2	2.9	3.0	....	....	4.35	....	4.81	4.23	4.26	5.41	4.50
23	3.7	3.2	2.4	....	4.10	3.20	....	5.54	4.29	4.11	5.06	5.27
24	3.1	2.9	2.6	....	2.46	3.05	5.63	5.55	4.71	4.80	4.10	4.42
25	2.9	3.6	2.8	2.4	3.10	2.88	3.95	5.05	4.24	4.33	5.35	4.46
26	2.9	3.8	2.9	1.0	2.98	2.66	3.75	5.99	4.49	4.72	e4.62	4.28
27	3.4	3.9	2.2	1.3	2.30	2.94	4.25	5.57	4.14	4.58	....	4.50
28	3.0	3.9	1.7	1.4	2.74	2.94	4.01	5.37	4.15	4.50	....	4.87
29	2.8	....	1.7	1.1	4.61	3.04	3.92	6.88	4.67	4.57	....	4.92
30	3.2	....	2.2	1.4	....	3.26	4.34	6.13	4.56	4.57	....	4.88
31	2.7	....	2.2	....	....	....	3.45	5.69	....	4.31	....	4.54

e Estimated.

Ch Pf 58. City of Battle Creek test well. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 1 S., R. 7 W., about 5,300 feet west of Capital Ave. NE., 42 feet north of Roosevelt Ave. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	1.79	Apr. 25	+0.04	Aug. 21	0.86	Nov. 30	1.13
Feb. 28	1.33	May 23	+.08	Sept. 22	.86	Dec. 16	1.06
Mar. 28	.74	July 24	.38	Oct. 20	1.12		

Ch Pf 102. Kenneth N. Sabin. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 1 S., R. 7 W., about 200 feet south of State Highway M-78 and about 730 feet east of State Highway M-66. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	2.83	June 19	2.62	Oct. 20	3.82	Dec. 7	3.80
Feb. 21	2.77	July 24	3.03	Nov. 3	3.93	14	3.78
Mar. 28	.89	Aug. 21	3.46	24	4.03	21	3.92
Apr. 25	1.08	Sept. 29	3.61	30	4.06	28	3.93
May 23	2.12						

Ch Pf 105. Carl Coviso. Formerly Mrs. Harriet Rice. 1601 Capital Ave. NE., about 120 feet east of Capital Ave., and 1,500 feet north of Bridge St. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, T. 1 S., R. 7 W. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	10.88	Apr. 25	8.98	July 24	11.09	Oct. 20	12.09
Feb. 21	10.94	May 23	9.43	Aug. 28	11.97	Nov. 30	11.81
Mar. 21	10.19	June 19	10.40	Sept. 22	11.84	Dec. 16	10.97

Cass County

City of Dowagiac

Cs DW 1. City of Dowagiac well 1. 21 feet southwest of Chestnut St., and 38 feet southeast of Pennsylvania Ave. Records available: 1949-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	2.45	Mar. 31	3.10	June 30	4.05	Sept. 22	3.28
13	2.70	Apr. 7	3.10	July 7	3.30	29	3.40
20	2.67	14	3.30	14	3.87	Oct. 3	3.38
27	3.01	21	3.70	21	4.20	Nov. 3	3.90
Feb. 3	2.40	28	3.80	28	2.22	10	3.27
10	2.36	May 5	3.72	Aug. 4	3.85	17	3.86
17	2.50	12	3.62	11	2.72	27	3.85
24	2.50	19	3.56	18	2.21	Dec. 1	4.05
Mar. 3	2.80	26	4.20	25	2.23	8	3.80
10	2.40	June 2	4.20	Sept. 1	1.00	15	3.70
17	2.87	9	3.68	8	1.10	22	3.88
24	2.85	23	2.42	15	.90	29	3.45

Mason Township

Cs Ma 1. Vernie Allen. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 8 S., R. 14 W. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	52.85	Apr. 9	50.54	July 10	46.27	Oct. 8	47.85
8	51.65	16	49.45	16	46.20	15	48.65
15	52.10	23	48.95	23	47.17	22	47.89
22	51.45	30	48.55	30	47.12	29	47.99
29	51.43	May 7	48.17	Aug. 6	47.05	Nov. 5	48.07
Feb. 5	51.35	14	47.77	13	47.21	12	48.22
12	51.18	21	47.55	20	47.28	19	48.20
19	51.20	28	47.39	27	47.26	26	48.17
26	51.25	June 4	47.23	Sept. 3	47.36	Dec. 3	48.19
Mar. 5	51.11	11	47.60	10	47.38	10	48.62
12	50.79	18	47.15	17	47.60	15	48.75
19	50.69	25	47.20	24	47.63	24	48.83
26	50.65	July 2	47.00	Oct. 1	47.68	31	48.84
Apr. 2	50.60						

Charlevoix County

Chandler Township

Cv Ch 1. State Dept. of Conservation. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 33 N., R. 4 W. 230 feet east of one quarter section line and 2,220 feet south of county line. Records available: 1948-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	.....	74.79	74.68	e74.50	.....	.....	72.61	72.59	72.92	.....	73.48
2	.....	74.78	74.69	e74.52	.....	73.00	72.58	72.60	72.92	.....	73.51
3	.....	74.80	.....	e74.49	.....	73.00	72.59	72.62	72.93	.....	73.52
4	74.57	74.80	.....	e74.47	.....	72.98	72.57	72.64	72.94	.....	73.52

Cv Ch 1--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
5	74.60	74.80	.....	e74.48	.....	72.96	72.57	72.65	72.96	.....	73.51
6	74.60	74.77	.....	e74.47	.....	72.94	72.57	72.66	72.96	73.20	73.52
7	74.61	74.82	.....	74.43	.....	72.94	72.57	72.68	72.97	e73.21	73.54
8	74.63	74.81	.....	74.43	.....	72.94	72.57	72.68	72.97	e73.24	73.55
9	74.59	74.76	.....	74.41	.....	72.89	72.56	72.69	.....	e73.25	73.53
10	74.61	74.79	.....	74.36	.....	72.85	72.56	72.70	.....	e73.26	73.59
11	74.66	74.78	.....	74.29	.....	72.85	72.55	72.72	.....	73.28	73.59
12	74.64	74.82	74.66	74.32	.....	72.85	72.55	72.75	.....	73.28	73.60
13	74.64	74.80	74.63	74.31	73.50	72.84	72.54	72.76	.....	73.31	73.60
14	74.62	74.76	74.63	74.29	73.48	72.82	72.55	72.76	.....	73.32	73.62
15	74.66	74.73	74.62	74.27	73.45	72.78	72.54	72.75	73.00	73.33	73.61
16	74.69	74.75	74.63	74.25	73.44	72.75	72.54	72.77	.....	73.34	73.62
17	74.69	74.77	74.60	74.23	73.41	72.76	72.54	72.77	.....	73.36	73.61
18	74.62	74.75	74.63	74.21	73.40	72.74	72.54	72.81	.....	73.36	73.60
19	74.70	74.76	74.63	74.18	73.38	72.72	72.55	72.80	.....	73.36	73.63
20	74.71	74.77	74.60	74.17	73.36	72.70	72.54	72.81	.....	73.38	73.64
21	74.69	.....	74.58	74.15	73.33	72.70	72.55	72.82	.....	73.37	73.66
22	74.70	74.69	74.56	.....	73.31	72.69	72.55	72.83	73.04	73.39	73.66
23	74.72	74.70	74.56	.....	73.27	72.67	72.55	72.83	.....	73.40	73.68
24	74.73	74.72	74.56	.....	73.24	72.65	72.53	72.86	.....	73.41	e73.69
25	74.70	74.71	e74.56	.....	73.21	72.65	72.55	72.86	.....	73.42	.....
26	74.75	74.71	e74.56	.....	73.19	72.64	72.56	72.89	.....	73.44	.....
27	74.77	74.65	e74.51	.....	73.10	72.62	72.55	72.88	.....	73.45	.....
28	74.74	74.67	e74.50	.....	73.07	72.62	72.56	72.89	.....	73.45	.....
29	74.72	.....	e74.52	.....	73.04	72.62	72.56	72.89	73.15	73.46	.....
30	74.80	.....	e74.53	.....	73.03	72.59	72.56	72.91	.....	73.47	.....
31	74.77	.....	74.53	.....	.....	.....	72.58	72.91	.....	73.48	.....

e Estimated.

Cv Ch 31. State Dept. of Conservation. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 33 N., R. 4 W. Records available: 1937-41, 1948-50. Oct. 24, 14.28.

Hudson Township

Cv Hu 33. State Dept. of Conservation. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 32 N., R. 4 W. Records available: 1934-41, 1948-51. Oct. 24, 5.11.

Cv Hu 34. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 32 N., R. 4 W. Records available: 1935-38, 1941, 1948-51. Oct. 24, 1.26.

Cheboygan County

Nunda Township

Cb Nd 2. State Dept. of Conservation. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 33 N., R. 1 W. Records available: 1935-44, 1948-50. Oct. 24, 7.22

Cb Nd 4. State Dept. of Conservation. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 33 N., R. 1 W. Records available: 1935-42, 1944, 1948-50. Oct. 24, 5.65.

Cb Nd 5. State Dept. of Conservation. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 33 N., R. 1 E. Records available: 1939-44, 1948-50. Oct. 24, 4.01.

Cb Nd 7. State Dept. of Conservation. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T. 33 N., R. 1 E. Records available: 1935-44, 1948-50. Oct. 24, 2.92.

Cb Nd 17. State Dept. of Conservation. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 33 N., R. 1 E. Records available: 1935-41, 1943-44, 1948-50. Oct. 24, 8.68.

Walker Township

Cb Wk 11. State Dept. of Conservation. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 34 N., R. 1 W. Records available: 1935-41, 1948-50. Oct. 24, 4.91.

Cb Wk 33. State Dept. of Conservation. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 34 N., R. 1 W. Records available: 1935-44, 1948-50. Oct. 24, 6.66.

Clinton County

Village of Elsie

Ct ES 1. Village of Elsie. About 70 feet north of bridge over Baker Creek, 230 feet east of Ovid St. Records available: 1947-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.33	3.16	+1.73	8.35	+3.23	+3.66	0.19	4.17	4.17	3.38	3.41	e3.30
2	.8	2.38	+1.00	6.68	+3.27	+3.61	+.15	5.21	3.90	....	3.79	....
3	1.2	2.13	.43	4.75	+3.36	+3.78	+.21	5.25	3.12	3.60	3.77	2.95
4	2.5	2.30	1.29	4.03	+3.46	+3.75	+.17	5.17	....	3.42	3.73	3.06
5	2.9	2.16	.79	3.32	+3.52	+3.75	+.10	5.25	....	2.65	3.76	2.99
6	2.0	1.63	.24	2.77	+3.65	+3.72	+.05	5.14	....	1.97	4.12	3.00
7	1.5	1.38	.85	2.11	+3.57	+3.64	+.01	4.85	....	1.41	4.41	3.51
8	1.6	1.26	1.85	1.55	+3.45	+3.27	.01	3.92	e2.35	.97	4.56	3.75
9	1.5	1.03	2.93	1.16	+3.62	e+2.75	.17	4.47	2.74	.61	3.94	4.12
10	.9	1.22	3.53	.65	+3.72	e+2.79	.59	5.13	3.27	.86	4.00	4.18
11	1.0	1.31	4.28	0.0	+3.62	e+.81	1.18	6.04	....	e1.67	4.06	4.24
12	1.2	1.49	5.08	+.22	+3.76	e+1.13	1.98	6.03	....	2.14	3.94	4.36
13	.6	e1.31	5.53	+.42	+3.66	e+1.88	2.83	5.90	....	2.53	3.93	4.30
14	.3	e1.02	4.94	+.65	+3.67	e+1.80	3.43	5.87	....	2.93	3.91	4.35
15	1.1	e.89	3.65	+.90	+3.76	e+2.05	3.47	5.90	....	....	3.71	4.54
16	1.2	e.98	2.74	+1.13	+3.69	....	3.58	6.14	....	....	3.72	4.74
17	1.9	e1.03	1.92	e+1.60	+3.63	+2.25	3.93	e6.09	2.48	3.15	3.67	4.73
18	1.9	e.66	1.84	+1.64	+3.58	+1.15	e4.20	....	3.15	3.37	3.54	4.73
19	2.5	+.18	3.23	+1.78	+3.37	.42	....	e3.61	....	3.71	3.55	5.05
20	2.9	+.05	4.62	+1.93	+3.43	.86	....	3.34	....	3.58	3.52	5.12
21	2.8	+.21	4.18	+2.07	+3.50	.51	....	2.70	....	3.43	3.58	4.62
22	2.8	+.30	4.12	+2.17	+3.51	.51	....	2.14	....	3.18	3.71	4.20
23	3.1	+.15	5.40	+2.37	+3.55	.49	....	1.74	....	3.04	e3.56	5.18
24	3.7	+.50	....	+2.48	+3.58	.38	....	2.43	3.29	3.14	3.50	5.38
25	3.9	+.73	....	+2.67	....	.58	....	3.30	2.85	3.25	3.53	5.72
26	4.3	+1.00	7.25	+2.86	....	.42	2.29	3.83	2.67	3.19	3.20	5.65
27	4.43	+1.21	7.47	+2.90	....	.55	1.97	4.16	3.03	3.22	3.23	6.10
28	4.28	+1.51	8.03	+2.94	....	.81	2.23	4.64	3.27	3.22	3.27	6.46
29	3.91	....	8.85	+2.99	....	.63	2.78	5.20	3.26	3.38	3.32	6.71
30	3.82	....	9.00	+3.10	....	.43	3.60	5.42	3.41	3.49	3.15	6.67
31	3.42	....	9.35	....	+3.70	....	3.97	5.11	....	3.36	....	6.91

e Estimated.

Ct ES 2. Village of Elsie. About 40 feet east of First St., 120 feet south of Maple St. Records available: 1947-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30.27	32.31	....	37.61	26.20	25.77	29.66	35.20	34.05
2	29.79	31.23	....	35.35	26.17	25.83	29.31	....	32.57
3	32.40	33.08	....	33.85	26.08	25.65	e29.60	36.77	31.70
4	33.79	32.00	30.02	32.68	25.99	25.72	29.48	36.52	30.95
5	32.80	31.82	29.63	31.98	25.93	25.68	29.55	36.83	30.51
6	31.40	30.49	32.68	31.46	25.80	25.72	29.60	35.98	30.08
7	30.58	30.56	33.45	30.84	25.95	25.83	29.68	34.60	29.70
8	31.60	30.46	34.96	30.29	26.11	e25.85	29.63	32.82	33.13
9	30.78	30.65	35.50	30.02	25.90	27.57	30.69	35.67	33.91
10	29.93	30.86	36.42	29.52	25.74	26.67	31.10	38.50	34.40
11	31.37	31.29	37.33	28.83	25.87	30.24	....	37.40	34.85
12	30.29	31.19	....	28.77	25.78	28.55	32.35	36.65	34.83
13	29.64	....	....	28.57	25.66	28.21	33.50	36.45	33.44
14	30.12	....	....	28.40	25.72	27.55	35.45	....	32.89
15	31.39	....	....	28.18	25.64	27.23	34.10	....	33.05
16	31.40	....	....	28.00	25.76	e26.90	34.30	....	....
17	32.43	....	....	....	e25.76	26.85	34.50	....	32.41
18	31.91	....	....	27.45	25.73	31.49	35.40	....	33.60
19	33.15	28.96	34.30	27.33	25.80	32.75	34.70	....	35.15
20	33.50	29.45	36.62	27.22	25.83	31.26	33.43	....	35.80
21	32.90	28.78	34.01	27.12	25.83	30.84	33.22	....	34.84
22	33.23	29.72	35.92	27.04	25.75	30.62	33.30	....	34.80
23	33.93	29.21	38.00	26.80	25.75	30.88	34.90	....	33.15

Ct ES 2--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
24	34.59	28.65	e38.57	26.76	25.76	30.49	35.84	.....	.....
25	35.00	28.49	e39.25	26.52	25.71	e31.05	32.95	.....	31.49
26	34.78	28.17	e39.48	26.44	25.67	30.08	31.64	34.50	32.99
27	34.75	.....	38.08	26.48	25.72	31.73	30.72	35.60	.....
28	34.75	.....	.....	26.47	25.70	31.09	33.07	36.10	.....
29	33.90	.....	.....	26.45	25.70	30.70	34.25	37.10	.....
30	33.38	.....	40.60	26.35	25.69	30.02	35.65	36.35	.....
31	33.02	.....	42.25	.....	25.63	.....	35.40	35.30	.....

e Estimated.

Ct ES 3. Village of Elsie. About 60 feet east of Ovid St., about 110 feet north of south corporate limits. Records available: 1947-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.8	14.0	11.8	11.4	9.7	15.5	19.9	13.9	16.5	15.5	14.4	14.4
2	11.6	11.8	11.2	10.1	9.8	16.9	20.0	14.1	17.4	16.1	13.58	14.4
3	21.4	11.5	11.2	9.4	9.9	16.5	19.9	13.9	17.4	16.32	15.6	13.62
4	22.7	21.0	11.0	9.1	10.0	18.4	20.1	14.2	17.6	16.8	14.6	14.3
5	13.9	22.4	10.8	8.5	10.0	17.4	19.5	14.2	17.2	17.0	13.7	14.1
6	12.3	22.7	10.7	10.3	10.2	18.3	20.0	14.1	18.1	16.0	15.0	11.6
7	11.7	22.9	20.7	9.2	10.4	18.5	19.6	14.7	18.3	16.5	14.8	11.2
8	21.5	23.1	21.8	9.2	10.5	18.9	19.2	16.8	16.4	16.6	15.5	10.8
9	13.3	23.0	22.2	9.2	10.5	19.2	20.0	13.5	16.0	16.7	15.9	10.8
10	11.9	23.0	22.5	9.0	10.5	19.4	20.5	14.2	16.0	15.0	13.51	10.8
11	21.3	23.1	22.6	9.0	10.7	16.8	20.7	14.7	15.9	15.52	14.6	10.8
12	13.7	23.1	22.9	11.4	18.7	18.5	21.1	15.0	15.3	15.0	15.3	10.7
13	11.9	23.1	22.3	9.8	13.1	17.6	21.9	14.9	16.1	15.6	15.0	10.7
14	20.9	22.9	13.1	9.5	11.4	17.5	21.2	14.6	15.6	16.0	14.6	10.8
15	15.7	22.8	11.4	9.5	11.1	18.5	21.9	15.2	15.1	15.6	14.3	10.8
16	21.4	22.7	11.0	9.7	11.1	17.5	21.4	14.7	19.7	17.2	15.5	10.8
17	22.7	14.2	10.8	e9.6	20.26	21.48	22.4	15.8	20.5	15.8	13.8	10.8
18	22.7	11.5	20.3	9.62	21.1	21.5	21.9	17.2	20.8	14.7	14.2	10.9
19	23.1	10.8	22.2	9.9	14.6	21.5	16.1	16.6	20.8	14.4	16.1	10.9
20	23.1	20.3	13.2	9.9	12.3	19.4	14.9	17.1	20.7	14.3	14.4	10.9
21	23.0	12.1	11.6	9.9	18.0	19.4	14.4	16.7	20.7	14.9	14.4	11.0
22	23.1	20.6	21.1	10.0	12.2	19.3	13.6	17.2	20.2	15.0	14.8	10.9
23	23.1	13.3	20.9	10.1	11.4	19.3	13.5	17.1	17.8	14.0	14.1	10.9
24	23.1	11.1	22.6	10.2	11.2	18.1	13.7	15.6	17.4	14.5	14.30	10.8
25	23.0	10.8	23.1	10.2	11.2	18.5	15.2	16.0	12.9	13.50	14.0	....
26	23.0	11.3	23.2	9.58	17.0	19.5	16.1	15.8	14.2	15.4	13.8	....
27	23.1	11.0	23.0	9.7	....	19.4	16.1	15.3	15.3	14.3	13.6	....
28	22.8	11.8	21.1	9.7	20.8	20.3	14.6	16.0	15.2	14.9	15.2	....
29	22.9	.....	12.1	9.8	20.6	20.1	14.1	15.8	16.2	14.8	14.3	....
30	23.0	.....	10.2	9.7	15.3	20.0	13.9	16.0	16.1	15.1	14.9	....
31	22.8	.....	19.5	.....	15.4	.....	14.3	15.8	.....	14.4	.....	11.02

e Estimated.

Ct ES 10. Village of Elsie. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 8 N., R. 1 W., about 1,500 feet east of Ovid St., 150 feet north of one-quarter section line. Records available: 1948-50.
Jan. 29, 8.89; Mar. 30, 6.97; Apr. 26, 9.12; May 31, 13.14; Nov. 2, 14.30; Nov. 29, 13.12.

Ct ES 11. Village of Elsie. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 8 N., R. 1 W., about 1,500 feet east of Ovid St., 150 feet north of one-quarter section line. Records available: 1948-50.
Jan. 29, 11.88; Mar. 30, 11.36; Apr. 26, 10.84; May 31, 11.87; Nov. 2, 12.22;
Nov. 29, 12.37.

De Witt Township

Ct Dw 159. State Department of Health, Quarantine Farm. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 5 N., R. 2 W., about 220 feet west of De Witt Road, 670 feet north of Sheridan Road. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	55.90	Apr. 26	54.66	July 27	56.13	Oct. 26	55.75
Feb. 23	56.26	May 31	53.73	Aug. 30	56.42	Nov. 27	56.17
Mar. 29	55.45	June 29	55.07	Sept. 27	55.69	Dec. 26	55.82

Olive Township

Ct Oe 1. State Highway Dept. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 6 N., R. 2 W., on right-of-way of U. S. Highway 27. Records available: 1948-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.00	17.28	.....	16.66	15.60	16.18	16.26	16.58	16.92	16.52	16.76	16.83
2	17.92	17.25	.....	16.60	15.61	16.22	16.25	16.61	16.96	16.53	.....	16.79
3	17.77	17.27	.....	16.47	15.59	16.08	16.28	16.64	16.97	16.52	.....	16.69
4	17.76	17.26	.....	16.30	15.57	16.02	16.28	16.67	16.99	16.53	.....	16.68
5	17.82	17.29	.....	16.29	15.57	15.94	16.32	16.69	17.03	16.54	.....	16.72
6	17.78	17.21	17.26	16.31	15.55	15.92	16.34	16.71	17.05	16.54	.....	16.70
7	17.76	17.24	17.19	16.28	15.66	15.97	16.39	16.73	17.04	16.53	.....	16.61
8	17.81	17.28	17.03	16.23	15.80	15.97	16.42	16.74	17.03	16.52	16.83	16.50
9	17.69	17.16	17.15	16.28	15.75	15.97	16.44	16.74	17.02	16.53	16.76	.....
10	17.63	17.23	17.21	16.21	15.69	15.91	16.47	16.75	17.00	16.51	16.88	.....
11	17.70	17.21	17.15	16.01	15.79	15.94	16.48	16.73	16.95	16.54	16.91	.....
12	17.70	17.28	17.13	16.08	15.80	15.95	16.48	16.79	16.91	16.50	16.96	.....
13	17.64	17.27	17.09	16.07	15.74	15.93	16.46	16.80	16.86	16.59	16.94	16.28
14	17.46	17.17	17.12	16.09	15.78	15.92	16.50	16.81	16.75	16.64	16.97	16.30
15	17.56	17.13	17.11	16.09	15.77	15.95	16.53	16.80	16.70	16.66	16.92	16.27
16	17.53	.....	17.13	16.08	15.85	15.91	16.53	16.80	16.65	16.71	16.84	16.31
17	17.56	.....	17.08	16.02	15.89	15.97	16.53	16.81	16.65	16.70	16.89	16.32
18	17.40	.....	17.09	16.00	15.91	16.01	16.49	16.85	16.63	16.71	16.89	16.36
19	17.50	.....	17.18	15.99	15.95	15.97	16.55	16.82	16.55	16.69	16.82	16.35
20	17.53	17.26	17.15	16.01	15.98	15.97	16.50	16.85	16.56	16.71	16.78	16.37
21	17.49	.....	17.10	16.01	16.01	15.99	16.56	16.87	16.52	16.70	16.87	16.40
22	17.42	.....	17.05	16.05	15.98	16.05	16.57	16.86	16.46	16.69	16.84	16.30
23	17.42	.....	17.01	16.00	16.01	16.04	16.56	16.88	16.43	16.70	16.83	16.35
24	17.40	.....	17.04	16.02	16.04	16.05	16.54	16.92	16.50	16.74	16.85	16.25
25	17.36	.....	17.02	15.91	16.06	16.09	16.56	16.91	16.48	16.74	16.88	16.33
26	17.32	.....	17.03	15.72	16.06	16.10	16.57	16.95	16.50	16.78	16.64	16.35
27	17.42	17.25	16.79	15.69	16.13	16.12	16.57	16.93	16.51	16.76	16.72	16.44
28	17.34	.....	e16.75	15.68	16.13	16.18	16.57	16.94	16.50	16.73	16.77	16.40
29	17.20	.....	e16.80	15.68	16.14	16.18	16.57	16.87	16.51	16.76	16.80	16.36
30	17.30	.....	16.85	15.65	16.14	16.20	16.57	16.93	16.51	16.78	16.76	16.39
31	17.25	.....	16.81	.....	16.12	.....	16.59	16.92	.....	16.77	.....	16.41

e Estimated.

Crawford County

City of Grayling

Cr GR 3. State Fish Hatchery. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 26 N., R. 3 W., 332 feet south and 562 feet east of northwest section corner. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	2.98	May 16	2.88	Aug. 15	3.17	Nov. 17	2.92
Mar. 16	3.11	June 14	3.09	Sept. 14	3.06	Dec. 15	3.03
Apr. 18	2.86	July 13	3.13	Oct. 20	3.04		

Beaver Creek Township

Cr Bc 1. State Dept. of Conservation. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 25 N., R. 3 W. Records available: 1934-37, 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	10.83	Apr. 17	9.95	July 12	11.49	Oct. 16	10.62
Feb. 13	10.73	May 15	10.07	Aug. 14	10.31	Nov. 14	10.62
Mar. 13	10.61	June 13	10.33	Sept. 13	10.48	Dec. 15	10.67

Frederic Township

Cr Fr 1. State Dept. of Conservation. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 27 N., R. 4 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	6.01	Apr. 18	5.30	July 13	6.14	Oct. 17	6.12
Feb. 14	5.99	May 15	5.56	Aug. 15	6.21	Nov. 13	6.17
Mar. 15	6.05	June 14	5.91	Sept. 14	6.08	Dec. 15	6.24

Cr Fr 2. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 27 N., R. 4 W. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	13.78	Apr. 18	12.96	July 14	13.51	Oct. 18	13.64
Feb. 14	13.76	May 15	12.98	Aug. 16	13.66	Nov. 13	13.70
Mar. 14	13.91	June 14	13.26	Sept. 14	13.68	Dec. 15	13.78

Cr Fr 4. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 27 N., R. 4 W. Drilled unused well, diameter 2 inches, depth 174 feet. Records available: 1948-50.

Jan. 13	66.98	May 16	34.91	Aug. 15	34.90	Nov. 17	34.90
Feb. 14	66.94	June 14	34.88	Sept. 14	34.91	Dec. 15	34.71
Apr. 18	34.90	July 13	34.90	Oct. 17	34.90		

Cr Fr 5. State Dept. of Conservation. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 27 N., R. 4 W. Records available: 1949-50.

Jan. 13	17.57	Apr. 18	16.14	July 13	16.63	Oct. 17	16.33
Feb. 14	16.98	May 16	15.83	Aug. 15	16.83	Nov. 17	16.76
Mar. 14	16.93	June 14	16.25	Sept.	16.84	Dec. 15	16.88

Grayling Township

Cr Gr 1. State Dept. of Conservation. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 26 N., R. 2 W. Records available: 1934-50.

Jan. 13	1.66	Apr. 17	1.56	July 13	1.61	Oct. 17	1.67
Feb. 14	1.65	May 16	1.62	Aug. 14	1.72	Nov. 13	1.63
Mar. 14	1.66	June 14	1.77	Sept. 14	1.51	Dec. 15	1.61

Cr Gr 2. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 26 N., R. 3 W. Records available: 1934-50.

Jan. 12	10.42	Apr. 17	9.36	July 12	10.03	Oct. 16	10.47
Feb. 13	10.35	May 15	9.48	Aug. 14	10.19	Nov. 14	10.53
Mar. 13	10.45	June 13	9.88	Sept. 13	10.42	Dec. 15	10.56

Cr Gr 3. State Dept. of Conservation. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 26 N., R. 3 W. Records available: 1935-50.

Jan. 13	9.28	Apr. 17	8.03	July 13	8.60	Oct. 17	8.93
Feb. 14	9.00	May 16	8.11	Aug. 14	8.82	Nov. 13	9.04
Mar. 14	9.03	June 14	8.46	Sept. 14	8.98	Dec. 15	9.17

Cr Gr 4. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 26 N., R. 4 W. Records available: 1934-50.

Jan. 13	3.04	Apr. 18	0.88	July 13	2.48	Oct. 17	2.35
Feb. 14	2.86	May 16	1.59	Aug. 15	2.36	Nov. 13	2.34
Mar. 14	2.87	June 14	2.57	Sept. 14	1.37	Dec. 15	2.17

Cr Gr 5. State Dept. of Conservation. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 26 N., R. 4 W. Records available: 1934-50.

Jan. 13	5.14	Apr. 18	3.72	July 13	5.51	Oct. 17	5.61
Feb. 14	5.14	May 16	3.72	Aug. 15	5.66	Nov. 13	5.26
Mar. 14	4.99	June 14	5.24	Sept. 14	5.29	Dec. 15	5.00

Cr Gr 6. State Dept. of Conservation Game Refuge. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 26 N., R. 4 W. Records available: 1942-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.54	6.13	6.69	5.32	5.32	6.09	6.59	6.96	6.63	6.78	6.37	6.70
2	6.52	6.17	6.71	5.20	5.37	6.15	6.63	6.38	6.68	6.80	6.39	6.70
3	6.45	6.23	6.73	5.25	5.41	6.17	6.44	6.26	6.73	6.82	6.44	6.65
4	6.39	6.27	6.75	5.03	5.46	6.19	6.44	6.29	6.76	6.83	6.45	6.59
5	6.37	6.31	6.73	4.98	5.49	6.21	6.47	6.37	6.83	6.85	6.47	6.59
6	6.37	6.33	6.71	5.13	5.49	6.24	6.52	6.47	6.88	6.87	6.49	6.59
7	6.38	6.37	6.68	5.14	5.57	6.29	6.60	6.57	6.93	6.89	6.53	6.57
8	6.42	6.39	6.44	5.21	5.63	6.33	6.67	6.65	6.97	6.89	6.55	6.34
9	6.41	6.41	6.20	5.27	5.64	6.37	6.72	6.71	7.01	6.90	6.56	6.29
10	6.44	6.44	6.22	5.29	5.55	6.40	6.77	6.75	7.05	6.91	6.55	6.29
11	6.49	6.46	6.24	5.15	5.65	6.45	6.82	6.80	7.09	6.92	6.56	6.30
12	6.51	6.49	6.29	4.99	5.67	6.49	6.87	6.85	7.02	6.92	6.58	6.31
13	6.52	6.51	6.31	5.12	5.69	6.53	6.91	6.90	6.97	6.93	6.59	6.34
14	6.32	6.52	6.35	5.22	5.73	6.58	6.89	6.96	6.88	6.94	6.61	6.36

Cr Gr 6--Continued.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
15	6.25	6.52	6.39	5.18	5.76	6.63	6.93	7.01	6.59	6.95	6.61	6.38
16	6.24	6.55	6.43	5.14	5.80	6.67	6.96	7.06	6.52	6.96	6.62	6.41
17	6.28	6.57	6.45	5.08	5.83	6.50	7.01	7.10	6.53	6.96	6.61	6.43
18	6.27	6.57	6.48	5.07	5.86	6.54	7.01	7.14	6.56	6.98	6.59	6.46
19	6.35	6.58	6.53	5.09	5.89	6.58	7.04	7.18	6.51	6.98	6.56	6.47
20	6.40	6.60	6.55	5.12	6.92	6.64	6.83	7.23	6.47	6.99	6.58	6.48
21	6.41	6.60	6.56	5.19	5.95	6.64	6.67	7.27	6.47	7.00	6.60	6.50
22	6.43	6.60	6.48	5.26	5.97	6.65	6.73	7.31	6.47	7.02	6.60	6.52
23	6.46	6.61	6.24	5.26	6.00	6.70	6.82	7.34	6.49	7.03	6.61	6.56
24	6.49	6.63	6.15	5.32	6.03	6.45	6.89	7.39	6.55	7.04	6.63	6.55
25	6.47	6.66	6.10	5.36	6.03	6.21	6.88	7.43	6.57	7.04	6.65	6.59
26	5.94	6.67	5.89	5.01	6.06	6.30	6.93	7.40	6.63	7.05	6.63	6.61
27	5.84	6.68	5.77	5.12	6.09	6.30	6.98	7.42	6.68	7.06	6.65	6.62
28	5.86	6.69	5.43	5.16	6.11	6.37	7.04	7.08	6.71	6.50	6.67	6.62
29	5.90		5.35	5.25	6.14	6.44	7.07	7.00	6.73	6.36	6.68	6.63
30	6.01		5.38	5.31	6.16	6.51	7.10	6.70	6.74	6.34	6.68	6.67
31	6.06		5.40		6.18		7.12	6.61		6.35		6.68

e Estimated.

Cr Gr 7. State Dept. of Conservation. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 26 N., R. 4 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	5.53	Apr. 17	3.74	July 13	5.13	Oct. 17	4.98
Feb. 14	5.44	May 16	4.17	Aug. 15	4.83	Nov. 13	5.00
Mar. 14	5.47	June 14	4.99	Sept. 14	4.45	Dec. 15	4.77

Cr Gr 11. State of Michigan National Guard Camp. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 26 N., R. 4 W. Records available: 1949-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21.73	21.53	21.77	21.25	20.72	20.96	21.02	21.16	21.15	.....	21.45	21.63
2	21.73	21.54	21.78	21.23	20.73	20.97	21.02	21.11	21.15	.....	21.45	21.65
3	21.70	21.55	21.79	21.20	20.73	21.00	21.02	21.07	21.16	.....	21.47	21.64
4	21.69	21.54	21.80	21.16	20.73	21.00	21.01	21.05	21.16	.....	21.47	21.65
5	21.70	21.56	21.79	21.13	20.74	21.00	21.02	21.05	21.18	.....	21.47	21.65
6	21.70	21.55	21.80	21.10	20.75	21.00	21.02	21.05	21.19	21.32	21.48	21.65
7	21.69	21.57	21.79	21.08	20.79	21.01	21.03	21.04	21.19	21.32	21.48	21.66
8	21.70	21.58	21.77	21.04	20.82	21.02	21.04	21.04	21.20	21.32	21.49	21.65
9	21.69	21.58	21.75	21.01	20.82	21.02	21.04	21.03	21.21	21.33	21.49	21.67
10	21.70	21.59	21.70	20.99	20.82	21.02	21.05	21.03	21.21	21.33	21.49	21.67
11	21.72	21.62	21.64	20.95	20.85	21.03	21.05	21.04	21.22	21.35	21.52	21.67
12	21.73	21.64	21.64	20.94	20.85	21.04	21.05	21.04	21.22	21.35	21.52	21.67
13	21.73	21.65	21.63	20.91	20.83	21.04	21.05	21.04	21.22	21.35	21.52	21.67
14	.....	21.66	21.63	20.89	20.85	21.05	21.06	21.05	21.22	21.37	21.53	21.67
15	.....	21.65	21.64	20.89	20.85	21.06	21.06	21.05	21.21	21.38	21.53	21.67
16	.....	21.66	21.66	20.88	20.87	21.06	21.07	21.06	21.21	21.38	21.53	21.69
17	.....	21.68	21.66	20.86	20.88	21.09	21.08	21.08	21.21	21.39	21.53	21.69
18	.....	21.69	21.68	20.84	20.88	21.09	21.09	21.11	21.21	21.39	21.55	21.69
19	.....	21.69	21.70	20.81	20.89	21.09	21.11	21.12	21.20	21.40	21.55	21.70
20	21.66	21.70	21.71	20.80	20.90	21.09	21.11	21.14	21.21	21.40	21.55	21.70
21	21.66	21.71	21.71	20.78	20.91	21.10	21.11	21.15	21.21	21.42	21.55	21.70
22	21.66	21.70	21.72	20.74	20.91	21.10	21.11	21.16	21.21	21.42	21.56	21.70
23	21.67	21.71	21.72	20.73	20.91	21.10	21.11	21.17	21.20	21.42	21.56	21.74
24	21.68	21.72	21.68	20.73	20.92	21.10	21.11	21.19	21.23	21.43	21.57	21.74
25	21.69	21.74	21.64	20.72	20.92	21.08	21.12	21.20	21.23	21.43	21.61	21.74
26	21.66	21.75	21.59	20.71	20.93	21.04	21.12	21.22	21.23	21.43	21.60	21.74
27	21.57	21.76	21.50	20.72	20.96	21.01	21.13	21.22	21.24	21.44	21.61	21.75
28	21.56	21.76	21.44	20.72	20.96	21.01	21.13	21.22	21.25	21.47	21.61	21.75
29	21.52		21.35	20.73	20.96	21.00	21.15	21.21	21.25	21.46	21.62	21.75
30	21.53		21.31	20.73	20.96	21.00	21.15	21.20	.....	21.45	21.62	21.79
31	21.53		21.28		20.95		21.16	21.16		21.45		21.79

Cr Gr 12. State Dept. of Conservation Hartwick Pines Park. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 27 N., R. 3 W. 1,010 feet north of south line and 700 feet west of east section line. Records available: 1949-50.

Cr Gr 12--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.05	15.78	e16.14	.....	15.19	15.53	15.93	16.12	15.97	15.75	15.87	16.05
2	16.05	15.79	e16.15	.....	15.20	15.54	15.94	16.09	15.96	15.76	15.86	16.06
3	16.04	15.81	e16.16	.....	15.22	15.56	15.92	16.07	15.96	15.77	15.88	e16.05
4	16.01	15.83	16.17	.....	15.22	15.56	15.91	16.07	15.95	15.79	15.87	e16.05
5	16.01	15.85	16.17	.....	15.23	15.57	15.92	16.07	15.96	15.81	15.87	16.05
6	16.00	15.86	16.17	.....	15.22	15.58	15.92	16.08	15.96	15.82	15.88	16.05
7	15.98	15.89	16.17	.....	15.25	15.60	15.93	16.10	15.98	15.83	15.90	16.04
8	15.98	15.90	16.10	.....	15.27	15.62	15.94	16.11	15.99	15.84	15.91	16.00
9	15.98	15.91	15.91	.....	15.27	15.63	15.96	16.13	16.02	15.86	15.92	15.95
10	15.98	15.94	15.90	.....	15.26	15.64	15.97	16.15	16.03	15.87	15.93	15.93
11	15.99	15.97	15.90	.....	15.28	15.66	15.98	16.16	16.05	e15.89	e15.95	15.91
12	15.99	15.99	15.91	.....	15.28	15.68	15.99	16.17	16.04	15.90	15.95	15.90
13	15.99	16.00	15.93	.....	15.28	15.69	16.00	16.18	16.03	15.92	15.96	15.90
14	15.95	16.00	15.95	.....	15.30	15.71	16.01	16.19	16.01	15.91	15.97	15.90
15	15.94	16.01	15.97	.....	15.30	15.73	16.02	16.20	15.94	15.92	e15.97	15.90
16	15.93	16.03	15.99	.....	15.33	15.74	16.04	16.18	15.91	15.93	e15.98	15.90
17	15.93	16.04	16.00	.....	15.34	15.77	16.05	16.18	15.89	15.94	e15.99	15.91
18	15.92	16.05	16.01	.....	15.36	15.77	16.05	16.20	15.88	15.95	16.00	15.92
19	15.93	16.05	16.03	15.19	15.38	15.78	16.06	16.21	15.82	15.96	16.00	15.93
20	15.94	16.06	16.03	15.18	15.39	15.79	16.06	16.23	15.75	15.98	16.00	15.94
21	15.95	16.07	16.05	15.18	15.40	15.81	16.04	16.24	15.72	16.00	16.01	15.95
22	15.95	16.07	16.06	15.18	15.41	15.82	16.04	16.25	15.69	16.01	16.01	15.95
23	15.97	16.08	15.98	15.18	15.43	15.83	16.04	16.26	15.68	16.02	16.02	15.97
24	15.98	16.09	15.87	15.19	15.44	15.94	16.06	.....	15.68	16.03	e16.03	15.97
25	15.99	16.10	.....	15.19	15.45	15.95	16.06	.....	15.68	16.04	16.03	15.99
26	15.85	16.11	.....	15.18	15.47	15.96	16.07	.....	15.69	16.05	16.01	16.00
27	15.79	16.12	.....	15.18	15.48	15.97	16.09	.....	15.69	16.06	16.02	16.02
28	15.77	e16.13	.....	15.18	15.49	15.98	16.09	.....	15.70	15.98	16.03	16.02
29	15.76	.....	.....	15.19	15.50	15.99	16.10	16.16	15.71	15.92	16.03	16.03
30	15.77	.....	.....	15.19	15.51	16.00	16.11	16.06	15.73	15.90	e16.04	16.04
31	15.77	.....	.....	.....	15.52	.....	16.12	16.00	.....	15.88	.....	16.05

e Estimated.

Cr Gr 13. State Dept. of Conservation Hartwick Pines Park. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 27 N., R. 3 W., 100 feet south of north section line and 25 feet west of center line of State Highway M-93. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	9.14	Apr. 18	8.06	July 13	9.28	Oct. 18	9.18
Feb. 14	9.14	May 16	8.42	Aug. 15	9.51	Nov. 17	9.15
Mar. 14	9.11	June 14	8.92	Sept. 14	9.13	Dec. 15	9.03

Cr Gr 14. State Dept. of Conservation Hartwick Pines Park. NW $\frac{1}{4}$ sec. 15, T. 27 N., R. 3 W., 1,150 feet south of north section line and 610 feet northwest of center line of State Highway M-93. Records available: 1948-50.

Jan. 13	3.14	Apr. 18	2.01	July 13	3.28	Oct. 18	3.19
Feb. 14	3.16	May 16	2.45	Aug. 15	3.44	Nov. 17	3.06
Mar. 15	3.14	June 14	3.01	Sept. 14	2.86	Dec. 15	2.99

Lovells Township

Cr Lv 1. State Dept. of Conservation. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 27 N., R. 1 W. Records available: 1934-50.

Jan. 13	5.58	Apr. 18	3.46	July 13	4.50	Oct. 17	4.82
Feb. 14	5.20	May 15	3.73	Aug. 14	4.89	Nov. 13	5.12
Mar. 13	5.12	June 14	4.26	Sept. 14	4.68	Dec. 15	4.81

Cr Lv 2. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 27 N., R. 1 W. Records available: 1934-50.

Jan. 13	5.94	Apr. 18	4.28	July 13	5.34	Oct. 17	5.45
Feb. 14	5.56	May 15	4.76	Aug. 14	5.61	Nov. 13	5.35
Mar. 14	5.43	June 14	5.10	Sept. 14	5.48	Dec. 15	5.37

Cr Lv 3. State Dept. of Conservation. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 27 N., R. 1 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	4.16	Apr. 18	3.56	July 13	4.18	Oct. 17	4.09
Feb. 14	4.12	May 15	3.82	Aug. 14	4.26	Nov. 13	4.08
Mar. 14	4.09	June 14	4.08	Sept. 14	4.08	Dec. 15	4.05

Cr Lv 4. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 28 N., R. 1 W. Records available: 1934-50.

Jan. 13	7.97	Apr. 19	6.35	July 13	7.55	Oct. 17	7.14
Feb. 14	7.73	May 17	6.68	Aug. 16	7.84	Nov. 13	7.19
Mar. 14	7.57	June 15	7.18	Sept. 14	7.83	Dec. 15	7.21

Cr Lv 5. State Dept. of Conservation. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 28 N., R. 1 W. Records available: 1934-50.

Jan. 13	6.79	Apr. 18	5.20	July 13	6.14	Oct. 17	5.76
Feb. 14	6.31	May 15	5.42	Aug. 15	6.42	Nov. 13	5.93
Mar. 14	5.91	June 14	5.78	Sept. 14	6.24	Dec. 15	6.01

Cr Lv 6. State Dept. of Conservation. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 28 N., R. 2 W. Records available: 1933, 1935-37, 1943-50.

Jan. 13	3.58	Apr. 18	2.46	July 13	4.04	Oct. 17	3.85
Feb. 14	3.63	May 15	2.99	Aug. 15	4.31	Nov. 13	3.80
Mar. 14	3.56	June 14	3.59	Sept. 14	3.91	Dec. 15	3.61

Cr Lv 7. State Dept. of Conservation, former Civilian Conservation Corps well. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 27 N., R. 1 W. 435 feet north of county road and 1320 feet west of east section line. Records available: 1948-50.

Jan. 13	23.71	Apr. 18	22.46	July 13	23.21	Oct. 17	23.58
Feb. 14	23.39	May 16	22.68	Aug. 15	23.49	Nov. 17	23.66
Mar. 14	23.46	June 14	22.93	Sept. 14	23.69	Dec. 15	23.70

South Branch Township

Cr Sb 1. State Dept. of Conservation, Huron National Forest. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 25 N., R. 1 W. 740 feet west and 160 feet north of southeast section corner. Records available: 1948-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.89	35.14	35.35	35.06	34.55	34.40	34.47	34.65	34.79	34.95	35.10	35.29
2	34.90	35.15	35.36	35.05	34.55	34.40	34.47	34.66	34.80	34.96	35.11	35.30
3	34.90	35.16	35.37	35.02	34.54	34.39	34.47	34.67	34.81	34.96	35.13	35.30
4	34.92	35.17	35.37	35.00	34.53	34.39	34.47	34.68	34.82	34.97	35.13	35.31
5	34.93	35.17	35.37	35.00	34.51	34.39	34.49	34.70	34.83	34.97	35.13	35.32
6	34.94	34.17	35.40	34.99	34.50	34.39	34.49	34.71	34.83	34.98	35.14	35.33
7	34.95	35.19	35.39	34.95	34.51	34.40	34.50	34.71	34.83	34.98	35.15	35.33
8	35.00	35.20	35.39	34.93	34.51	34.40	34.51	34.71	34.84	34.98	35.15	35.33
9	35.00	35.19	35.42	34.90	34.49	34.40	34.52	34.72	34.84	34.99	35.15	35.34
10	35.01	35.21	35.41	34.88	34.47	39.39	34.53	34.72	34.84	34.99	35.17	35.34
11	35.03	35.22	35.40	34.83	34.48	34.40	34.53	34.73	34.84	35.00	35.18	35.35
12	35.04	35.23	35.42	34.83	34.47	34.40	34.53	34.74	34.85	35.00	35.18	35.35
13	35.04	35.23	35.41	34.82	34.45	34.39	34.52	34.75	34.85	35.01	35.18	35.36
14	35.04	35.23	35.43	34.81	34.45	34.40	34.54	34.75	34.85	35.02	35.19	35.37
15	35.07	35.24	35.44	34.79	34.45	34.41	34.55	34.72	34.86	35.03	35.19	35.38
16	35.08	35.25	35.44	34.78	34.45	34.40	34.56	34.72	34.87	35.04	35.19	35.39
17	35.09	35.26	35.44	34.75	34.44	34.41	34.57	34.72	34.88	35.04	35.20	35.40
18	35.09	35.26	35.45	34.74	34.44	34.42	34.57	34.74	34.89	35.05	35.21	35.41
19	35.11	35.28	35.46	34.72	34.44	34.41	34.59	34.73	34.88	35.04	35.21	35.41
20	35.12	35.29	35.46	34.71	34.43	34.41	34.58	34.74	34.90	35.05	35.21	34.42
21	35.12	35.29	35.47	34.69	34.43	34.42	34.59	34.75	34.90	35.05	35.23	35.43
22	35.13	35.30	35.47	34.68	34.42	34.42	34.60	34.75	34.90	35.06	35.23	35.43
23	35.14	35.30	35.48	34.65	34.41	34.42	34.61	34.75	34.90	35.07	35.24	35.44
24	35.15	35.31	35.49	34.64	34.41	34.41	34.61	34.76	34.92	35.07	35.25	35.43
25	35.16	35.33	35.50	34.62	34.41	34.43	34.61	34.77	34.91	35.08	35.26	35.44
26	35.17	35.33	35.49	34.60	34.41	34.43	34.62	34.78	34.93	35.09	35.23	35.45
27	35.15	35.34	35.43	34.60	34.41	34.43	34.63	34.77	34.93	35.09	35.26	35.46
28	35.11	35.34	35.38	34.59	34.41	34.45	34.63	34.77	34.94	35.08	35.27	35.46
29	35.09		35.28	34.58	34.41	34.45	34.64	34.78	34.94	35.09	35.28	35.46
30	35.13		35.19	34.57	34.40	34.45	34.64	34.78	34.95	35.10	35.28	35.47
31	35.13		35.13		34.39		34.65	34.79		35.10		35.47

Eaton County

City of Charlotte

Ea CH 1. City of Charlotte. About 250 feet east of U. S. Highway 27, 320 feet south of Territorial Road. Records available: 1947-50. Dec. 29, 1950, 14.56.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	11.71	10.88	.....	9.44	10.21	12.91	12.12	12.40	13.17	13.50
2	11.79	10.95	.....	9.43	10.33	12.95	12.17	12.44	13.15	.....
3	11.82	11.02	.....	9.41	10.48	12.94	12.20	12.48	13.15	.....
4	11.62	11.10	.....	9.40	10.62	12.60	12.24	12.53	13.15	.....
5	11.35	11.18	.....	9.34	10.76	12.25	12.26	12.58	13.17	.....
6	11.18	11.25	.....	9.21	10.90	12.05	12.30	12.64	13.21	.....
7	11.15	11.32	11.22	9.17	11.03	11.89	12.34	12.69	13.26	.....
8	11.21	11.40	11.11	9.22	11.16	11.80	12.39	12.75	13.30	.....
9	11.29	11.46	10.78	9.31	11.29	11.86	12.45	12.81	13.34	.....
10	11.39	11.49	10.47	9.43	11.39	11.83	12.49	12.85	13.38	.....
11	11.46	11.51	.....	9.56	11.49	11.80	12.56	12.91	13.35	.....
12	11.50	11.55	.....	9.65	11.59	11.80	12.63	12.96	12.20	.....
13	11.56	11.58	.....	9.76	11.68	11.85	12.69	13.00	12.70	.....
14	11.46	11.62	10.26	9.90	11.76	11.85	12.70	13.04	12.10	.....
15	11.16	11.63	10.29	10.04	11.84	11.85	12.71	13.07	11.87	13.98
16	10.98	11.50	10.35	10.19	11.93	11.87	12.74	13.12	.....	.....
17	10.93	11.36	10.41	10.34	12.19	11.76	12.75	13.17	.....	.....
18	10.95	11.26	10.48	10.51	12.26	11.72	12.63	13.23	.....	.....
19	11.02	e11.20	10.56	10.72	12.33	11.73	12.57	13.25	.....	.....
20	11.12	e11.20	10.63	10.90	12.40	11.77	12.40	13.28	.....	.....
21	11.22	11.21	10.70	11.07	12.46	11.84	12.28	13.28	.....	.....
22	11.30	11.19	10.73	11.22	12.50	11.93	12.22	13.33	.....	.....
23	11.38	11.20	10.62	11.30	12.54	12.01	12.21	13.36	.....	.....
24	11.45	.....	10.49	11.27	12.56	12.08	12.19	13.38	13.02	.....
25	11.49	.....	10.36	11.02	12.60	12.05	12.19	13.41	.....	.....
26	11.37	.....	10.26	10.65	12.64	12.02	12.19	13.45	.....	.....
27	11.11	.....	10.12	10.33	12.69	12.04	12.20	13.46	.....	.....
28	10.91	11.52	9.90	10.17	12.77	12.08	12.21	13.45	.....	.....
29	10.87	.....	9.64	10.09	12.77	12.10	12.25	13.46	.....	.....
30	10.81	.....	9.46	10.13	12.82	12.10	12.30	13.34	.....	.....
31	10.84	.....	9.42	.....	12.83	.....	12.35	13.23	.....	.....

e Estimated.

City of Grand Ledge

Ea GL 1. Layne Northern Co., Grand Ledge chair factory. 365 feet west of Perry St. and 310 feet north of Jefferson St. Records available: 1948-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.14	27.32	26.39	24.68	21.91	21.90	.....	22.43	23.29	23.73	24.42	25.29
2	28.08	27.20	26.53	24.78	21.89	21.97	.....	22.51	23.43	23.73	24.48	25.00
3	27.84	27.26	26.57	24.46	21.76	21.76	.....	22.60	23.37	23.69	24.72	24.91
4	27.87	27.19	26.61	24.30	21.67	21.60	.....	22.68	23.56	23.73	24.54	25.13
5	28.11	27.21	26.36	24.22	21.60	21.40	22.04	22.72	23.68	23.77	24.49	25.36
6	28.03	26.96	26.52	24.20	21.51	21.41	22.11	22.74	23.68	23.72	24.47	25.34
7	27.99	27.08	26.26	23.93	21.74	21.54	22.21	22.77	23.58	23.69	24.81	25.00
8	28.20	27.12	25.92	23.72	21.93	21.55	.....	22.78	23.49	23.71	24.61	24.99
9	27.88	26.81	26.16	23.80	21.61	21.52	.....	22.76	.....	23.70	24.33	25.10
10	27.76	26.96	26.47	23.48	21.52	21.40	.....	22.77	.....	23.67	24.90	24.99
11	27.99	26.91	26.13	23.01	21.72	21.61	22.39	22.86	.....	23.79	24.96	25.01
12	27.98	27.03	.....	23.26	21.61	21.62	.....	22.93	23.43	23.74	25.06	24.85
13	27.81	26.98	.....	23.24	21.41	21.52	.....	22.91	.....	24.05	24.88	24.93
14	27.55	26.78	25.94	23.26	21.49	21.47	.....	22.88	.....	.....	25.03	25.04
15	27.78	26.71	25.97	23.22	21.39	21.61	.....	22.82	.....	.....	24.77	24.95
16	27.69	.....	26.00	23.16	21.59	.....	.....	22.88	.....	24.19	24.58	25.15
17	27.83	.....	25.84	22.98	21.62	.....	.....	22.92	.....	24.16	24.94	25.17
18	27.43	.....	25.89	22.96	21.63	.....	.....	23.01	23.44	24.21	24.87	25.29
19	27.69	.....	26.13	22.91	21.69	.....	22.48	22.95	23.26	24.04	24.65	25.22
20	27.76	.....	25.91	22.92	21.71	21.50	.....	23.05	23.37	24.20	24.66	25.28
21	27.59	.....	25.72	22.89	21.72	.....	.....	23.00	23.25	24.12	25.10	25.38
22	27.42	26.47	25.62	22.94	21.58	.....	.....	23.06	23.17	24.12	24.96	24.93
23	27.41	26.43	25.53	22.73	21.66	.....	.....	23.07	23.14	24.18	24.99	25.18
24	27.40	26.47	25.61	22.78	21.72	.....	.....	23.15	23.51	24.31	25.16	24.83
25	27.30	.....	25.60	22.54	21.74	.....	22.44	23.13	23.46	24.30	25.17	25.24

Ea GL 1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	27.28	.....	25.62	22.33	21.80	.....	22.37	23.22	23.57	24.54	24.34	25.22
27	27.51	.....	25.10	22.23	21.89	21.82	22.34	.....	23.60	24.34	24.85	25.48
28	27.32	.....	24.90	22.21	21.83	21.92	22.34	.....	23.60	24.30	25.08	25.26
29	27.03		25.11	22.14	21.82	21.89	22.32	23.28	23.67	24.47	25.16	25.14
30	27.40		25.32	22.05	21.79	.....	22.32	23.37	23.68	24.52	24.97	25.29
31	27.23		25.13		21.70		22.40	23.30		24.40		25.34

Delta Township

Ea Dt 214. John Schneeberger. $SE\frac{1}{4}NE\frac{1}{4}$ sec. 10, T. 4 N., R. 3 W. 160 feet west of Creitz Rd., 0.5 mile north of Saginaw St. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	34.45	Apr. 26	32.64	July 27	33.14	Oct. 25	33.90
Feb. 23	33.70	May 31	32.74	Aug. 30	33.51	Nov. 28	34.14
Mar. 29	33.68	June 29	32.96	Sept. 27	33.71	Dec. 26	34.04

Ea Dt 215. Bernard B. Bosworth. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 9, T. 4 N., R. 3 W. About 90 feet north of Saginaw St., about 500 feet east of Broadbent Rd. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	11.27	Apr. 26	5.72	Aug. 30	12.50	Nov. 28	13.68
Feb. 23	10.39	May 31	9.52	Sept. 27	12.90	Dec. 26	12.11
Mar. 29	8.51	July 27	11.45	Oct. 25	13.31		

Ea Dt 217. F. B. Marsh. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 24, T. 4 N., R. 3 W., 250 feet northwest of U. S. Highway 27, 300 feet southwest of Waverly Road along highway. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	0.84	Apr. 24	0.14	July 27	19.46	Oct. 25	20.40
Feb. 23	3.37	May 31	11.33	Aug. 30	18.94	Nov. 27	20.44
Mar. 29	.38	June 29	16.54	Sept. 27	20.15	Dec. 26	11.06

Genesee County

City of Flint

Ge FL 352. City of Flint. About 325 feet north of Atherton Rd., 30 feet west of intersection with Bay St. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	2.84	Mar. 30	2.45	Oct. 31	2.85	Dec. 28	2.95
Feb. 24	2.74	Apr. 26	1.81	Nov. 28	2.88		

Ge FL 353. City of Flint. 23 feet south of Brandon St., 25 feet west of Barney Ave.
Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	55.02	Apr. 26	53.79	July 26	55.60	Oct. 31	54.78
Feb. 24	54.55	May 24	54.73	Aug. 25	56.35	Nov. 28	54.26
Mar. 30	53.93	June 27	55.07	Sept. 26	54.71	Dec. 28	54.25

Ge FL 354. City of Flint. About 100 feet north of Atherton Rd., 30 feet west of intersection with Day St. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	2.09	Apr. 26	1.09	July 26	3.82	Oct. 31	2.48
Feb. 24	1.94	May 24	1.30	Aug. 25	4.73	Nov. 28	2.11
Mar. 30	1.72	June 27	2.56	Sept. 26	3.31	Dec. 28	2.12

Ge FL 491. Consumers Power Co. 130 feet south of Sunnyside Ave., 140 feet east of Franklin Ave. Records available: 1946-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.46	25.93	25.67	25.28	24.83	25.25	27.98	29.87	30.09	28.31	27.06	e26.39
2	26.36	25.92	25.91	25.23	24.85	25.46	27.94	30.00	30.13	28.29	27.08	e26.39
3	26.08	25.95	26.00	25.04	24.84	25.26	27.84	30.14	30.11	28.15	27.19	26.20
4	25.95	25.97	26.09	24.91	24.81	25.41	27.55	30.21	30.08	28.15	27.09	e26.09
5	26.28	26.06	25.96	24.92	24.83	25.31	27.70	30.15	30.01	28.13	26.93	e26.31
6	26.28	25.81	25.81	25.05	24.79	25.13	27.85	30.14	29.88	28.12	26.84	e26.38
7	26.26	25.88	25.73	25.02	24.98	25.40	27.78	30.02	29.95	28.11	26.81	e26.26
8	26.46	25.99	25.51	24.95	e24.97	25.76	27.87	29.77	29.76	28.08	26.68	e26.22
9	26.17	25.73	25.72	25.08	.....	26.12	27.99	29.97	29.79	27.97	26.45	e26.29
10	26.04	25.87	25.92	24.78	24.94	26.37	28.21	30.17	29.89	27.78	26.65	e26.26
11	26.18	25.79	25.78	24.60	24.97	26.70	28.20	30.33	29.77	.....	26.70	e26.23
12	26.29	25.93	25.66	24.81	24.90	26.84	28.48	30.49	29.64	.....	26.73	e26.18
13	26.14	25.85	25.57	24.86	24.76	26.66	28.66	30.49	29.69	e27.81	26.56	e26.30
14	25.83	25.65	25.60	24.96	24.79	26.81	28.93	30.39	29.49	27.83	26.50	e26.41
15	26.23	25.28	25.62	24.99	24.65	26.98	28.98	.....	29.39	27.81	26.36	e26.41
16	26.10	25.57	25.77	24.98	24.73	27.13	29.12	.....	29.38	27.81	26.18	26.43
17	26.24	25.73	25.73	24.81	24.81	27.50	e29.10	.....	29.50	.....	26.29	e26.38
18	25.92	25.84	25.68	24.84	24.84	27.60	.....	.....	29.60	27.80	.....	26.40
19	26.21	25.75	25.92	24.88	24.88	e27.36	.....	.....	29.44	27.92	26.19	e26.33
20	26.29	25.86	25.79	24.97	24.89	27.03	.....	.....	29.31	27.83	e26.08	26.43
21	26.16	25.76	25.68	24.98	24.95	26.98	.....	.....	29.37	27.76	e26.13	e26.51
22	25.99	25.63	25.69	25.04	24.92	27.17	.....	.....	29.37	27.63	e26.11	e26.25
23	25.95	25.58	25.63	24.91	24.88	27.33	.....	.....	29.24	27.49	e26.19	26.38
24	25.89	25.70	25.71	24.93	24.86	27.59	29.15	.....	29.29	27.46	e26.28	e26.27
25	25.71	25.89	25.72	24.77	24.92	27.93	29.19	30.49	29.00	27.40	e26.36	.....
26	25.65	25.91	25.73	24.68	24.97	27.98	29.23	30.48	28.74	27.55	e25.94	.....
27	25.98	25.94	25.36	24.81	25.21	27.98	29.26	30.35	28.59	27.46	26.19	.....
28	25.90	25.78	25.20	24.87	25.29	28.01	29.46	30.10	28.50	27.29	e26.33	26.28
29	25.64	.....	25.38	24.94	25.19	27.96	29.65	30.03	28.36	27.34	e26.39	26.25
30	25.85	.....	25.59	24.91	25.00	27.96	29.83	30.18	28.33	27.26	e26.28	26.31
31	25.75	.....	25.61	.....	25.02	.....	29.96	30.12	.....	27.12	.....	26.34

e Estimated.

Ge FL 500. Consumers Power Co. About 2,500 feet east of Dort Highway, 540 feet north of Court St. Records available: 1946-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.91	20.06	19.62	19.42	18.98	19.47	22.57	24.03	24.89	23.08	22.27	21.04
2	20.89	20.05	19.77	19.37	19.00	19.61	22.57	24.08	24.94	23.02	22.25	21.02
3	20.66	20.09	19.83	19.25	19.00	19.54	22.46	24.18	24.92	22.99	22.33	20.88
4	20.52	20.11	19.86	19.15	18.99	19.61	22.33	24.27	24.85	23.07	22.23	20.87
5	20.62	20.16	19.76	19.13	19.01	19.57	22.26	24.35	24.79	23.12	22.10	20.97
6	20.62	20.02	19.81	19.19	19.02	19.59	22.29	24.42	24.74	23.12	22.01	21.03
7	20.60	20.04	19.71	19.21	19.08	19.80	22.46	24.40	24.73	23.11	22.03	20.98
8	20.70	20.13	19.58	19.15	19.16	20.02	22.64	24.35	24.70	23.02	21.94	20.95
9	20.49	19.99	19.70	19.21	.....	20.19	22.76	24.40	24.68	22.95	21.79	20.99
10	20.42	20.09	19.80	19.03	19.11	20.31	22.77	24.47	24.68	22.86	21.79	20.97
11	20.50	20.01	19.74	18.92	19.14	20.52	22.79	24.52	24.48	22.93	21.78	20.99
12	20.56	20.10	19.71	19.02	19.13	20.61	22.91	24.61	24.43	22.88	21.76	20.95
13	20.48	20.03	19.62	19.04	19.07	20.69	.....	24.65	24.44	22.96	21.66	20.95
14	20.26	19.87	19.62	19.09	19.13	20.86	.....	24.63	24.29	22.98	21.62	20.95
15	20.43	19.75	19.62	19.13	19.03	21.08	.....	24.58	24.24	22.94	21.53	20.93
16	20.30	19.77	19.73	19.16	19.09	21.20	23.43	24.64	24.25	22.89	21.40	20.95
17	20.37	19.80	19.72	19.04	19.13	21.39	23.30	24.73	24.29	22.79	21.40	20.91

Ge FL 500--Continued.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
18	20.14	19.82	19.68	19.05	19.17	21.54	23.20	24.78	24.21	22.73	e21.41	20.91
19	20.31	19.76	19.82	19.09	19.23	21.50	23.37	24.76	24.03	22.62	21.24	20.88
20	20.34	19.79	19.76	19.15	19.30	21.50	23.39	24.82	24.05	22.58	21.17	20.88
21	20.28	19.71	19.66	19.16	19.42	21.59	23.55	24.81	24.01	22.55	21.18	20.94
22	20.18	19.62	19.65	19.20	19.36	21.73	23.67	24.84	23.93	22.47	21.12	20.83
23	20.32	19.57	19.62	19.13	19.32	21.81	23.79	24.87	23.84	22.41	21.15	20.90
24	20.29	19.63	19.67	19.12	19.39	21.89	23.79	24.93	23.89	22.43	21.15	20.75
25	20.19	19.72	19.65	19.00	19.38	21.99	23.85	24.96	23.79	22.47	21.12	20.80
26	20.16	19.72	19.70	18.93	19.41	21.99	23.92	25.01	23.73	22.58	20.80	20.77
27	20.31	19.76	19.48	19.00	19.51	22.01	24.00	e24.97	23.67	22.56	20.86	20.74
28	20.24	19.68	19.34	19.02	19.62	22.22	24.14	.....	23.59	22.45	20.91	20.68
29	20.03		19.45	19.04	19.64	22.31	24.18	.....	23.32	22.43	20.97	20.67
30	20.11		19.57	19.02	19.56	22.44	24.22	.....	23.22	22.35	20.94	20.72
31	20.02		19.55		19.44		24.21	24.92		22.26		20.73

e Estimated.

Burton Township

Ge Bu 300. Chas. F. Crain. Formerly William F. Brooks, Jr. 3505 Columbine Ave. About 280 feet north of Bristol Rd. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	3.54	Apr. 26	2.52	July 26	3.98	Oct. 31	3.54
Feb. 24	3.41	May 24	4.03	Aug. 25	4.93	Nov. 28	2.73
Mar. 30	2.54	June 27	4.14	Sept. 26	3.33	Dec. 28	3.73

Ge Bu 301. City of Flint. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 7 N., R. 7 E., 140 feet south of Hemphill Rd., 260 feet east of Saginaw St. Records available: 1947-50.

Jan. 23	22.49	Apr. 26	21.09	July 26	24.52	Oct. 31	22.82
Feb. 24	22.15	May 24	21.96	Aug. 25	25.27	Nov. 28	22.33
Mar. 30	21.90	June 27	23.28	Sept. 26	24.34	Dec. 28	22.20

Ge Bu 303. Clifford Clute. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 7 N., R. 7 E. About 360 feet east of Fern Ave., 80 feet north of Bristol Rd. Records available: 1946-50.

Jan. 23	2.35	Nov. 6	1.94	Nov. 21	0.93	Dec. 11	1.60
Feb. 24	2.10	7	2.09	22	1.24	12	1.66
Mar. 30	1.16	8	1.02	28	1.37	17	e1.82
Apr. 26	.82	9	1.12	29	1.42	19	2.34
May 24	2.63	10	1.16	30	1.49	20	2.35
June 27	2.90	11	1.39	Dec. 1	1.69	21	2.44
July 26	2.88	12	1.57	2	1.73	22	2.41
Aug. 25	3.73	13	1.67	3	.18	23	2.42
Sept. 26	2.08	14	1.79	4	.55	24	2.37
Oct. 31	2.04	15	1.81	5	.99	25	2.40
Nov. 1	2.07	16	.88	6	1.16	26	2.49
2	2.14	17	1.24	7	.65	27	e2.55
3	2.29	18	1.48	8	1.21	29	2.50
4	2.31	19	1.59	9	1.44	30	2.55
5	2.03	20	1.30	10	1.54	31	2.58

e Estimated.

Ge Bu 492. Arthur W. Arndt. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 7 N., R. 7 E. 710 feet west of Saginaw St., 120 feet north of Maple Rd. Records available: 1946-50.

Jan. 23	20.05	June 27	19.66	Sept. 26	21.73	Nov. 28	20.15
Feb. 24	19.79	July 26	21.02	Oct. 31	20.82	Dec. 28	19.94
May 24	18.96	Aug. 25	22.09				

Gladwin County

City of Beaverton

Gw BV 1. City of Beaverton. 130 feet east of Third St. and 85 feet south of Main St. Drilled public-supply well, diameter 12 inches, depth 68.2 feet. Records available: 1950.

June 5	32.44	June 10	36.36	June 16	33.84	June 22	37.98
6	46.02	12	40.69	17	36.34	23	46.58
7	32.47	13	32.15	19	34.46	24	35.98
8	32.29	14	37.34	20	34.81	26	43.35
9	34.70	15	32.12	21	34.17	27	47.96

Gw BV 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 28	47.77	Aug. 12	32.72	Sept. 30	32.58	Nov. 16	32.61
29	32.18	14	32.42	Oct. 2	32.60	17	32.61
30	32.32	15	32.44	3	32.55	20	32.47
July 1	32.30	16	32.58	4	32.67	22	32.51
3	32.24	19	33.44	5	32.53	23	32.60
4	32.23	21	32.50	7	32.69	24	32.57
5	32.42	22	32.70	9	32.67	25	32.56
6	32.26	23	47.46	10	32.78	27	32.74
8	32.39	24	33.90	11	32.77	28	32.74
9	32.32	25	33.53	12	32.90	29	32.57
10	33.49	26	32.50	13	32.87	30	32.82
11	48.24	28	32.54	14	32.80	Dec. 1	32.93
12	32.56	29	32.66	16	32.65	2	32.51
13	32.52	31	32.44	17	32.70	4	32.31
14	32.46	Sept. 1	32.48	18	32.92	5	32.52
15	32.66	2	32.77	19	32.78	6	32.44
17	32.50	4	32.49	20	35.77	7	32.29
18	32.41	5	32.66	21	32.64	8	32.24
19	32.39	6	32.59	23	32.60	9	32.00
20	47.87	7	32.83	24	32.58	11	31.79
21	32.41	8	33.00	25	33.41	12	32.67
22	32.47	9	33.00	26	32.95	13	32.19
24	32.35	11	32.74	27	32.71	14	32.23
25	46.61	12	32.55	28	32.55	15	32.39
26	32.33	13	32.48	30	32.87	16	32.28
27	32.42	14	32.35	31	32.45	18	32.30
28	32.39	15	32.33	Nov. 1	32.51	19	32.38
29	32.52	16	32.25	2	32.47	20	32.51
31	32.50	18	32.29	3	32.43	21	32.55
Aug. 1	32.47	19	32.48	4	32.43	22	32.50
2	32.43	20	32.44	6	32.78	23	32.35
3	32.56	21	32.31	7	32.43	25	32.45
4	32.60			8	32.77	26	32.42
5	32.43	23	32.04	9	33.20	27	33.00
7	32.53	25	32.21	10	32.70	28	32.62
9	32.59	27	32.41	11	33.00	29	32.61
10	32.73	28	32.46	13	32.59	30	32.72
11	32.61	29	32.47	15	32.78		

Grand Traverse County

Blair Township

Gv Br 2. State Dept. of Conservation. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 26 N., R. 11 W. Records available: 1935-37, 1941-44, 1948-50. Oct. 23, 2.82.

Gv Br 14. State Dept. of Conservation. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 26 N., R. 11 W. Records available: 1935-44, 1948-50. Oct. 23, 1.95.

Fife Lake Township

Gv Ff 6. State Dept. of Conservation. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 25 N., R. 9 W. Records available: 1934-37, 1941-44, 1948-50.

Feb. 27	4.09	May 22	3.72	Aug. 29	3.98	Nov. 28	4.24
Mar. 21	4.10	June 21	3.85	Sept. 25	4.15	Dec. 26	4.28
Apr. 27	3.61	July 10	3.90	Oct. 23	4.25		

Gv Ff 24. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 25 N., R. 9 W. Records available: 1934-37, 1941-44, 1948-50.

Apr. 27	5.41	June 21	5.93	Aug. 29	6.60	Oct. 23	6.93
May 22	5.49	July 10	6.16	Sept. 25	6.73		

Gv Ff 27. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 25 N., R. 9 W. Records available: 1934-37, 1941-44, 1948-50.

Feb. 27	13.44	May 22	13.03	Aug. 29	13.04	Nov. 28	13.49
Mar. 21	13.53	June 21	13.04	Sept. 25	13.20	Dec. 26	13.65
Apr. 27	13.01	July 10	13.04	Oct. 23	13.35		

Mayfield Township

Gv My 19. State Dept. of Conservation. $SE\frac{1}{4}NW\frac{1}{4}$ sec. 2, T. 25 N., R. 11 W. Records available: 1935-37, 1943-44, 1948-50. Oct. 23, 6.07.

Paradise Township

Gv Pr 25. State Dept. of Conservation. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 2, T. 25 N., R. 10 W. Records available: 1936-37, 1941-44, 1948-50. Oct. 23, 1.63.

Gv Pr 26. State Dept. of Conservation. $NW\frac{1}{4}NW\frac{1}{4}$ sec. 8, T. 25 N., R. 10 W. Records available: 1936-44, 1948-50. Oct. 30, 0.82.

Union Township

Gv Un 2. State Dept. of Conservation. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 13, T. 26 N., R. 9 W. Records available: 1934-37, 1941-44, 1948-50. Oct. 23, 7.28.

Whitewater Township

Gv Ww 1. State Dept. of Conservation. $SE\frac{1}{4}NW\frac{1}{4}$ sec. 35, T. 27 N., R. 9 W. Records available: 1934-37, 1941-44, 1948-50. Oct. 23, 12.06.

Gv Ww 6. State Dept. of Conservation. $SE\frac{1}{4}SW\frac{1}{4}$ sec. 25, T. 27 N., R. 9 W. Records available: 1934-44, 1948-50. Oct. 23, 3.75.

Gv Ww 15. State Dept. of Conservation. $SW\frac{1}{4}NW\frac{1}{4}$ sec. 28, T. 27 N., R. 9 W. Records available: 1934-44, 1948-50. Oct. 23, 16.86.

Gv Ww 18. State Dept. of Conservation. $NW\frac{1}{4}NE\frac{1}{4}$ sec. 4, T. 27 N., R. 9 W. Records available: 1934-44, 1948-50. Oct. 23, 1.51.

Gv Ww 25. State Dept. of Conservation. $SE\frac{1}{4}NW\frac{1}{4}$ sec. 34, T. 27 N., R. 9 W. Records available: 1935-44, 1948-50. Oct. 23, Dry at 18.70.

Gratiot County

City of Alma

Gr AL 5. City of Alma. 50 feet east of River Ave., 125 feet north of Chatterton St. Records available: 1948-50. Measurement discontinued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	21.85	21.80	21.22	20.47	20.30	20.77
2	21.68	e21.58	21.51	20.77	20.40	20.98
3	21.16	21.69	21.70	20.52	20.31	20.86
4	21.24	21.62	e21.74	20.75	20.21	21.09
5	21.94	21.71	21.27	21.17	20.17	21.01
6	21.88	21.14	21.72	22.06	19.94	21.11
7	21.75	21.54	21.37	22.21	20.42	21.44
8	22.14	21.72	20.78	22.00	20.84	21.52
9	21.43	21.09	21.43	22.13	20.42	21.43
10	21.25	21.44	21.92	21.71	20.22	21.47
11	.....	21.32	21.51	20.78	20.57	21.87
12	.....	21.71	21.49	21.25	20.41	21.81
13	.....	21.64	21.29	21.25	20.06	21.54
14	.....	21.26	21.33	21.29	20.17	21.36
15	.....	20.95	21.23	21.20	20.00	21.37
16	.....	21.16	21.37	21.05	20.32	21.04
17	21.87	21.46	21.10	20.66	20.39	21.24
18	21.07	21.52	21.10	20.67	20.40	21.23
19	21.79	21.43	21.58	20.61	20.45	20.85
20	22.06	21.78	21.35	20.60	20.43	20.67
21	21.72	21.41	21.15	20.57	20.36	20.68
22	21.35	21.15	21.04	20.64	20.12	20.81
23	21.48	20.96	20.88	20.28	20.18	20.93
24	21.52	e21.20	21.04	20.42	20.35	21.87
25	21.25	e21.60	21.06	20.27	20.59	22.24

Gr AL 5--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June
26	21.40	.....	21.15	20.16	20.88	22.39
27	22.11	21.78	20.38	20.38	21.03	22.68
28	21.72	e21.40	20.28	20.51	20.85	23.13
29	20.96		20.88	20.61	20.71	.....
30	21.79		21.39	20.51	20.60	.....
31	21.54		21.21		20.46	

e Estimated.

Gr AL 23. City of Alma. About 380 feet east of Lincoln Ave., 65 feet south of Elizabeth St. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	56.62	Apr. 28	56.30	July 25	27.09	Oct. 30	57.86
Feb. 17	59.01	May 26	53.15	Aug. 29	28.86	Nov. 29	57.76
Mar. 24	57.12	June 28	27.97	Sept. 25	25.33	Dec. 27	54.62

Gr AL 30. City of Alma. 254 feet west of Court Ave., 73 feet north of Superior St. Drilled unused public-supply well, diameter 8 inches, reported depth 105 feet. Records available: 1950.

June	9	14.31	July	11	21.94	July	30	26.89	Aug.	21	25.80
	16	17.86		12	22.40		Aug. 1	28.37		22	28.40
	20	15.10		13	25.55		2	30.30		28	27.20
	21	15.29		14	24.80		3	29.41		29	25.44
	22	19.39		15	28.94		4	30.46	Sept.	1	28.06
	24	22.86		17	29.10		6	27.66		2	24.08
	26	20.77		18	27.00		8	29.86		5	23.28
	27	25.64		19	27.04		9	33.00		6	24.61
	28	26.48		20	27.07		10	33.40		7	25.07
	29	23.60		21	26.93		11	31.44		8	25.70
	30	23.32		22	26.89		12	31.36		9	25.88
July	3	22.90		24	25.36		13	29.30		11	24.22
	4	15.85		25	24.55		14	26.98		12	23.08
	5	13.94		26	24.76		15	28.74		14	21.00
	6	18.66		27	25.59		16	29.99		15	21.10
	7	19.36		28	27.92		17	28.45		16	19.38
	8	22.00		29	27.69		19	27.52		18	16.83
	10	16.78									

Gr AL 45. Layne Northern Co. About 700 feet east of Elmwood Ave., 300 feet south of Eastward St. extended. Records available: 1947-50.

Jan. 26	69.34	Apr. 28	68.47	July 25	66.99	Oct. 30	67.66
Feb. 17	67.57	May 26	67.22	Aug. 29	68.59	Nov. 29	68.44
Mar. 24	67.35	June 28	64.62	Sept. 25	68.62	Dec. 27	67.96

Gr AL 54. Layne Northern Co. About 260 feet east of Elmwood Ave., 90 feet south of Eastward St. extended. Records available: 1947-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70.4	71.9	70.0	70.3	70.3	70.3	70.7	70.6	72.1	67.7	69.3	69.9
2	70.2	71.8	70.2	70.6	70.4	70.4	70.7	70.3	72.3	68.6	69.4	69.6
3	69.8	71.8	70.4	70.4	70.4	70.3	70.9	70.2	72.0	68.9	69.7	69.2
4	70.0	72.1	70.5	70.5	70.3	70.4	70.9	70.3	71.9	69.3	69.4	69.5
5	70.8	72.3	69.2	70.8	70.2	70.4	71.1	70.3	72.0	69.2	69.2	69.7
6	70.5	71.7	69.5	71.3	69.4	68.0	70.9	70.4	72.0	69.1	68.8	69.6
7	70.5	72.1	69.7	71.3	68.9	67.0	70.9	70.4	71.7	69.2	69.2	69.1
8	71.0	71.6	69.4	71.1	69.0	66.4	70.9	70.2	71.6	69.1	68.9	69.1
9	70.3	70.6	69.8	71.4	69.7	e64.7	70.9	70.2	71.5	69.1	68.8	69.2
10	70.3	70.8	70.2	71.1	69.6	e63.7	70.8	70.2	71.4	69.1	69.6	69.0
11	71.0	70.8	69.8	70.3	70.2	....	70.8	70.5	71.5	69.2	69.8	69.0
12	71.0	70.8	69.9	70.9	70.0	....	70.7	70.6	71.5	69.5	70.0	68.8
13	....	70.6	69.7	71.0	69.9	....	70.6	70.6	71.5	69.4	69.8	68.8
14	70.5	70.1	69.9	71.0	70.0	....	71.1	70.5	71.5	69.5	69.8	68.8
15	71.0	69.8	70.1	71.1	69.9	....	71.2	70.4	71.5	69.6	69.5	68.7
16	70.6	70.0	70.1	70.9	70.2	64.4	....	70.7	71.5	69.5	69.4	68.6
17	71.0	70.3	70.1	70.6	70.3	64.3	....	71.3	71.6	69.3	69.9	68.5
18	70.4	70.2	70.0	70.6	70.4	66.4	....	71.6	71.4	69.4	69.9	68.5
19	71.2	70.0	70.7	70.5	70.4	62.8	....	71.5	71.0	69.2	69.6	....
20	71.4	70.3	70.5	70.7	70.4	63.1	....	71.7	71.2	e69.3	69.7	....

Gr AL 54--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	70.7	69.9	70.2	70.6	70.4	62.9	....	71.8	71.1	....	70.1	....
22	....	70.0	70.1	70.7	70.1	65.3	....	e71.9	70.9	69.2	70.0	....
23	....	70.0	70.1	70.3	70.2	66.2	....	72.0	70.7	69.4	70.0	68.1
24	....	70.0	70.5	70.5	70.2	67.0	....	72.2	70.1	69.4	70.3	67.6
25	....	70.4	70.7	70.4	70.3	68.0	70.3	72.2	70.9	69.3	70.3	67.3
26	71.8	70.3	70.7	70.2	70.4	68.4	70.7	72.5	69.0	69.6	69.4	67.0
27	72.0	70.4	70.1	70.6	70.6	68.8	70.3	71.9	68.3	69.5	e69.8	67.8
28	71.6	70.0	70.0	70.8	70.4	69.2	70.7	71.6	67.7	69.4	70.2	67.6
29	70.9		70.7	70.4	70.3	69.6	70.8	71.5	67.3	69.6	70.0	67.4
30	71.8		71.2	70.4	70.1	69.9	70.8	72.1	67.0	69.4	69.7	67.6
31	71.6		70.9		69.9		70.5	72.1		69.2		67.6

e Estimated.

Gr AL 98. Marshall Dallas, Superior Sign Shop. 190 feet south of Superior St., 100 feet east of State St. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	23.13	May 26	22.75	July 25	26.88	Nov. 29	28.02
Feb. 17	24.89	June 28	27.07	Aug. 29	28.49	Dec. 27	23.01
Mar. 24	21.95						

Gr AL 99. Stanley J. Brown. 85 feet west of Court Ave., 140 feet north of Downie St. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	16.21	Apr. 28	14.55	July 25	40.01	Oct. 30	32.44
Feb. 17	17.73	May 26	17.75	Aug. 29	39.71	Nov. 29	21.37
Mar. 24	14.63	June 28	40.87	Sept. 25	18.18	Dec. 27	16.20
Apr. 3	14.06						

Gr AL 103. Vane Mills. 95 feet north of Chatterton St., 115 feet east of Pine Ave. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	6.00	Apr. 28	5.78	July 25	7.03	Oct. 30	6.99
Feb. 17	6.70	May 26	6.36	Aug. 29	7.66	Nov. 29	5.95
Mar. 24	6.16	June 28	7.48	Sept. 25	6.75	Dec. 27	6.75

Gr AL 106. Harold J. Farwell. 90 feet west of Euclid Ave., 140 feet north of Walnut St. Records available: 1946-50. Measurement discontinued. Apr. 28, 9.60.

Gr AL 135. Thomas Thompson. About 350 feet north of Ely St., 70 feet west of Wheeler Ave. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	40.01	Apr. 28	38.86	July 25	42.45	Oct. 30	42.81
Feb. 17	41.79	May 26	40.26	Aug. 29	44.04	Nov. 29	44.45
Mar. 24	39.23	June 28	42.03	Sept. 25	39.24	Dec. 27	39.33

Gr AL 148. Alvin F. Tennant. About 300 feet south of Michigan Ave., 65 feet west of Hayes Ave. Records available: 1947-50. Mar. 24, 12.28; May 26, 12.19; July 25, 12.33; Nov. 29, 12.60; Dec. 27, 12.31.

Gr AL 174. Leo D. Dalrymple. About 230 feet north of Ely St., 80 feet west of Grover Ave. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	11.03	Apr. 28	9.22	July 25	10.21	Oct. 30	10.50
Feb. 17	11.03	May 26	9.53	Aug. 29	10.92	Nov. 29	10.58
Mar. 24	10.86	June 28	10.25	Sept. 25	10.26	Dec. 27	9.98

Gr AL 230. Ruby Taylor. Formerly Fred M. Taylor. 290 feet south of Eastward St., 65 feet east of Linwood Ave. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	7.95	Apr. 28	6.53	July 25	7.57	Oct. 30	7.73
Feb. 17	8.07	May 26	7.33	Aug. 29	8.19	Nov. 29	7.69
Mar. 24	8.73	June 28	7.82	Sept. 25	8.12	Dec. 27	7.16

Gr AL 240. C. V. Peet. 100 feet south of Superior St., 65 feet west of Pleasant Ave. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	10.19	Apr. 28	8.72	July 25	9.47	Oct. 30	9.99
Feb. 17	10.19	May 26	9.07	Aug. 29	10.14	Nov. 29	10.03
Mar. 24	10.00	June 28	9.58	Sept. 25	9.60	Dec. 27	9.42

Gr AL 249. Mary J. Patterson. 140 feet east of Grove Ave., 90 feet south of Eastward St. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	9.38	Apr. 28	7.57	July 25	7.93	Oct. 30	8.37
Feb. 17	9.07	May 26	7.49	Aug. 29	8.28	Nov. 29	8.43
Mar. 24	9.94	June 28	7.71	Sept. 25	8.34	Dec. 27	8.20

Gr AL 252. Elwin E. Peterson. 120 feet west of Wright Ave., 50 feet north of Virginia St. Records available: 1947-50.

Jan. 26	12.32	Apr. 28	10.66	July 25	11.90	Oct. 30	12.44
Feb. 17	12.28	May 26	11.31	Aug. 29	12.60	Nov. 29	12.50
Mar. 24	12.30	June 28	11.98	Sept. 25	12.12	Dec. 27	11.72

Gr AL 255. Mattie J. Patterson. 130 feet south of Hastings St., 85 feet west of River Ave. Records available: 1946-50.

Jan. 26	14.13	Apr. 28	12.31	July 25	30.41	Oct. 30	26.07
Feb. 17	15.46	May 26	14.50	Aug. 29	30.56	Nov. 29	18.72
Mar. 24	12.26	June 28	31.05	Sept. 25	16.56	Dec. 27	14.13

Gr AL 256. L. A. Halker. About 500 feet north of Michigan Ave., 100 feet east of Bridge Ave. Records available: 1947-50.

Jan. 26	17.24	Apr. 28	16.43	July 25	20.82	Oct. 30	20.17
Feb. 17	17.46	May 26	17.79	Aug. 29	21.62	Nov. 29	20.00
Mar. 24	17.01	June 28	19.93	Sept. 25	18.23		

Gr AL 258. Joel R. McCartney. 100 feet west of Prospect Ave., 50 feet north of north track of Ann Arbor Railroad. Records available: 1946-50.

Jan. 26	20.70	Apr. 28	22.05	July 25	22.82	Oct. 30	24.78
Feb. 17	24.80	May 26	21.84	Aug. 29	25.45	Nov. 29	26.89
Mar. 24	22.62	June 28	25.21	Sept. 25	20.12	Dec. 27	22.61

Gr AL 260. R. V. Brown. About 300 feet south of Hastings St., 115 feet west of River Ave. Records available: 1946-50.

Jan. 26	11.69	Apr. 28	2.52	July 25	4.51	Oct. 30	21.11
Feb. 17	16.30	May 26	3.53	Aug. 29	27.01	Nov. 29	4.91
Mar. 24	11.46	June 28	27.02	Sept. 25	3.44	Dec. 27	4.26

Gr AL 358. Oris Martin. 65 feet east of Euclid Ave., 97 feet south of Chatterton St. Drilled unused domestic well, diameter 2 inches, depth 55.2 feet. Records available: 1950.

Apr. 3	21.71	June 28	24.22	Aug. 29	32.39	Nov. 29	26.64
28	21.41	July 25	35.02	Oct. 30	43.33	Dec. 27	40.06
May 26	22.05						

Gr AL 359. Frank Hooper. 100 feet east of Grover Ave., 250 feet south of Rosedale St. Drilled domestic well, diameter 2 inches, depth 30 feet. Records available: 1950. Apr. 3, 16.73; Apr. 28, 15.52; May 26, 15.71.

Gr AL 360. Reed Excavating Co. 130 feet east of Bridge Ave., 283 feet north of Washington St. extended. Dug well, diameter 36 inches, depth 20 feet. Records available: 1950.

Daily 2 a. m. water level from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	14.70	15.96	16.76	.....	17.40	16.76	17.24	17.30
2	.....	14.80	16.00	16.78	.....	17.42	16.82	17.26	17.28
3	.....	.....	16.03	16.79	.....	17.43	16.88	17.28	17.23
4	13.96	.....	16.06	e16.79	.....	17.45	e16.95	17.29	17.02
5	13.88	.....	16.08	.....	.....	17.47	16.98	17.31	16.88
6	13.78	.....	16.12	.....	.....	17.49	17.03	17.33	16.78
7	13.74	.....	16.17	.....	.....	.....	17.06	17.36	.....
8	13.78	.....	.....	16.77	.....	.....	17.09	17.37	.....
9	13.87	.....	16.26	16.79	.....	.....	17.10	17.37	.....
10	13.90	.....	16.28	16.83	.....	.....	17.11	17.37	.....
11	.....	.....	16.33	16.86	.....	17.56	17.12	17.36	.....
12	e14.10	.....	.....	e16.90	.....	.....	17.12	17.34	16.22
13	14.15	.....	.....	.....	.....	.....	17.14	17.33	16.20
14	14.22	.....	.....	.....	.....	.....	17.15	17.35	16.21
15	14.38	.....	.....	.....	.....	.....	17.16	17.35	16.24
16	14.34	.....	16.36	.....	.....	.....	17.15	17.31	16.30
17	14.38	.....	16.42	.....	.....	.....	e17.15	17.27	16.35
18	14.46	15.61	16.45	.....	.....	16.35	17.16	17.22	16.42
19	14.52	e15.71	16.48	.....	.....	16.37	17.17	17.18	16.47
20	14.59	15.77	16.52	.....	.....	16.34	17.20	17.18	16.55

Gr AL 360--Continued.

Daily 2 a. m. water level, from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	14.63	15.78	e16.54	.....	.....	16.32	17.22	17.17	16.56
22	14.71	15.82	e16.57	.....	.....	16.31	17.24	17.10	16.57
23	14.74	15.85	e16.60	.....	.....	16.27	17.26	17.09	16.61
24	.....	15.87	16.66	.....	.....	16.28	17.28	17.10	16.57
25	14.85	15.87	16.66	16.29	.....	16.35	e17.32	17.13	16.60
26	.....	15.86	16.63	16.32	.....	16.40	17.34	17.18	16.62
27	.....	15.83	.....	16.39	.....	16.48	17.35	17.28	16.69
28	14.66	15.80	e16.68	16.47	.....	16.56	17.35	e17.32	16.72
29	14.65	15.80	e16.71	16.55	17.40	16.63	17.33	17.31	16.75
30	14.66	15.84	e16.73	16.63	17.39	16.69	17.29	17.29	16.77
31	.....	15.89	.....	e16.70	17.39	.....	17.25	.....	16.79

e Estimated.

City of St. Louis

Gr ST 1. City of St. Louis. 290 feet north of North St., 45 feet east of Mill St. Records available: 1947-50. Measurement discontinued. Oct. 30, 35.45; Nov. 29, 39.03; Dec. 27, 39.35.

Village of Ithaca

Gr IH 1. Village of Ithaca. 180 feet north of Center St., 45 feet east of Maple St. Records available: 1947-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	81.18	80.32	80.15	80.07	80.05	80.62	80.39	80.68	80.45	79.92	.....
2	.....	81.05	80.52	80.24	80.12	80.14	80.51	80.44	80.74	80.42	79.88	79.49
3	80.86	81.12	80.64	80.08	80.06	80.01	80.54	80.49	80.73	80.33	80.08	79.46
4	80.97	81.09	80.75	80.07	80.06	80.09	80.43	80.54	80.72	80.35	79.99	79.56
5	.....	e81.25	80.43	80.23	80.01	80.01	80.50	80.58	80.85	80.30	79.84	79.83
6	.....	.....	80.64	80.53	79.85	80.06	80.54	80.62	80.09	80.25	79.80	79.95
7	.....	.....	80.46	80.49	80.17	80.40	80.60	80.67	80.85	80.17	80.01	79.69
8	81.65	.....	80.02	.....	80.47	81.08	80.66	80.58	80.75	e80.10	79.93	79.59
9	81.15	.....	80.40	80.45	80.22	80.89	80.68	80.53	80.67	80.02	79.74	79.70
10	81.10	.....	80.73	80.32	79.98	80.96	80.65	80.50	80.61	80.00	80.03	e79.65
11	e81.35	.....	80.52	79.81	80.23	81.27	80.63	80.60	80.54	80.05	80.13	.....
12	.....	.....	80.50	80.13	80.20	81.02	80.50	80.67	80.55	79.93	80.27	.....
13	.....	.....	80.43	80.20	80.01	80.80	80.45	80.69	80.52	80.13	80.13	.....
14	.....	.....	80.48	80.28	80.11	81.05	80.63	80.64	80.52	80.21	80.20	.....
15	81.38	.....	80.42	80.28	79.98	81.20	80.64	80.55	80.51	80.24	79.99	.....
16	81.33	.....	80.58	80.25	80.17	81.08	80.60	80.55	80.58	80.32	79.76	.....
17	81.38	80.84	80.44	80.03	80.20	81.15	80.52	e80.60	80.70	80.20	79.89	.....
18	.....	80.80	80.36	80.08	80.18	81.18	80.43	80.60	80.69	80.21	79.85	.....
19	.....	80.69	80.69	80.04	80.22	80.54	80.55	80.58	80.49	80.05	79.68	79.64
20	.....	80.92	80.57	80.06	80.24	80.41	80.40	80.61	80.59	80.08	79.63	79.86
21	.....	80.73	80.37	80.10	80.22	80.47	80.54	80.61	80.50	80.05	79.93	.....
22	.....	80.52	80.28	80.15	80.08	80.94	80.54	80.57	80.35	80.04	79.84	.....
23	81.07	80.36	80.13	79.95	80.06	80.77	80.51	80.58	80.20	80.05	79.70	.....
24	80.98	80.43	80.28	80.02	80.11	80.60	80.42	80.70	80.50	e80.15	79.90	.....
25	80.75	80.68	80.25	79.93	80.09	80.58	80.49	80.68	80.43	80.13	80.02	.....
26	81.09	80.63	80.40	79.85	80.13	80.45	80.53	80.75	80.50	80.25	e79.35	.....
27	81.28	80.73	79.93	80.04	80.23	80.44	80.48	80.68	80.55	80.15	.....	79.63
28	81.11	80.47	79.79	80.17	80.15	80.58	80.47	80.63	80.51	80.01	.....	79.53
29	80.68	.....	80.17	80.27	80.09	80.50	80.42	80.59	80.53	80.05	.....	79.38
30	81.18	.....	80.58	80.22	80.10	80.49	80.43	80.73	80.49	80.08	.....	79.44
31	81.02	.....	80.53	.....	80.01	.....	80.43	80.69	.....	79.98	.....	79.42

e Estimated.

Village of Perrinton

Gr PE 1. Glenn Corson. 100 feet east of Robinson St., 70 feet north of South St. Records available: 1947-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.49	15.25	16.47	10.73	9.65	.....	16.45	15.63	.....	11.48	14.76	14.13
2	19.36	15.27	16.46	9.08	e9.93	.....	16.50	e15.63	.....	11.64	14.75	14.18
3	19.12	15.30	16.50	8.38	10.21	.....	16.53	.....	.....	11.77	14.88	13.40
4	17.58	15.38	16.57	7.03	10.44	.....	16.57	15.72	.....	11.92	14.88	11.67
5	16.97	15.49	16.58	.....	10.69	15.03	e16.60	15.75	.....	12.06	14.89	11.22

Gr PE 1--Continued.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	16.76	15.54	16.52	6.46	10.87	15.07	16.65	15.82	15.14	12.20	14.91	11.08
7	16.65	15.59	16.52	6.87	11.11	15.16	16.71	15.88	15.16	12.33	14.96	10.98
8	e16.64	15.72	16.37	7.34	11.41	15.26	16.77	15.94	15.17	12.44	15.04	8.92
9	16.62	15.78	16.30	7.70	11.63	15.35	16.83	15.99	15.18	12.57	15.07	8.90
10	16.57	15.84	16.35	.....	11.77	15.40	16.89	16.04	e15.18	12.67	15.11	8.98
11	16.57	15.90	16.37	.....	11.97	15.46	16.93	16.09	e15.18	12.79	15.21	9.10
12	e16.69	16.01	16.31	7.75	12.13	15.55	16.97	e16.17	15.13	12.88	15.29	.....
13	16.71	16.13	16.30	7.85	12.26	15.63	16.98	16.25	14.88	12.99	15.36	.....
14	15.89	16.18	16.26	8.17	12.38	15.67	17.00	16.32	.....	13.13	15.41	.....
15	15.26	16.13	16.23	8.58	12.49	15.74	17.05	16.38	10.96	13.24	15.45	10.07
16	15.00	16.16	16.24	8.92	12.63	15.80	17.09	16.41	10.72	13.39	15.40	10.17
17	14.98	16.20	16.23	9.21	12.79	15.84	17.09	16.46	10.66	13.51	15.28	10.40
18	14.92	16.28	16.13	9.46	12.94	15.93	17.02	16.50	10.74	13.62	15.20	10.65
19	14.97	16.29	16.17	9.72	13.10	15.99	17.01	16.53	10.82	13.72	15.08	10.88
20	e15.12	16.37	16.21	e9.96	13.25	16.02	16.91	16.53	10.87	13.80	14.95	11.05
21	15.25	16.43	16.19	.....	13.41	16.04	16.77	16.65	10.90	13.91	14.84	11.39
22	15.35	16.40	16.15	.....	13.55	16.13	16.59	16.67	10.85	13.99	14.67	11.42
23	15.43	16.37	16.04	.....	e13.69	16.17	16.40	16.71	.....	14.08	14.52	11.57
24	15.56	16.35	15.99	11.34	13.85	16.19	16.22	16.76	.....	14.20	14.40	11.66
25	15.62	e16.38	15.92	11.35	13.98	16.23	16.06	16.81	10.54	14.29	e14.33	11.79
26	15.61	e16.45	15.86	9.09	14.12	16.28	15.96	16.33	10.63	14.43	14.18	11.90
27	15.57	16.51	15.35	8.69	14.28	16.31	15.86	e16.13	10.81	14.54	14.10	12.14
28	e15.48	16.55	12.30	8.80	14.41	16.34	15.78	.....	10.97	14.60	14.09	12.20
29	.....		11.29	9.09	14.50	16.38	15.71	.....	11.15	14.66	14.12	12.29
30	.....		10.95	9.37	14.57	16.41	15.67	.....	11.32	14.72	14.11	12.40
31	.....		10.86	e14.61			15.64	.....		14.75		12.51

e Estimated.

Pine River Township

Gr Pr 16. Keith Knudson. Formerly Thomas Thompson. In SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 12 N., R. 3 W., 330 feet south of Ann Arbor Railroad crossing, 90 feet west of Smith Road. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	24.18	Apr. 28	23.39	July 25	23.59	Oct. 30	24.00
Feb. 17	24.17	May 26	23.52	Aug. 29	23.89	Nov. 29	24.06
Mar. 24	24.10	June 28	23.61	Sept. 25	23.82	Dec. 27	23.69

Ingham County

City of Lansing

Ig LS 3. City of Lansing well P-5. Northwest corner of crossing of Pennsylvania Ave. and Grand Trunk Western Railway tracks. Records available: 1930-50.

Jan. 27	32.44	Apr. 24	28.14	July 27	35.89	Oct. 25	39.60
Feb. 23	31.41	May 31	30.55	Aug. 30	37.85	Nov. 27	39.00
Mar. 29	29.79	June 29	33.22	Sept. 27	38.18	Dec. 26	36.86

Ig LS 4. City of Lansing well P-9. About 500 feet east of Pennsylvania Ave., north of Grand Trunk Western Railway tracks. Records available: 1930-50.

Jan. 27	38.83	Apr. 24	32.94	Aug. 30	45.50	Nov. 27	47.32
Feb. 23	37.41	May 31	35.59	Sept. 27	46.20	Dec. 26	45.30
Mar. 29	35.98	July 27	42.09	Oct. 25	47.49		

Ig LS 5. City of Lansing well RS-7. North of Red Cedar River, on approximate line of Mifflin Ave. Records available: 1930, 1932, 1936-50.

Jan. 3	38.03	May 4	42.70	Aug. 3	31.20	Nov. 4	72.86
Mar. 5	37.36	June 8	58.53	Sept. 7	30.20	Dec. 8	51.86
Apr. 4	39.03	29	100.74	Oct. 5	41.11		

Ig LS 6. City of Lansing, Logan well at Lapeer and Logan Sts. Records available: 1929, 1931, 1933-50.

Jan. 27	126.75	Apr. 26	125.15	July 27	132.26	Oct. 26	132.97
Feb. 23	126.35	May 31	125.36	Aug. 30	132.78	Nov. 28	132.14
Mar. 29	126.48	June 29	131.38	Sept. 27	131.51	Dec. 26	130.59

Ig LS 7. City of Lansing, Seymour well, about 500 feet east of Grand River Ave., on north side of Josephine St. Records available: 1919, 1929-50.

Jan. 27	106.05	May 31	104.82	Aug. 30	116.73	Nov. 27	115.42
Feb. 23	104.79	June 29	115.58	Sept. 27	115.83	Dec. 26	112.86
Apr. 26	102.61	July 27	111.84	Oct. 26	117.77		

Ig LS 8. City of Lansing. Townsend Street well, 110 feet east of Townsend St., 14 feet north of Olds Ave. extended. Records available: 1919, 1929-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	40.72	Apr. 26	39.76	July 27	46.22	Oct. 26	45.95
Feb. 23	40.96	May 31	41.91	Aug. 30	47.01	Nov. 28	44.49
Mar. 29	41.48	June 29	45.65	Sept. 27	45.88	Dec. 26	42.58

Ig LS 9. City of Lansing. 280 feet west of Cedar St., 250 feet south of Jay St. Records available: 1945-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	54.75	61.25	62.89	63.39	60.70	63.28	63.59	63.55	63.44	62.52	63.53	63.41
2	53.65	61.58	63.19	61.96	61.52	63.34	63.59	63.41	63.58	62.73	63.69	63.36
3	54.32	61.95	63.22	61.85	61.80	63.28	61.18	63.44	61.79	63.37	63.42	62.35
4	56.51	61.49	63.24	62.56	61.94	63.30	59.77	63.49	60.68	63.20	63.40	62.46
5	57.78	60.88	61.77	62.88	62.25	63.22	61.63	63.48	60.19	63.28	62.72	62.94
6	58.34	60.57	62.00	63.06	62.58	63.43	62.80	63.44	61.58	63.34	62.70	63.15
7	58.72	60.61	62.86	63.08	62.83	63.40	63.34	62.37	62.47	63.35	63.31	63.15
8	57.38	60.66	63.28	63.08	62.25	63.42	63.43	63.80	63.47	62.72	63.35	63.32
9	56.98	60.41	63.48	62.74	62.12	63.47	63.48	63.52	63.68	62.97	63.34	63.35
10	58.34	60.51	63.43	62.38	62.32	63.50	63.46	63.47	63.66	63.28	63.41	62.30
11	59.16	60.43	63.44	62.38	62.45	63.53	63.57	63.42	63.07	63.35	63.42	62.35
12	59.39	59.91	62.30	62.71	62.54	62.52	63.53	63.41	63.68	63.33	63.41	62.74
13	59.63	59.14	62.05	62.83	62.77	63.35	63.59	62.60	63.47	63.38	63.39	62.97
14	59.94	59.05	63.05	62.83	63.02	63.48	63.42	63.41	63.52	63.39	63.40	63.08
15	59.79	59.14	63.42	62.92	62.34	63.65	63.42	64.65	63.59	62.66	63.39	63.15
16	59.87	59.10	63.46	62.54	63.05	63.51	63.32	63.70	63.43	62.70	63.35	63.24
17	60.29	59.13	63.50	62.49	62.72	63.53	62.92	63.45	63.42	63.20	63.46	62.26
18	60.34	60.67	63.58	62.55	62.76	63.20	65.20	63.09	62.40	63.40	63.40	62.43
19	60.86	59.73	62.25	62.54	62.93	61.70	63.49	62.37	63.02	63.42	63.38	62.76
20	61.17	59.77	62.05	62.77	63.02	62.92	63.48	62.92	63.38	63.48	63.37	62.99
21	61.27	60.44	62.80	62.66	63.07	63.40	63.58	62.38	63.34	63.29	63.40	63.15
22	58.13	61.12	63.47	62.65	63.24	63.46	63.62	63.64	63.36	63.43	63.39	63.14
23	57.05	61.60	63.59	62.31	63.20	63.55	63.39	62.87	63.37	62.60	63.42	62.71
24	58.68	61.94	63.58	62.15	63.37	63.63	62.71	64.80	62.39	63.08	63.43	62.03
25	.....	62.37	63.59	62.08	63.41	63.52	64.90	63.46	61.90	63.29	62.86	61.81
26	.....	61.70	61.88	62.18	63.48	63.45	63.56	63.41	62.67	63.34	62.52	61.39
27	.....	61.74	61.85	62.22	63.28	62.57	63.45	63.53	63.18	63.33	62.95	62.17
28	61.07	62.42	62.67	62.32	63.07	63.43	63.48	62.91	63.18	63.41	63.14	62.52
29	60.68	.....	63.32	62.35	63.13	63.38	63.47	64.05	63.38	63.43	63.30	62.77
30	58.39	.....	63.42	61.50	62.75	63.61	63.55	63.43	63.38	62.93	63.33	62.49
31	60.60	.....	63.40	.....	62.54	.....	63.43	63.48	.....	63.39	.....	61.97

Ig LS 51. General Motors Corp., Oldsmobile Drop Forge. 65 feet west of Verlinden Ave., 30 feet south of Osborn Rd. Records available: 1946-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	127.7	127.7	128.7	123.4	122.3	130.4	130.4	131.7	.....	.....	.....
2	.....	127.6	.....	.....	125.4	126.6	125.7	130.5	130.3	.....	.....	.....
3	123.5	e127.3	.....	.....	125.5	126.7	124.4	130.8	126.3	.....	.....	.....
4	124.3	.....	.....	.....	126.2	126.7	123.7	.....	e125.0	.....	.....	.....
5	124.9	.....	.....	.....	126.1	123.0	124.5	.....	.....	.....	.....	.....
6	125.1	125.9	125.2	.....	125.9	125.9	127.0	.....	.....	.....	.....	.....
7	125.0	126.4	126.5	.....	123.2	127.0	128.7	.....	127.4	.....	.....	.....
8	122.7	126.9	126.5	.....	122.8	126.9	129.5	.....	129.5	.....	.....	.....
9	.....	126.7	127.4	.....	125.7	127.5	129.6	.....	129.8	.....	.....	.....
10	125.2	e126.9	.....	125.5	126.0	127.4	125.9	132.0	128.6	.....	.....	.....
11	.....	.....	.....	125.5	126.4	127.4	129.8	.....	125.8	.....	.....	.....
12	.....	.....	.....	126.1	126.3	124.0	129.6	.....	129.7	.....	.....	.....
13	.....	124.7	125.6	126.8	125.7	.....	129.9	.....	130.5	.....	.....	.....
14	.....	125.3	.....	127.3	123.4	.....	129.8	.....	130.5	.....	.....	.....
15	.....	126.0	.....	127.6	122.1	129.8	129.9	.....	.....	.....	.....	.....
16	.....	126.0	.....	.....	125.9	129.8	129.6	.....	.....	.....	.....	.....
17	127.1	126.3	.....	125.0	126.7	129.9	125.8	131.7	.....	.....	.....	.....
18	.....	126.3	.....	126.0	126.9	129.3	128.7	130.7	.....	.....	.....	.....
19	.....	.....	.....	126.4	127.9	126.2	130.4	133.0	.....	.....	.....	.....
20	.....	125.3	125.2	126.7	127.6	128.8	130.4	131.2	.....	.....	.....	.....
21	.....	126.5	126.3	126.8	124.6	129.1	131.1	127.9	.....	.....	.....	.....
22	.....	127.3	126.9	126.7	124.1	129.9	131.1	131.8	.....	.....	.....	.....
23	.....	127.1	127.6	124.4	.....	130.3	131.0	131.7	.....	.....	.....	.....
24	126.8	127.8	128.0	123.2	.....	130.5	e126.0	e132.1	.....	.....	.....	.....
25	127.0	127.9	.....	126.0	128.5	129.5	.....	133.1	.....	130.38	.....	.....

Ig LS 51--Continued.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	126.0	.....	.....	126.7	128.6	125.8	.....	132.9	.....	.....	.....	129.01
27	e127.0	126.4	.....	126.8	128.4	129.7	131.1	129.1	.....	.....	.....	.....
28	126.8	127.2	.....	127.5	123.7	130.0	130.8	127.3	130.53	.....	130.69	.....
29	.....	.....	127.7	127.5	122.4	130.1	131.1	130.7	.....	.....	.....	.....
30	125.7	.....	128.4	124.3	122.1	130.2	131.0	131.7	.....	.....	.....	.....
31	e127.4	.....	128.4	.....	.....	.....	.....	131.9	.....	.....	.....	.....

e Estimated.

Ig LS 60. Consumers Power Co. gas plant. About 480 feet west of Chestnut St., 15 feet south of Grand River. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	103.09	Apr. 24	97.79	July 27	107.90	Oct. 25	110.44
Feb. 23	101.44	May 31	98.53	Aug. 30	111.61	Nov. 27	107.45
Mar. 29	100.54	June 29	108.55	Sept. 27	108.72	Dec. 26	106.16

Ig LS 76. Lansing Co. About 230 feet west of Cedar St., 255 feet south of Saginaw St. Records available: 1944-50.

Jan. 27	104.44	Apr. 24	100.58	July 27	103.70	Oct. 25	104.39
Feb. 23	100.91	May 31	103.63	Aug. 30	104.92	Nov. 27	104.76
Mar. 29	103.72	June 29	103.43	Sept. 27	104.79	Dec. 26	104.93

Ig LS 110. City of Lansing. About 150 feet west of Cedar St., 50 feet south of Jay St. Records available: 1944-50.

Jan. 27	94.92	Apr. 24	75.70	July 27	97.72	Oct. 25	95.36
Feb. 23	100.12	May 31	76.75	Aug. 30	97.32	Nov. 27	96.51
Mar. 29	105.12	June 29	85.19	Sept. 27	94.27	Dec. 26	88.42

Ig LS 157. City of Lansing well Pm-12. 145 feet north of Main St., 36 feet west of Fairview St. Records available: 1944-50. Jan. 27, 60.81.

Ig LS 182. Atlas Drop Forge Co. Well 2 in southwest quadrant of intersection of Davis Ave. extended and Mount Hope Ave. Records available: 1944-46, 1948-50.

Jan. 27	36.69	Apr. 24	50.25	July 27	38.34	Oct. 26	39.74
Feb. 23	35.86	May 31	37.24	Aug. 30	39.33	Nov. 27	52.48
Mar. 29	51.82	June 29	55.03	Sept. 27	38.30	Dec. 26	36.73

City of Mason

Ig MS 30. City of Mason. 40 feet west of Jefferson Ave., 675 feet north of intersection with Okemos St. Records available: 1948-50.

Jan. 4	2.14	Apr. 10	0.80	July 10	3.67	Oct. 7	4.19
11	2.21	17	.77	17	4.27	14	4.08
18	2.14	24	.60	24	4.37	21	4.23
25	1.94	May 1	1.38	31	4.42	28	4.35
Feb. 1	1.87	8	1.72	Aug. 7	4.29	Nov. 4	4.88
8	1.79	15	2.35	14	4.18	11	4.18
15	1.40	22	3.12	21	3.90	18	3.18
22	1.43	29	3.59	28	3.93	25	3.30
Mar. 1	1.38	June 5	2.09	Sept. 4	3.86	Dec. 2	3.20
8	1.19	12	2.28	11	3.91	9	3.08
13	.92	19	2.06	18	3.99	16	2.92
20	1.34	26	2.90	23	4.08	23	3.00
27	1.98	July 3	3.08	30	4.13	30	2.89
Apr. 3	.86						

Delhi Township

Ig Dh 12. F. H. Kraus. 80 feet south of Miller Rd. and 600 feet east of Grovenburg. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 3 N., R. 2 W. Drilled unused well, diameter 3 inches, depth 72 feet. Records available: 1950.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.43	11.71	12.26	12.74	13.21	13.46	13.77	.....
2	10.51	11.75	12.23	12.78	13.24	13.46	13.78	.....
3	10.50	11.61	12.32	12.81	13.24	13.50	13.87	.....

Ig Dh 12--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	13.81	.....	.....	e11.48	10.53	11.60	12.29	12.83	13.25	13.52	13.81	.....
5		.....	.....	e11.35	10.56	11.58	12.37	12.85	13.31	13.52	13.81	.....
6	.....	.....	12.97	.....	10.58	11.63	12.40	12.87	13.31	13.52	13.82	.....
7	.....	.....	12.85	e11.26	10.75	11.73	12.44	12.89	13.31	13.51	13.92	.....
8	.....	.....	12.62	e11.19	10.93	11.76	12.47	12.92	13.32	13.53	13.83	.....
9	.....	.....	12.68	.....	10.85	11.81	12.50	12.94	13.33	13.52	.....	.....
10	13.63	.....	12.72	e11.22	10.82	11.73	12.52	12.96	13.36	13.51	.....	.....
11	.....	13.13	12.59	10.90	10.98	11.82	12.59	12.96	13.34	13.55	.....	.....
12	.....	.....	12.58	11.02	10.97	11.83	12.56	12.99	13.42	13.54	.....	.....
13	13.59	13.06	12.57	.....	10.93	11.84	12.59	13.00	13.38	13.62	.....	.....
14	13.41	13.03	12.60	.....	11.03	11.81	12.58	13.00	13.34	13.62	.....	.....
15	13.27	.....	12.58	.....	11.01	11.88	12.58	12.99	13.30	13.62	.....	.....
16	.....	.....	12.62	.....	.....	11.84	12.61	13.05	13.33	13.64	.....	.....
17	.....	.....	12.58	11.04	.....	11.94	12.61	13.08	13.34	13.63	.....	.....
18	.....	.....	12.55	11.05	.....	11.96	12.57	13.14	13.35	13.65	.....	.....
19	.....	.....	12.67	11.06	.....	11.89	12.61	13.07	13.28	13.64	.....	.....
20	.....	12.96	12.64	11.10	.....	11.95	12.52	13.11	13.34	13.68	.....	.....
21	.....	12.89	12.54	11.12	e11.35	11.99	12.57	13.13	13.31	13.67	.....	.....
22	.....	.....	12.49	11.18	e11.35	12.08	12.58	13.13	13.29	13.68	.....	.....
23	.....	.....	12.44	11.10	11.33	12.08	12.59	13.14	13.39	13.68	.....	.....
24	13.29	12.90	12.44	11.14	11.40	12.09	12.56	13.22	13.41	13.73	.....	.....
25	.....	.....	12.37	10.88	11.43	12.11	12.61	13.25	13.37	13.73	.....	.....
26	.....	.....	12.33	10.61	11.48	12.11	12.78	13.28	13.42	13.80	.....	13.15
27	.....	13.10	12.10	10.58	11.52	12.15	12.66	13.26	13.44	13.75	13.68	.....
28	.....	.....	.....	10.55	11.51	12.23	12.68	13.26	13.44	13.75	.....	.....
29	.....	.....	.....	10.50	11.53	12.19	12.69	13.19	13.47	13.79	.....	.....
30	.....	.....	.....	10.45	11.57	12.20	12.74	13.23	13.47	13.79	.....	.....
31	.....	.....	.....	.....	11.58	.....	12.74	13.21	13.78	.....	.....	.....

e Estimated.

Lansing Township

Ig Ls 10. Glen A. Ballans. In NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 4 N., R. 2 W., 86 feet south of Washtenaw St., 70 feet east of Hungerford St. Records available: 1945-50. Jan. 27, 93.01; Feb. 23, 82.69; Mar. 29, 89.70; Apr. 24, 90.98; May 31, 97.36.

Ig Ls 35. Tank Bros. Dairy. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 4 N., R. 2 W., about 0.5 mile east of Waverly Rd., 280 feet north of Willow St. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	67.83	Apr. 26	66.99	July 27	67.15	Oct. 25	67.68
Feb. 23	67.15	May 31	66.83	Aug. 30	67.42	Nov. 27	67.68
Mar. 29	66.53	June 29	67.09	Sept. 27	67.57	Dec. 26	68.04

Ig Ls 265. Frank Clever. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 4 N., R. 2 W., about 900 feet west of Harrison Rd., 350 feet south of main line of Grand Trunk Western Railway. Records available: 1945-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.28	44.80	43.45	.....	41.51	44.35	48.68	48.10	45.94	49.91	50.40	47.72
2	39.10	45.23	43.95	.....	42.05	44.99	46.92	47.65	47.90	49.27	51.65	48.67
3	38.67	45.48	44.05	40.32	42.35	44.88	45.60	49.04	48.45	48.95	52.41	46.83
4	38.99	45.62	43.99	41.50	42.53	43.61	44.47	49.72	48.21	49.76	52.68	45.85
5	39.82	44.13	42.46	42.17	42.77	43.00	43.70	49.68	47.85	50.26	50.76	45.64
6	41.43	42.91	42.02	42.65	42.90	43.73	44.80	49.38	47.39	50.34	49.37	47.68
7	42.24	43.76	42.92	42.90	42.02	45.70	46.14	48.91	47.26	50.63	51.15	47.60
8	42.09	44.20	43.30	42.88	41.41	45.05	47.89	48.87	47.26	49.10	52.33	47.92
9	41.48	44.81	43.78	41.75	44.15	46.52	48.74	48.80	47.54	49.14	53.02	48.07
10	42.50	44.69	43.83	40.61	45.26	46.31	49.07	49.68	47.33	49.40	52.68	46.44
11	44.08	45.49	43.70	40.95	45.73	45.16	50.17	50.31	.....	51.20	52.75	45.71
12	44.85	43.87	42.46	41.65	46.04	45.00	51.92	50.87	.....	52.26	50.22	46.41
13	44.50	42.93	41.61	42.00	46.30	45.23	54.59	50.79	.....	52.85	49.06	46.98
14	44.77	43.45	42.40	42.68	45.40	44.93	54.05	50.23	44.77	53.10	49.91	47.48
15	43.52	44.17	42.95	42.42	43.61	45.42	52.74	50.87	44.88	51.70	51.36	47.02
16	42.55	44.56	43.72	41.33	42.15	44.72	52.89	50.18	44.74	49.03	51.94	45.95
17	43.70	44.81	43.08	40.62	42.53	44.71	52.00	49.08	44.51	50.54	51.05	44.81
18	44.55	44.97	43.20	41.75	43.09	44.06	51.30	49.40	44.26	50.90	50.33	43.95
19	45.25	43.00	42.22	42.18	43.69	43.18	51.02	49.72	44.12	50.45	48.63	43.40
20	45.43	42.14	41.42	43.10	43.87	44.27	50.78	49.10	44.76	50.92	47.71	43.15

Ig Ls 265--Continued.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	45.48	43.28	41.80	43.20	43.80	45.41	50.71	48.18	45.36	51.31	48.50	42.80
22	43.74	43.66	41.23	43.57	42.25	44.45	50.38	47.62	45.78	49.45	49.00	42.55
23	41.68	43.49	41.73	42.03	45.00	46.72	50.07	49.02	48.77	47.92	47.65	42.45
24	44.05	43.78	42.72	41.37	46.17	48.22	48.63	50.50	50.40	48.90	46.71	42.02
25	44.40	44.15	41.81	42.99	46.50	46.90	48.63	51.67	50.55	49.88	45.70	41.77
26	45.05	43.78	39.92	42.94	46.80	45.77	49.50	51.40	50.94	50.94	44.43	41.32
27	45.50	42.00	39.45	43.95	46.01	46.81	48.75	49.81	50.52	51.01	44.06	41.35
28	45.45	42.60	39.09	43.78	44.61	47.85	49.78	48.62	50.95	50.17	44.12	41.21
29	43.57		39.85	43.78	43.85	48.22	50.62	47.84	50.84	47.85	45.75	41.24
30	42.82		40.65	42.44	44.63	48.63	49.51	46.80	50.44	46.09	46.68	41.27
31	43.56		41.08		43.42		48.31	46.03		48.41		41.15

Ig Ls 266. Michigan State College. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 4 N., R. 2 W., about 360 feet south of Mount Hope Ave., 190 feet east of Harrison Rd. Records available: 1944-50. Jan. 27, 32.03; Feb. 23, 31.03; Mar. 29, 29.36; Apr. 24, 29.31; May 31, 29.33.

Ig Ls 270. Harris L. Fleming. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 4 N., R. 2 W., about 90 feet north of Irvington St., 100 feet west of Pennsylvania Ave. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	22.69	Apr. 24	21.80	July 27	23.57	Oct. 25	24.33
Feb. 23	22.81	May 31	22.67	Aug. 30	23.86	Nov. 27	24.02
Mar. 29	21.79	June 29	23.38	Sept. 27	24.05	Dec. 26	23.54

Ig Ls 271. Harry De Laere. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 4 N., R. 2 W., about 305 feet east of Waverly Rd., 25 feet north of Maybel St. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	22.50	Apr. 24	20.22	July 27	21.69	Oct. 25	23.60
Feb. 23	21.78	May 31	20.69	Aug. 30	22.14	Nov. 27	22.56
Mar. 29	21.35	June 29	21.33	Sept. 27	22.36	Dec. 26	22.03

Ig Ls 805. Waverly Hills Association. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 4 N., R. 2 W., about 500 feet east of Waverly Rd., 20 feet north of bank of Grand River. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	1.33	Apr. 24	0.20	July 27	1.95	Oct. 25	1.85
Feb. 23	1.41	May 31	1.20	Aug. 30	1.84	Nov. 27	1.84
Mar. 29	0.0	June 29	1.57	Sept. 27	1.88	Dec. 26	1.90

Meridian Township

Ig Mr 3. Fuller Real Estate. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 4 N., R. 1 W., 660 feet south of Lake Lansing Rd. 125 feet east of Hagadorn Rd. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	64.02	Feb. 13	63.67	Mar. 27	60.62	May 1	62.46
10	64.12	20	63.62	29	60.52	8	62.66
17	64.32	Mar. 6	62.08	Apr. 10	60.15	15	63.33
24	64.30	13	61.45	17	59.97	31	63.32
27	64.19	20	61.29	26	61.73	June 8	63.18
Feb. 6	63.78						

Iosco County

Wilbur Township

Ic Wr 1. U. S. Forest Service. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 23N., R. 7 E., 610 feet west of east section line, 302 feet north of Gordon Creek. Records available: 1948-50.

Daily 2 a. m. water level from recorder graph

Day	Jan.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.85	.....	27.52	27.44	27.27	27.24	27.11	27.22	27.25	27.16	27.23
2	27.80	27.64	27.47	27.46	27.30	27.21	27.10	27.26	27.26	27.13	27.25
3	27.06	27.66	27.44	27.44	27.25	27.22	27.10	27.26	27.22	27.27	27.11
4	27.64	27.73	27.44	27.41	27.27	27.20	27.14	27.27	27.24	27.25	27.13
5	27.82	27.57	27.46	27.37	27.24	27.23	27.17	27.33	27.23	.....	27.27
6	27.85	27.70	27.61	27.26	27.24	.....	27.20	27.35	27.23	.....	27.32
7	27.82	27.65	27.61	27.38	27.31	.....	27.22	27.33	27.21	27.28	27.26
8	27.94	27.46	27.59	27.52	27.33	.....	27.21	27.32	27.18	27.27	27.08
9	27.76	27.58	27.66	27.43	27.32	.....	27.20	27.30	27.20	27.18	27.11
10	27.71	27.72	27.61	27.34	27.25	.....	27.19	27.29	27.16	27.27	27.10

Ic Wr 1--Continued.

Daily 2 a. m. water level, from recorder graph											
Day	Jan.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	27.83	27.65	27.39	27.42	27.31	27.31	27.23	27.26	27.16	27.31	27.12
12	27.90	27.64	e27.51	27.39	27.32	27.26	27.27	27.20	27.10	27.36	27.08
13	27.81	27.63	27.56	27.30	27.26	27.20	27.28	27.19	27.19	.....	27.08
14	27.60	27.64	27.58	27.33	27.28	27.26	27.29	.....	27.24	27.32	27.12
15	27.84	27.61	27.59	27.29	27.31	27.28	27.25	.....	27.28	27.29	27.11
16	27.76	27.70	27.58	27.36	27.26	27.25	27.20	.....	27.32	27.22	27.15
17	27.90	27.64	27.50	27.37	27.30	27.22	27.21	.....	27.28	27.25	27.17
18	.....	27.57	27.50	27.36	27.33	27.22	27.26	.....	27.29	27.28	27.22
19	.....	27.72	27.47	27.38	27.26	27.28	27.22	27.17	27.23	27.20	.....
20	.....	27.71	27.47	27.39	27.22	27.20	27.22	27.17	27.26	27.19	.....
21	.....	27.64	27.48	27.38	27.24	27.24	27.24	27.14	27.24	27.29	.....
22	.....	27.59	27.51	27.34	27.27	27.25	27.23	27.10	27.24	.....	.....
23	.....	27.53	27.43	27.32	27.22	27.24	27.22	27.06	27.25	.....	.....
24	.....	27.58	27.47	27.33	27.14	27.21	27.28	27.17	27.25	.....	.....
25	.....	27.58	27.45	27.30	27.20	27.17	27.26	27.15	27.25	.....	.....
26	.....	27.65	27.36	27.31	27.18	27.20	27.31	27.19	27.33	.....	.....
27	.....	27.46	27.42	27.34	27.14	27.19	27.26	27.22	.....	.....	27.22
28	.....	27.36	27.47	27.32	27.20	27.19	27.25	27.22	.....	27.22	.....
29	.....	27.50	27.52	27.31	27.18	27.14	27.21	27.25	.....	27.21	.....
30	.....	27.68	27.52	27.29	27.17	27.14	27.23	27.24	.....	27.14	.....
31	.....	27.66	.....	27.22	.....	27.11	27.22	.....	27.20	.....	.....

e Estimated.

Kalamazoo County

City of Kalamazoo

Ko KO 114. City of Kalamazoo, Burdick St. Station. 165 feet east of Burdick St., 40 feet south of Wall St. extended. Records available: 1946-50.

Daily 2 a. m. water level, from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.9	19.2	18.5	15.0	13.3	15.4	16.1	16.9	e18.3	.....	17.65	17.18
2	20.8	19.1	18.5	14.8	13.4	15.4	16.0	16.9	18.6	.....	17.71	17.23
3	20.7	19.2	18.4	14.8	13.5	15.2	16.0	16.9	18.4	.....	17.73	17.09
4	20.6	19.0	18.3	14.6	13.6	14.9	15.9	e17.0	17.9	.....	17.75	16.96
5	20.7	19.1	18.1	14.4	13.7	14.9	15.9	17.0	18.0	.....	17.78	16.92
6	20.6	18.9	17.9	14.3	13.8	14.8	15.9	17.0	18.0	17.9	17.69	16.92
7	20.5	18.9	17.8	14.1	13.9	14.9	15.9	17.0	18.0	17.85	17.62	16.86
8	20.6	18.9	17.7	14.0	14.0	15.1	16.0	17.1	18.1	17.82	17.61	16.79
9	20.4	18.9	17.5	14.0	14.0	15.3	16.0	17.3	18.2	17.75	17.60	16.78
10	20.4	18.9	17.5	13.9	14.1	15.4	16.1	17.2	18.2	17.72	17.60	16.71
11	20.4	18.9	17.4	13.9	14.1	15.4	16.2	17.4	18.2	17.71	.....	16.64
12	20.3	19.0	17.3	14.3	14.2	15.4	17.4	17.4	18.1	17.74	.....	16.61
13	20.3	18.9	17.2	14.2	14.3	15.6	18.1	17.5	18.1	17.81	.....	16.61
14	20.2	18.8	17.1	14.2	14.4	15.6	17.3	17.4	e18.1	17.84	.....	16.61
15	20.1	18.9	17.0	14.2	14.5	15.6	17.0	17.6	....	17.85	.....	16.58
16	19.9	18.8	17.0	14.2	14.5	15.5	17.0	17.8	18.2	17.79	.....	e16.60
17	19.8	18.8	17.1	14.1	14.7	15.9	16.9	17.9	....	17.73	17.88	16.54
18	19.7	18.8	17.0	14.2	14.9	15.7	16.8	18.4	....	17.74	17.77	16.57
19	19.7	18.8	17.0	14.4	15.0	15.7	16.8	18.2	....	17.79	17.73	16.49
20	19.7	18.8	16.9	14.5	15.2	15.5	16.7	18.0	....	17.85	17.67	16.51
21	19.6	18.7	16.8	14.5	15.3	15.6	16.7	18.0	....	17.83	17.59	16.57
22	19.5	18.7	16.8	14.7	15.3	15.7	16.7	17.9	17.8	17.86	17.53	16.48
23	19.4	18.7	16.7	14.7	15.2	15.7	16.7	17.9	17.8	17.79	17.50	16.51
24	19.3	18.7	16.8	14.6	15.2	15.8	16.6	18.2	....	17.78	17.52	16.49
25	19.3	18.7	16.7	14.2	15.3	15.8	16.6	18.5	....	17.80	17.50	16.50
26	19.4	18.8	16.7	13.7	15.2	15.6	16.7	18.9	....	17.79	17.33	16.41
27	19.3	18.6	16.4	13.6	15.3	15.6	16.9	18.7	....	17.76	17.25	16.42
28	19.3	18.6	16.0	13.6	15.3	15.7	e17.0	18.5	....	17.78	17.21	16.39
29	19.1		15.7	13.5	15.3	15.7	17.1	18.5	....	17.75	17.27	16.38
30	19.1		15.6	13.4	15.2	15.7	17.1	18.5	18.1	17.65	17.24	16.40
31	19.1		15.3		15.3		17.0	18.4		17.63		16.40

e Estimated.

Ko KO 136. Sutherland Paper Co. About 1,900 feet west of Pitcher St., 640 feet north of Patterson St. Records available: 1946-50.

Ko KO 136--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	8.46	Apr. 18	8.64	July 24	11.17	Oct. 27	15.53
Feb. 28	10.51	May 23	11.38	Aug. 28	14.89	Nov. 30	15.33
Mar. 28	6.26	June 19	10.27	Sept. 22	11.68		

Ko KO 211. Consumers Power Co. 150 feet east of Kings Highway extended, 65 feet north of Michigan Ave. Records available: 1946-50.

Jan. 31	11.13	Apr. 18	9.67	July 31	12.06	Oct. 27	13.44
Feb. 28	11.87	May 23	11.02	Aug. 28	13.18	Nov. 30	14.35
Mar. 28	9.20	June 26	11.64	Sept. 29	12.72	Dec. 29	13.09

Ko KO 227. Hanselman Building Corp. 100 feet north of Michigan Ave., 25 feet west of Burdick St. Records available: 1946-50.

Jan. 25	24.45	Apr. 18	22.05	July 31	24.02	Oct. 27	24.36
Feb. 21	23.93	May 23	21.48	Aug. 28	24.59	Nov. 24	24.06
Mar. 21	23.60	June 26	20.36	Sept. 22	23.10	Dec. 29	23.93

Ko KO 228. Wiggington Co. 275 feet north of Kalamazoo Ave., 140 feet east of Church St. Records available: 1946-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.78	21.55	21.09	20.96	18.73	19.42	20.08	20.70	21.42	.....	.....	.....
2	22.71	21.60	21.05	20.81	18.80	19.50	19.81	20.65	21.38	.....	.....	.....
3	22.63	21.60	21.11	20.70	18.75	19.54	19.47	20.87	21.20	.....	.....	.....
4	22.73	21.58	21.09	20.22	18.90	19.23	19.74	20.80	20.90	.....	.....	.....
5	22.78	21.45	20.94	20.68	18.92	19.12	19.61	20.80	21.00	.....	.....	.....
6	22.73	21.38	20.88	20.69	18.94	19.41	19.88	20.59	21.20	.....	.....	.....
7	22.75	21.48	20.97	20.59	18.75	19.51	19.97	20.50	21.35	.....	.....	.....
8	22.61	21.50	21.42	20.50	18.62	19.75	20.13	20.75	21.50	.....	.....	.....
9	22.53	21.51	21.65	20.34	18.62	19.60	19.99	20.90	21.56	.....	.....	.....
10	22.64	21.54	21.57	20.22	18.60	19.67	19.91	20.95	21.29	.....	.....	.....
11	22.70	21.45	21.47	20.21	18.71	19.53	20.36	20.13	21.13	.....	.....	.....
12	22.70	21.28	21.27	20.35	19.20	19.43	20.45	20.14	21.48	.....	.....	.....
13	22.68	21.43	21.00	20.38	19.13	19.50	20.52	20.63	21.51	.....	.....	.....
14	22.63	21.35	21.13	19.97	19.10	19.53	20.38	21.14	21.25	.....	.....	.....
15	22.44	21.32	21.11	20.12	18.95	19.58	20.47	20.90	21.20	.....	.....	.....
16	22.36	21.30	21.20	19.97	19.27	19.76	20.26	.....	.....	.....	.....	.....
17	22.50	21.34	21.19	19.86	18.74	19.77	20.18	.....	.....	.....	.....	.....
18	22.48	21.30	21.20	20.12	18.76	19.50	20.45	.....	.....	.....	.....	.....
19	22.52	21.20	21.04	20.05	18.74	19.45	20.40	.....	.....	.....	.....	.....
20	22.52	21.04	20.92	20.00	18.98	19.24	20.40	.....	.....	.....	.....	.....
21	22.48	21.21	21.01	20.02	18.60	19.37	20.52	21.50	.....	.....	.....	.....
22	22.28	21.21	21.12	20.00	18.55	19.95	20.45	21.20	.....	.....	.....	.....
23	22.20	21.20	21.09	19.80	19.15	19.95	20.32	21.34	.....	.....	.....	.....
24	21.90	21.22	.....	19.72	19.23	20.00	20.17	21.50	.....	.....	.....	.....
25	21.83	21.17	.....	19.35	19.32	19.77	20.42	21.50	.....	.....	.....	.....
26	21.83	21.04	.....	19.18	19.55	19.73	20.50	21.55	.....	.....	.....	.....
27	21.86	20.89	.....	19.13	19.47	19.90	20.52	21.45	.....	22.88	.....	.....
28	21.77	21.59	21.32	19.09	19.30	19.95	20.80	21.20	.....	.....	.....	.....
29	21.66	.....	21.07	19.06	19.15	20.03	20.92	21.30	22.28	.....	.....	22.74
30	21.58	.....	21.08	18.86	19.23	20.10	20.56	21.15	.....	.....	22.85	.....
31	21.51	.....	21.02	.....	19.17	.....	20.40	21.50	.....	.....	.....	.....

Ko KO 240. Reed Land Co. About 300 feet east of Factory St., 280 feet north of Lane Court extended. Records available: 1947-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	6.45	6.10	5.13	4.62	5.95	6.12	6.05	6.62	7.20	7.54	7.37
2	.....	6.48	6.11	4.91	4.80	5.99	6.11	6.06	6.64	7.21	7.55	7.38
3	.....	6.55	6.19	4.72	4.87	4.68	6.16	6.25	6.73	7.21	7.57	6.93
4	6.50	6.59	6.25	4.47	4.97	4.58	6.18	6.35	6.81	7.23	7.57	6.68
5	6.48	6.63	6.15	4.31	5.05	4.86	6.23	6.42	6.88	7.23	7.56	6.68
6	6.52	6.61	5.76	4.60	5.13	5.13	6.27	6.48	6.98	7.24	7.57	6.73
7	6.60	6.68	5.65	4.78	5.23	5.32	6.31	6.53	7.03	7.25	7.60	6.75
8	6.67	6.74	5.42	4.92	5.30	5.44	6.36	6.58	7.06	7.25	7.58	6.34
9	6.66	6.69	5.60	5.07	5.28	5.54	6.40	6.64	7.11	7.25	7.53	7.34
10	6.73	6.72	5.70	5.08	5.39	5.57	6.44	6.68	7.14	7.28	7.52	7.38

Ko KO 240--Continued.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	6.78	6.72	5.68	4.89	5.47	5.67	6.48	6.73	7.10	7.29	7.54	7.44
12	6.81	6.74	5.71	5.02	5.48	5.73	6.51	6.76	7.02	7.30	7.53	7.49
13	6.84	6.74	5.68	5.15	5.50	5.77	6.54	6.79	7.06	7.33	7.52	7.55
14	....	6.70	5.79	5.25	5.54	5.71	6.54	6.81	7.09	e7.33	7.56	7.61
15	....	6.20	5.83	5.34	5.54	5.79	6.57	6.84	....	e7.35	7.55	7.66
16	....	6.11	5.89	5.35	5.64	5.81	6.59	6.88	7.10	e7.36	7.39	....
17	....	6.17	5.91	5.34	5.68	5.89	6.41	6.92	7.11	e7.38	7.40	6.74
18	6.41	6.24	5.92	5.42	5.72	5.93	6.43	6.96	7.12	e7.40	7.40	6.77
19	6.45	6.23	5.93	5.47	5.77	5.87	5.97	6.97	7.00	e7.42	7.39	6.80
20	6.54	6.28	5.88	5.49	5.82	e5.93	5.89	6.99	6.98	7.46	7.38	6.82
21	6.57	6.29	5.95	5.55	5.82	e5.94	5.99	7.01	7.02	7.45	7.26	6.87
22	6.55	6.33	5.95	5.61	5.83	6.03	6.09	7.05	6.86	7.44	7.23	6.85
23	6.58	6.38	5.84	5.56	5.87	6.05	6.18	7.09	6.85	7.45	7.23	6.91
24	6.61	6.43	5.86	5.34	5.89	6.08	6.32	7.14	6.90	7.46	7.25	6.88
25	6.53	6.51	5.87	4.35	5.94	5.75	6.91	7.15	6.92	7.48	7.27	6.92
26	6.13	6.51	5.88	3.63	5.48	5.60	6.98	7.18	6.98	7.49	7.25	6.93
27	6.00	6.54	5.68	4.01	5.62	5.79	6.52	....	7.02	7.50	7.28	6.98
28	6.08	6.52	4.75	4.09	5.70	5.91	6.58	....	7.08	7.51	7.31	6.98
29	6.12	....	4.85	4.31	5.76	5.95	6.60	6.90	7.14	7.51	7.34	6.98
30	6.29	....	5.58	4.46	5.80	6.03	6.62	6.70	7.18	7.51	7.34	7.02
31	6.37	....	5.19	....	5.83	....	....	7.06	....	7.52	....	7.04

e Estimated.

Ko KO 242. Kalamazoo Creamery. 200 feet east of Portage St., 180 feet south of Lake St. Records available: 1946-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.01	19.98	19.38	16.87	14.05	15.49	16.45	17.62	18.93	19.36	20.11	20.92
2	21.92	19.91	19.20	16.67	14.03	15.58	16.47	17.55	18.94	19.36	20.08	20.74
3	21.82	19.87	19.19	16.46	13.98	15.45	16.59	17.59	18.96	19.40	20.09	20.83
4	21.79	19.84	19.28	16.37	13.98	....	16.60	16.01	18.99	19.41	20.08	20.84
5	21.78	19.79	19.11	16.15	14.15	....	17.14	16.68	19.03	19.44	20.07	20.85
6	21.77	19.71	19.07	15.98	14.18	15.26	16.69	16.69	19.06	19.45	20.06	20.80
7	21.73	19.75	19.33	15.80	14.19	15.59	16.76	17.73	19.09	19.48	20.44	20.71
8	21.55	19.74	19.27	15.75	14.24	15.60	16.78	17.85	19.12	19.49	20.48	20.17
9	21.42	19.67	18.83	....	14.14	15.52	17.09	17.97	19.17	19.49	20.47	20.20
10	21.52	19.73	18.79	....	14.22	15.45	17.08	18.09	19.19	19.53	20.35	20.27
11	21.39	19.79	18.74	15.52	14.30	15.77	17.10	18.24	19.21	19.55	20.45	19.94
12	21.29	19.67	18.56	15.31	14.85	15.82	17.10	18.03	19.25	19.58	20.34	19.96
13	21.30	19.61	18.43	15.22	14.92	15.57	17.14	18.04	19.26	19.63	20.29	20.35
14	21.20	19.65	18.44	15.17	14.45	15.63	....	18.07	19.27	19.65	20.48	20.30
15	20.99	19.54	18.33	15.13	14.42	15.80	....	18.12	19.27	19.67	20.69	20.13
16	20.94	19.56	18.28	15.08	14.56	15.87	....	18.33	19.29	19.69	20.78	....
17	20.91	19.48	18.22	15.01	14.61	16.13	....	18.37	19.30	19.73	20.87	19.75
18	20.77	19.46	18.21	15.02	14.72	15.80	17.56	18.39	19.28	19.76	20.39	19.72
19	20.71	19.40	18.16	15.03	15.01	15.79	17.37	18.35	19.25	19.84	20.29	19.69
20	20.65	19.36	18.06	15.04	14.97	15.84	17.29	18.41	19.26	19.81	20.25	19.69
21	20.57	19.28	18.08	15.05	14.88	16.46	17.24	18.43	19.24	19.85	20.87	19.65
22	20.46	19.26	18.14	15.09	14.88	16.42	17.24	18.49	19.21	19.79	20.59	19.75
23	20.40	19.25	18.02	15.02	14.99	16.28	17.22	18.57	19.19	19.80	20.38	19.67
24	....	19.34	18.05	15.00	15.57	16.24	17.20	18.64	19.29	19.83	20.34	19.56
25	20.41	19.33	18.00	14.74	15.68	16.18	17.35	18.70	19.24	20.02	20.32	19.58
26	20.34	19.26	17.87	14.55	15.40	....	17.42	18.88	19.25	19.94	20.16	19.54
27	20.33	19.25	17.68	14.43	15.32	16.25	17.40	18.81	19.26	20.01	20.25	19.64
28	20.17	19.37	17.52	14.33	15.38	16.27	17.63	18.83	19.28	20.00	20.47	19.68
29	20.05	....	17.40	14.20	15.52	16.31	17.53	18.94	19.32	19.96	20.72	19.65
30	20.07	....	17.26	14.10	15.35	16.36	17.51	18.97	19.35	19.96	20.49	19.77
31	19.94	....	17.10	....	15.39	....	17.53	19.02	....	20.00	....	e19.65

e Estimated.

Ko KO 284. St. Regis Paper Co. 240 feet north of Alcott St., 230 feet west of Portage St. Records available: 1946-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.45	39.31	38.63	36.95	34.64	35.34	35.84	36.67	37.73	38.05	38.21	38.23
2	40.32	39.27	38.62	36.92	34.68	35.38	35.77	36.67	37.76	38.06	38.27	38.15
3	40.17	39.33	38.57	e36.71	34.62	35.28	35.82	36.70	37.78	38.06	38.31	38.14
4	40.36	39.22	38.55	36.62	34.59	35.08	35.84	36.71	37.77	38.06	38.25	38.14
5	40.33	39.23	38.46	36.60	34.56	34.92	35.81	36.76	37.80	38.10	38.22	38.20

Ko KO 284--Continued.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	40.19	39.08	38.48	36.52	34.65	34.91	35.89	36.78	37.84	38.10	38.18	38.13
7	40.22	39.17	38.34	36.32	34.72	34.98	35.91	36.95	37.78	38.12	38.32	38.02
8	40.22	39.18	38.22	36.27	34.71	35.01	35.96	36.87	37.83	38.13	38.23	38.04
9	40.05	39.08	38.35	36.22	34.54	35.01	35.92	36.89	37.81	38.11	38.18	38.07
10	40.04	39.06	38.23	35.95	34.59	34.95	35.86	36.95	37.83	38.12	38.33	37.99
11	40.18	39.11	38.18	35.81	34.68	35.05	35.99	36.96	37.80	38.12	38.30	37.96
12	40.04	39.13	38.11	35.80	34.63	35.04	35.97	36.98	37.86	38.12	38.31	e37.94
13	39.96	38.97	37.97	35.75	34.61	35.09	35.95	37.16	37.87	38.24	38.21	e37.94
14	40.07	38.89	37.96	35.75	34.67	35.19	36.08	37.07	37.86	38.20	38.25	e37.97
15	40.05	38.90	38.11	35.67	34.64	35.24	36.10	37.10	37.87	38.25	38.17	37.90
16	39.93	38.89	37.93	35.62	34.79	35.26	36.12	37.17	37.92	38.22	38.14	37.95
17	39.87	38.89	37.82	35.51	34.81	35.41	36.16	37.24	37.96	38.24	38.25	37.93
18	39.68	38.84	37.88	35.52	34.86	35.45	36.28	37.28	37.93	38.26	38.24	37.94
19	39.78	38.85	37.84	35.50	34.89	35.37	36.38	37.26	37.91	38.26	38.16	37.93
20	39.73	38.82	37.70	e35.51	34.92	35.44	36.46	37.36	37.98	38.26	38.16	37.90
21	39.61	38.75	37.68	e35.51	34.94	35.49	36.38	37.36	37.96	38.21	38.34	37.93
22	39.56	38.73	37.63	e35.54	34.92	35.54	36.38	37.34	37.91	38.22	38.26	37.80
23	39.52	38.66	37.62	e35.47	35.09	35.54	36.54	37.37	37.94	38.19	38.24	37.88
24	39.46	38.69	37.59	e35.42	35.05	35.65	36.35	37.42	38.03	38.21	38.24	37.78
25	39.50	38.75	37.59	35.36	35.14	35.64	36.49	37.44	37.94	38.21	38.28	37.83
26	39.53	38.71	37.56	35.25	35.20	35.57	36.54	37.50	37.98	38.25	38.00	37.75
27	39.57	38.65	37.31	34.95	35.20	35.67	36.53	37.53	38.00	38.19	38.17	37.87
28	39.40	38.57	37.21	34.86	35.22	35.73	36.59	37.67	38.00	38.21	38.20	37.76
29	39.28		37.17	34.80	35.20	35.74	36.55	37.60	38.03	38.23	38.19	37.74
30	39.39		37.18	34.74	35.22	35.76	36.64	37.68	38.04	38.20	38.16	37.80
31	39.26		37.02		35.24		36.59	37.69		38.24		37.82

e Estimated.

Ko KO 311. Columbian Hotel. 90 feet south of Michigan Ave., 90 feet west of Pitcher St. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	16.63	Apr. 18	13.64	July 31	16.56	Oct. 27	18.29
Feb. 21	16.12	May 23	14.43	Aug. 28	18.47	Nov. 30	18.76
Mar. 21	15.34	June 26	15.33	Sept. 22	17.21	Dec. 29	18.23

City of Parchment

Ko PT 6. Kalamazoo Vegetable Parchment Co. test well 6. About 950 feet north of Oak Grove Ave., 75 feet west of Wilson Ave. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	10.99	Apr. 18	9.49	July 24	11.58	Oct. 20	12.54
Feb. 28	11.36	May 23	10.56	Aug. 28	12.43	Nov. 10	12.62
Mar. 28	10.35	June 19	11.17	Sept. 22	12.18	Dec. 29	11.83

Ko PT 13. Kalamazoo Vegetable Parchment Co. 400 feet south of Superior Ave., 350 feet west of Riverview Drive. Records available: 1948-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.90	14.06	14.67	11.95	11.61	14.16	14.49	14.25	15.42	14.85	15.15	14.98
2	13.92	14.21	14.69	11.74	11.90	14.26	14.19	14.48	15.40	14.71	15.21	15.00
3	14.08	14.39	14.67	11.74	12.01	13.94	14.14	14.58	15.29	14.91	15.23	14.76
4	14.25	14.51	14.70	11.93	12.21	13.46	14.06	14.64	15.20	15.06	15.20	14.57
5	14.29	14.41	14.47	11.93	12.40	13.25	14.08	14.71	15.08	14.99	15.13	14.50
6	14.25	14.40	14.28	11.85	12.51	13.26	14.00	14.77	15.20	14.94	15.00	14.42
7	14.42	14.52	14.26	11.70	12.65	13.47	14.23	14.79	15.29	14.94	15.18	14.34
8	14.39	14.62	14.19	11.60	12.59	13.56	14.20	14.98	15.37	14.88	15.15	14.17
9	14.36	14.57	14.10	11.42	12.81	13.72	14.24	15.12	15.58	14.76	15.17	14.09
10	14.54	14.43	13.98	11.40	13.01	13.76	14.37	15.22	15.60	14.87	15.13	14.02
11	14.71	14.34	13.76	11.75	13.13	13.63	14.63	15.23	15.43	14.97	15.03	13.87
12	14.77	14.25	13.44	12.06	13.18	13.68	14.78	15.22	15.23	14.90	14.95	13.94
13	14.68	14.37	13.20	12.23	13.27	13.98	14.97	15.19	14.90	14.97	14.82	14.02
14	14.46	14.51	13.16	12.33	13.20	13.98	14.99	15.11	14.77	15.00	14.92	14.15
15	14.25	14.48	13.19	12.46	13.22	14.07	14.95	15.35	14.69	14.96	14.98	14.22
16	14.07	14.43	13.34	12.39	13.48	14.19	14.83	15.49	14.76	14.89	14.92	14.34
17	14.13	14.45	13.49		13.55	14.24	14.76	15.58	14.60	15.03	14.96	14.30
18	14.08	14.32	13.66	12.80	13.69	14.01	e14.72	15.66	14.32	15.03	15.10	14.32
19	14.02	14.21	13.64	12.86	13.76	13.90	14.66	15.51	14.18	15.12	15.24	14.58
20	14.22	14.03	13.59	12.99	13.84	14.01	14.49	15.42	14.20	15.15	15.27	14.77

Ko PT 13--Continued.

Daily 2 a. m. water level, from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	14.25	14.15	13.75	13.09	13.80	14.21	14.38	15.22	14.34	15.14	15.12	14.90
22	14.19	14.26	13.78	13.18	13.77	14.34	14.23	15.48	14.46	15.17	15.22	14.82
23	14.13	14.38	13.88	13.06	13.95	14.43	14.19	15.62	14.35	15.03	15.29	14.77
24	14.36	.....	13.78	13.19	13.99	14.49	14.05	15.74	14.37	15.11	15.29	14.54
25	14.44	.....	13.75	12.92	14.10	14.14	14.15	15.85	14.26	15.18	15.10	14.51
26	14.40	14.53	13.40	e12.80	14.04	13.94	14.24	15.80	14.42	15.22	14.95	14.40
27	14.35	14.44	13.05	12.55	13.97	14.21	14.35	15.67	14.46	15.22	15.02	14.91
28	14.15	14.63	12.92	12.25	13.75	14.38	14.47	15.48	14.58	15.16	15.10	15.12
29	13.96	.....	12.80	11.95	13.72	14.41	14.49	15.43	14.62	15.06	14.98	15.20
30	13.87	.....	12.53	11.69	13.96	14.48	14.51	15.41	14.74	14.96	14.90	15.28
31	13.93	.....	12.21	.....	14.13	.....	14.24	15.42	.....	15.08	.....	15.27

e Estimated.

Village of Vicksburg

Ko VB 6. Lee Paper Co. well 6A. About 400 feet west of west edge of mill pond, 200 feet south of Washington St. extended. Records available: 1946-50.

Daily 2 a. m. water level, above and below lsd, from recorder graph											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	0.05	+0.98	+1.48	+0.51	+0.69	+0.34	0.41	+0.52	+0.10
207	.....	+1.44	.....	.....	+.28	.45	+.58	.01
316	.....	+1.30	+.90	.....	+.36	.47	.16	+.02
410	.....	+1.13	+.85	.....	+.21	+.27	.18	.00
518	.....	+1.06	+1.00	.....	+.22	+.37	.22	.....
6	+.89	.....	+1.03	+.90	.....	+.92	.55	.26	.....
7	+.10	.....	+.96	+.73	.....	+.97	.60	.28	.50
8	+.40	.....	+.81	+.87	.....	+.34	.55	.40	.....
9	+.33	.....	+.77	+.83	.....	+.24	.55	.33	.....
10	+.52	.....	+.75	+.84	.....	+.26	.65	.35	.....
11	0.02	+.50	.....	+.70	+.77	.....	+.22	.48	.38	.....
12	+.55	.....	+.92	+.78	.....	+.20	.42	.41	.....
1304	+.40	.....	+.83	+.67	.....	+.17	.40	.42	.....
14	0.08	.06	+.48	.....	+.83	+.71	.....	+.77	.42	.41	.....
1512	+.42	+.89	+.90	+.72	+.35	.00	.45	.....	.....
16	+.45	+.91	+.85	+.63	+.32	+.10	.46	.45	.....
17	+.43	+1.05	+.69	+.68	+.34	+.06	.60	.52	.....
18	+.40	+.95	+.81	+1.26	+.35	+.06	+.34	.50	.90
19	+1.09	+.89	+.77	+1.43	+.35	+.07	.33	.51	.95
20	+1.30	+.89	+.74	+.65	+.50	+.05	.30	.51	.95
21	+.40	+.84	+1.42	+.68	+.51	+.03	.32	.45	1.05
22	+.33	+.68	+1.50	+.52	+.44	.03	.12	.42	.95
23	+.38	+1.63	+.78	+.50	.....	.12	.08	.40	.97
24	+.36	+1.76	+.65	+.45	.....	.10	.26	.....	.97
2510	+.13	+1.27	+.65	+.73	.....	.10	.17	.....	1.00
2624	+.45	+1.36	+.65	+.72	.....	.12	.20	.....	.....
2714	+.68	+1.51	+.67	+.82	.....	.12	.25	.....	.....
28	+.03	.12	+.71	+1.57	+.64	+.76	.....	.10	.35	.08
29	+.88	+1.55	+.48	+.74	+.20	.10	.29	.01	.....
30	+.91	+1.37	+.59	+.67	+.85	.32	.40	+.14	.....
31	+.95	.....	+.43	.....	+.35	.30	.....	+.12	.....

Ko VB 7. Lee Paper Co. well 7A. About 500 feet west of west edge of mill pond, 250 feet south of Washington St. extended. Records available: 1946-50.

Daily 2 a. m. water level, above and below lsd, from recorder graph										
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	3.85	3.63	3.44	2.40	1.94	3.45	2.35	1.46	5.17	3.46
2	3.88	3.66	3.52	2.60	2.01	3.41	2.60	1.62	5.27	2.78
3	3.77	3.78	3.80	.....	2.10	2.53	.47	2.11	5.42	e5.26
4	3.56	3.72	3.70	.....	2.18	2.66	+.13	2.20	2.62	.....
5	3.56	.....	3.75	.....	2.30	2.72	+.37	1.30	1.58	.....
6	3.59	.....	1.40	.....	2.32	2.79	+.37	1.61	.....	.....
7	3.68	3.75	2.90	.....	2.42	3.05	+.50	1.18	.....	5.04
8	3.72	3.88	e2.65	.....	2.97	2.87	+.55	2.78	.....	5.35
9	1.58	3.83	2.79	.....	2.85	3.05	.....	3.12	.....	5.13
10	3.25	3.63	2.79	.....	2.95	3.00	.....	3.20	5.50	5.20

Ko VB 7--Continued.

Daily 2 a. m. water level, above and below lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
11	3.41	3.85	2.90	....	2.85	....	....	3.37	5.30	5.14
12	3.61	3.69	3.00	....	2.61	3.11	....	3.40	5.21	3.95
13	3.61	4.05	2.95	....	2.75	3.40	....	3.48	5.21	3.80
14	3.20	4.07	3.65	....	3.00	3.08	....	1.70	5.30	3.80
15	3.60	3.79	....	....	3.35	3.18	....	3.65	5.35	....
16	3.45	3.68	2.85	2.36	3.88	3.20	1.85	3.35	5.32	....
17	4.10	3.72	....	2.33	3.20	3.19	1.67	3.46	5.75	3.32
18	3.65	3.70	2.92	2.95	3.04	1.37	1.37	3.50	2.65	3.48
19	3.65	1.70	1.16	2.55	3.10	.84	1.57	3.55	....	3.55
20	3.80	1.19	.69	2.95	3.30	2.45	1.26	3.61	....	3.62
21	3.40	2.96	2.70	3.10	....	2.90	1.40	3.68	....	4.95
22	1.46	3.10	2.70	3.10	....	3.00	1.56	3.85	....	5.15
23	.97	3.25	2.75	....	....	3.15	....	3.95	....	5.25
24	2.82	3.42	2.75	....	....	3.25	....	4.20	4.90	1.88
25	3.02	3.52	3.15	....	....	2.13	....	4.86	4.93	2.12
26	3.03	3.59	2.62	....	....	2.34	....	4.08	5.04	1.08
27	3.22	3.63	2.38	....	2.94	2.36	....	4.10	5.10	1.38
28	3.35	3.63	2.20	....	3.16	2.33	....	3.97	5.15	1.59
29	3.38		2.22	1.84	3.18	2.34	....	4.03	5.15	1.67
30	3.54		2.45	1.98	3.22	2.38	1.15	4.80	5.25	1.77
31	3.61		....		3.80		1.13	4.95		....

e Estimated.

Kalamazoo Township

Ko Ko 5. City of Kalamazoo, Henson property. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 2 S., R. 11 W., about 1,380 feet east, 450 feet north of center of section. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	8.81	Apr. 18	7.98	July 24	7.71	Oct. 27	8.32
Feb. 28	8.87	May 23	7.68	Aug. 28	8.07	Nov. 30	8.47
Mar. 28	8.26	June 19	7.61	Sept. 29	8.20	Dec. 29	8.56

Ko Ko 15. City of Kalamazoo, Michigan Ave. Station. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 2 S., R. 11 W., about 290 feet east of Wallace Ave., 30 feet south of Schippers Lane. Records available: 1946-50. Jan. 31, 11.27, Feb. 28, 16.24, May 23, 15.48, Dec. 29, 22.01.Ko Ko 42. Western Michigan College of Education, Gateway golf course. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 2 S., R. 11 W., about 1,000 feet north of U. S. Highway 12, 500 feet west of Van de Giessen Rd. Records available: 1946-50.

Jan. 31	35.42	Apr. 18	34.00	July 24	33.46	Oct. 27	34.11
Feb. 28	35.21	May 23	33.56	Aug. 28	33.75	Nov. 30	34.33
Mar. 28	34.52	June 19	33.44	Sept. 29	33.90	Dec. 29	34.46

Ko Ko 43. Oakwood, Inc. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 2 S., R. 11 W., about 350 feet west of Oakland Drive, 20 feet north of Whites Rd. extended. Records available: 1946-50.

Jan. 31	28.69	Apr. 18	27.62	July 24	27.03	Oct. 27	26.47
Feb. 28	28.36	May 23	26.78	Aug. 28	26.18	Nov. 30	26.71
Mar. 28	28.08	June 19	26.30	Sept. 29	26.30	Dec. 29	26.84

Ko Ko 136. Millwood Community well 1. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 2 S., R. 11 W., about 100 feet south of Winton Ave., 90 feet east of Moreland St. Records available: 1946-50. Oct. 19, 40.05; Nov. 30, 39.54; Dec. 29, 48.76.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40.9	40.0	39.4	37.7	35.0	36.2	36.2	37.2	38.0
2	41.5	40.0	39.4	37.6	34.9	36.3	36.3	37.2	38.1
3	40.8	40.2	39.4	37.4	35.8	....	36.2	37.1	38.2
4	41.0	40.0	39.4	37.3	35.8	....	....	37.0	38.1
5	41.2	40.0	39.3	37.2	35.8	....	37.1	37.7	38.2
6	40.8	40.2	39.5	37.1	35.7	35.6	37.5	37.4	38.3
7	41.1	40.0	39.1	37.0	35.9	36.3	....	....	38.3
8	41.7	39.9	38.9	37.1	36.0	36.6	....	....	38.4
9	41.5	39.7	39.1	37.2	35.8	36.9	....	38.2	38.4
10	41.0	39.8	38.9	36.7	34.6	35.5	....	....	38.6

Ko Ko 136--Continued.

Daily 2 a. m. water level, from recorder graph									
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
11	41.1	39.8	38.7	37.1	35.1	35.8	....	38.1	38.4
12	41.1	39.9	38.7	36.3	34.8	36.0	....	....	38.3
13	40.9	39.7	38.7	36.3	34.8	....	....	38.0	38.1
14	40.9	39.6	....	36.1	35.3	....	....	37.9	38.0
15	41.4	39.6	38.4	36.0	35.4	....	....	....	38.0
16	41.2	39.6	38.9	36.0	35.8	....	....	....	....
17	41.0	39.6	38.3	35.9	35.4	....	....	....	....
18	40.8	39.6	38.3	36.0	36.2	....	37.0	....	....
19	40.7	39.8	38.4	....	36.3	....	37.0	....	....
20	40.6	39.6	38.4	....	36.0	35.7	36.9	....	....
21	40.5	39.4	38.2	....	34.9	36.1	36.9	....	....
22	40.6	39.5	38.1	....	34.7	36.4	36.9	....	....
23	40.8	39.5	38.2	....	....	36.9	37.0	....	....
24	40.4	39.4	38.1	....	35.4	37.0	....	39.0	....
25	40.4	39.7	38.1	35.7	36.0	36.0	38.1	....	....
26	40.3	39.5	38.2	35.4	35.5	36.0	38.5	39.1	....
27	40.3	39.7	37.8	35.2	35.2	36.1	38.2	....	....
28	40.3	39.4	37.8	35.1	35.3	36.5	38.4	38.6	....
29	40.1	....	38.4	35.1	35.5	36.3	....	38.3	38.93
30	40.3	....	37.9	35.0	35.8	36.2	....	38.2	....
31	40.1	....	37.8	....	36.0	....	....	38.1	....

Schoolcraft Township

Ko Sc 3. H. H. Chamberlain. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 4 S., R. 11 W. 140 feet north of XY Ave., 500 feet east of 18th St. Driven stock well, diameter 1 $\frac{1}{4}$ inches, depth 18 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 5	10.65	July 30	11.19	Sept. 19	11.72	Nov. 6	11.89
13	10.75	Aug. 7	11.27	27	11.55	21	11.95
21	10.85	15	11.36	Oct. 2	11.67	27	11.97
26	10.75	22	11.48	10	11.78	5	11.95
July 3	10.82	28	11.57	16	11.80	13	11.78
11	10.99	Sept. 5	11.68	24	11.86	19	11.87
17	11.09	12	11.70	30	11.85	26	11.96
25	11.09						

Ko Sc 4. H. H. Chamberlain. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 4 S., R. 11 W., about 1.5 miles east of Schoolcraft, 0.5 miles south of Schoolcraft-Vicksburg Rd. Measurement discontinued. Records available: 1945-50.

Jan. 2	13.85	Feb. 15	12.79	Mar. 28	11.80	May 1	9.27
9	13.65	21	12.75	Apr. 4	11.24	9	9.23
17	13.49	27	12.78	10	10.60	18	9.48
23	13.25	Mar. 7	12.69	17	10.58	23	9.60
31	13.09	14	12.15	26	9.80	29	9.75
Feb. 7	12.69	20	12.07				

Kalkaska County

Blue Lake Township

Ka Bk 22. State Dept. of Conservation. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 28 N., R. 5 W. Records available: 1949-50.

Jan. 13	11.49	Apr. 18	10.45	July 13	10.87	Oct. 17	11.03
Feb. 14	11.24	May 16	10.16	Aug. 15	11.08	Nov. 17	11.09
Mar. 15	11.33	June 14	10.47	Sept. 14	10.98	Dec. 15	11.17

Clearwater Township

Ka Cw 13. State Dept. of Conservation. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 27 N., R. 5 W. Records available: 1942-50.

Jan. 13	17.22	Apr. 18	16.42	July 13	16.37	Oct. 17	16.67
Feb. 14	17.01	May 16	16.14	Aug. 15	16.54	Nov. 13	16.77
Mar. 14	17.17	June 14	16.21	Sept. 14	16.60	Dec. 15	16.85

Ka Cw 100. State Dept. of Conservation. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 27 N., R. 5 W. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	14.40	Apr. 18	13.53	July 13	13.71	Oct. 17	13.92
Feb. 14	14.11	May 16	13.36	Aug. 15	13.85	Nov. 13	13.94
Mar. 14	14.21	June 14	13.54	Sept. 14	13.77	Dec. 15	14.06

Kent County

City of Grandville

Ke GV 10. Winters & Crampton Co. Grandville. 188 feet west of Wallace St. and 93 feet north of 30th St. Drilled public-supply well, diameter 12 inches, depth 30 feet. Records available: 1950.

Feb. 7	13.88	Apr. 28	8.78	July 21	11.35	Oct. 13	13.19
10	11.86	May 2	8.60	25	11.36	17	13.35
14	11.70	5	8.65	28	11.51	20	13.35
17	11.78	9	8.63	Aug. 1	11.51	24	13.50
21	11.67	12	8.78	5	11.57	27	13.59
24	11.88	16	8.90	9	11.65	31	13.85
28	11.88	19	9.09	12	11.77	Nov. 3	14.05
Mar. 3	12.00	23	9.23	15	11.89	7	.....
7	11.69	27	9.50	18	11.98	10	14.13
10	11.61	June 2	9.75	22	11.98	14	14.33
14	11.54	6	9.90	26	12.03	17	14.46
17	11.50	9	10.17	29	11.90	21	14.46
21	11.33	14	10.35	Sept. 1	11.91	24	14.43
24	11.27	16	10.50	5	12.15	28	14.60
28	11.11	20	10.59	8	12.31	Dec. 1	14.77
31	11.04	24	10.85	12	12.31	5	14.54
Apr. 4	10.61	27	10.96	19	12.65	8	14.52
7	10.03	30	11.10	22	12.75	12	14.36
11	9.34	July 5	10.92	26	12.91	15	14.54
14	9.05	7	10.95	29	12.82	19	14.37
18	8.87	11	11.08	Oct. 3	12.99	22	14.35
21	8.93	14	11.23	6	13.09	26	14.15
25	8.85	18	11.27	10	13.18	29	14.31

Ke GV 11. Winters & Crampton Co. Grandville. 195 feet west of Wallace St. and 88 feet north of 30th St. Drilled public-supply well, diameter 6 inches, depth 40 feet. Records available: 1950.

Feb. 7	12.07	Apr. 28	8.68	July 21	11.24	Oct. 13	13.18
10	12.08	May 2	8.46	25	11.26	17	13.25
14	11.64	5	8.55	28	11.41	20	13.35
17	11.74	9	8.54	Aug. 1	11.40	24	13.40
21	11.61	12	8.69	5	11.47	27	13.49
24	11.84	16	8.79	9	11.53	31	13.77
28	11.88	19	8.98	12	11.66	Nov. 3	13.95
Mar. 3	11.98	23	9.09	15	11.78	7	14.04
7	11.65	27	9.40	18	11.88	10	14.17
10	11.56	June 2	9.65	22	11.88	14	14.24
14	11.49	6	9.81	26	11.91	17	14.37
17	11.46	9	10.07	29	11.78	21	14.37
21	11.30	14	10.25	Sept. 1	11.91	24	14.34
24	11.23	16	10.38	5	12.05	28	14.50
28	11.07	20	10.48	8	12.22	Dec. 1	14.70
31	11.00	24	10.76	12	12.34	5	14.45
Apr. 1	10.55	27	10.87	19	12.57	8	14.43
7	9.98	30	11.01	22	12.66	12	14.30
11	9.30	July 5	10.80	26	12.81	15	14.42
14	9.00	7	10.84	29	12.70	19	14.25
18	8.79	11	10.96	Oct. 3	12.86	22	14.26
21	8.82	14	11.13	6	12.96	26	14.04
25	8.77	18	11.18	10	13.07	29	14.22

Ke GV 12. Winters & Crampton Co. Grandville. 281 feet west of Wallace St. and 55 feet north of 30th St. Drilled test well, diameter 2 inches, depth 20 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	11.46	Apr. 28	8.47	July 21	10.89	Oct. 13	12.80
10	11.49	May 2	8.29	25	10.91	17	12.93
14	11.40	5	8.17	28	11.03	20	12.96
17	11.36	9	8.29	Aug. 1	11.03	24	13.09
21	11.29	12	8.44	5	11.11	27	13.11
24	11.53	16	8.56	9	11.29	31	13.40
28	11.54	19	8.62	12	11.39	Nov. 3	13.61
Mar. 3	11.63	23	8.89	15	11.41	7	13.66
7	11.33	27	9.15	18	11.61	10	13.82
10	11.25	June 2	9.39	22	11.58	14	13.89
14	11.17	6	9.42	26	11.67	17	14.01
17	11.13	9	9.81	29	11.48	20	14.03
21	10.90	14	9.97	Sept. 1	11.63	24	14.00
24	10.92	16	10.11	5	11.64	28	14.14
28	10.75	20	10.21	8	11.95	Dec. 1	14.31
31	10.68	24	10.48	12	12.08	5	14.12
Apr. 4	10.25	27	10.45	19	12.16	8	14.12
7	9.67	30	10.71	22	12.41	12	14.03
11	9.02	July 5	10.57	26	12.48	15	14.12
14	8.72	7	10.62	29	12.37	19	13.88
18	7.55	11	10.75	Oct. 3	12.59	22	13.89
21	8.57	14	10.87	6	12.69	26	13.76
25	8.52	18	10.95	10	12.72	29	13.80

Ke GV 13. Winters & Crampton Co. Grandville. 317 feet west of Wallace St., 194 feet south of 30th St. Drilled test well, diameter 1½ inches, depth 20 feet. Records available: 1950.

Feb. 7	12.38	Apr. 28	9.29	July 21	11.82	Oct. 13	13.74
10	12.49	May 2	9.10	25	11.82	17	13.80
14	12.26	5	9.09	28	11.94	20	13.89
17	12.26	9	9.10	Aug. 1	11.96	24	13.94
21	12.23	12	9.26	5	12.04	27	14.04
24	12.41	16	9.37	9	12.14	31	14.28
28	12.43	19	9.55	12	12.24	Nov. 3	14.47
Mar. 3	12.52	23	9.70	15	12.26	7	14.53
7	12.23	27	9.97	18	12.46	10	14.65
10	12.13	June 2	10.22	22	12.43	14	14.76
14	12.06	6	10.34	26	12.52	17	14.90
17	12.02	9	10.63	29	12.32	21	14.90
21	11.86	13	10.80	Sept. 1	12.48	24	14.86
24	11.82	16	10.96	5	12.55	28	14.98
28	11.65	20	11.05	8	12.79	Dec. 1	15.18
31	11.59	24	11.31	12	12.92	5	14.96
Apr. 4	11.15	27	11.38	19	13.08	8	14.95
7	10.57	30	11.55	22	13.24	12	14.90
11	9.90	July 5	11.37	26	13.34	15	14.98
14	9.60	7	11.46	29	13.29	19	14.80
18	9.38	11	11.57	Oct. 3	13.45	22	14.81
21	9.40	14	11.70	6	13.55	26	14.57
25	9.34	18	11.76	10	13.63	29	14.72

Ke GV 14. Winters & Crampton Co. Grandville. 40 feet west of Wallace St. and 62 feet north of 30th St. Driven test well, diameter 2 inches, depth 28 feet. Records available: 1950.

Feb. 7	17.68	Mar. 24	17.17	May 9	14.52	June 27	16.70
10	17.75	28	17.00	12	14.67	30	16.99
14	17.61	31	16.94	16	14.80	July 5	16.81
17	17.61	Apr. 4	16.52	19	14.96	7	16.87
21	17.51	7	15.98	23	15.12	11	17.00
24	17.78	11	15.25	27	15.40	14	17.12
28	17.80	14	14.97	June 2	15.63	18	17.12
Mar. 3	17.90	18	14.78	6	15.65	21	17.14
7	17.59	21	14.81	9	16.06	25	17.22
10	17.50	25	14.75	14	16.24	28	17.26
14	17.42	28	14.70	16	16.42	Aug. 1	17.34
17	17.39	May 2	14.50	20	16.48	5	17.46
21	17.16	5	14.39	24	16.55	9	17.56

Ke GV 14--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 12	17.67	Sept. 19	18.42	Oct. 24	19.38	Nov. 28	19.98
15	17.69	22	18.68	27	19.37	Dec. 1	20.63
18	17.87	26	18.77	31	18.72	5	20.34
22	17.83	29	18.62	Nov. 3	19.91	8	20.44
26	17.92	Oct. 3	18.88	7	19.99	12	20.31
29	17.70	6	18.99	10	20.11	15	19.94
Sept. 1	17.90	10	19.03	14	20.21	19	20.27
5	17.90	13	19.15	17	20.35	22	20.12
8	18.51	17	19.22	21	20.35	26	19.93
12	18.35	20	19.22	24	20.30	29	20.05

Lenawee County

City of Adrian

Lw AD 1. City of Adrian. 355 feet east of Springbrook St., 265 feet north of W. Maple St. Records available: 1949-50.

Jan. 5	2.80	Mar. 16	3.85	May 26	14.57	Aug. 5	5.50
12	4.29	24	2.70	June 1	5.10	10	5.65
19	4.93	31	11.38	8	5.15	29	6.40
26	2.59	Apr. 6	9.59	16	4.86	Sept. 7	5.88
Feb. 2	4.61	14	3.04	22	5.33	14	4.58
9	14.50	20	3.53	29	5.36	22	13.60
16	10.40	28	1.72	July 7	5.55	Oct. 6	5.00
23	3.40	May 4	2.68	13	17.09	19	4.60
Mar. 4	3.75	11	3.66	20	5.27	Nov. 11	4.20
9	2.76	18	4.19	28	5.40		

Livingston County

City of Howell

Lg HO 12. City of Howell old No. 12 well. 105 feet east of Michigan Ave., 160 feet south of Pere Marquette railroad tracks. Records available: 1949-50.

Jan. 2	11.20	Apr. 3	10.45	July 3	9.39	Oct. 2	10.85
9	11.10	10	10.05	10	9.85	10	10.65
16	11.95	17	10.15	17	9.55	16	10.65
23	10.90	24	9.75	24	9.05	23	10.35
30	11.05	May 1	9.50	31	10.45	30	10.45
Feb. 6	10.35	8	9.45	Aug. 7	10.35	Nov. 6	10.45
13	10.75	15	9.45	14	10.45	13	10.30
20	11.05	22	9.70	21	10.80	20	10.55
27	10.80	29	9.25	28	11.05	27	10.30
Mar. 6	11.10	June 5	9.45	Sept. 5	11.20	Dec. 4	10.40
13	10.50	12	9.45	11	10.75	11	10.45
20	10.45	19	9.40	18	10.77	18	10.40
27	10.55	26	9.55	25	10.70	26	10.45

Manistee County

Norman Township

Ms Nr 1. State of Michigan. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 21 N., R. 14 W. 845 feet west of east section line and 70 feet south of north section line. Records available: 1949-50.

Feb. 27	15.40	May 22	13.80	Aug. 29	15.42	Nov. 28	15.98
Mar. 21	15.35	June 21	13.80	Sept. 25	15.60	Dec. 26	15.86
Apr. 27	14.43	July 10	14.18				

Mason County

Logan Township

Ma Lo 1. U. S. Forest Service well. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 17 N., R. 15 W. 790 feet north of south section line, 800 feet west of quarter corner. Records available: 1948-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	17.85	17.13	16.57	15.33	14.92	15.25	15.74	16.43	16.92	17.35	17.74
2	.....	17.82	17.13	16.53	15.30	14.93	15.25	15.76	16.45	16.94	17.37	17.76
3	.....	17.78	17.13	16.49	15.27	14.92	15.27	15.78	16.46	16.95	17.38	17.77
4	.....	17.74	17.13	16.47	15.24	14.93	15.27	15.80	16.51	16.96	17.39	17.79
5	.....	17.69	17.11	16.44	15.21	14.92	15.29	15.82	16.51	16.98	17.40	17.80
6	.....	17.64	17.10	16.41	15.18	14.92	15.30	15.85	16.52	16.99	17.42	17.81
7	.....	17.61	17.10	16.36	15.18	14.95	15.32	15.87	16.54	17.00	17.45	17.82
8	.....	17.57	17.02	16.32	15.18	14.97	15.34	15.89	16.55	17.02	17.45	17.83
9	.....	17.53	17.01	16.27	15.13	14.97	15.35	15.91	16.57	17.04	17.46	17.84
10	.....	17.50	17.00	16.22	15.10	14.96	15.37	15.94	16.59	17.05	17.49	17.86
11	.....	17.47	16.99	16.15	15.10	15.00	15.38	15.97	16.60	17.06	17.49	17.87
12	.....	17.44	16.98	16.12	15.07	15.01	15.39	15.99	16.62	17.08	17.50	17.88
13	.....	17.41	16.98	16.07	15.04	14.99	15.40	16.02	16.63	17.09	17.52	17.88
14	.....	17.37	16.98	16.03	15.03	15.02	15.43	16.04	16.65	17.11	17.53	17.90
15	.....	17.35	16.98	15.98	15.01	15.03	15.44	16.06	16.66	17.12	17.55	17.91
16	.....	17.33	16.98	15.93	15.01	15.02	15.46	16.09	16.68	17.14	17.55	17.92
17	.....	17.31	16.98	15.87	15.00	15.07	15.47	16.11	16.70	17.15	17.57	17.93
18	.....	17.29	16.99	15.84	14.99	15.08	15.49	16.14	16.71	17.16	17.59	17.95
19	.....	17.27	17.00	15.79	14.98	15.07	15.51	16.16	16.73	17.18	17.59	17.96
20	.....	17.26	17.00	15.74	14.96	15.07	15.52	16.18	16.75	17.19	17.60	17.96
21	.....	17.24	16.98	15.70	14.96	15.10	15.54	16.21	16.76	17.21	17.62	17.98
22	.....	.....	16.97	15.66	14.94	15.12	15.56	16.23	16.78	17.22	17.63	17.99
23	.....	.....	16.93	15.60	14.93	15.13	15.57	16.25	16.79	17.24	17.65	18.01
24	18.00	.....	16.91	15.57	14.93	15.15	15.59	16.27	e16.81	17.25	17.66	18.02
25	18.00	.....	16.90	15.52	14.92	15.18	15.60	16.30	16.83	17.25	17.68	18.03
26	17.98	.....	16.86	15.48	14.93	15.19	15.61	16.32	16.85	17.28	17.69	18.05
27	e18.97	17.15	16.81	15.46	14.93	15.19	15.63	16.34	16.86	17.28	17.71	18.06
28	17.95	17.14	16.65	15.43	14.92	15.21	15.65	16.36	16.88	17.30	17.72	18.07
29	17.92	.....	16.64	15.40	14.92	15.22	15.67	16.38	16.89	17.31	17.73	18.07
30	17.91	.....	16.63	15.37	14.91	15.22	15.69	16.40	16.91	17.33	17.74	18.07
31	17.89	.....	16.60	.....	14.90	.....	e15.72	16.41	.....	17.35	.....	18.08

e Estimated.

Montcalm County

City of Greenville

Mm GV 9. City of Greenville. 410 feet north of Fairplain St. and 380 feet west of Pere Marquette railroad tracks. Drilled public-supply well, diameter 12 inches, depth 65 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8	14.21	May 10	14.35	Aug. 2	14.50	Oct. 18	15.15
15	14.20	17	13.95	9	14.80	24	15.20
22	14.28	24	14.60	16	14.95	Nov. 1	15.10
Mar. 1	14.25	31	13.65	24	14.90	8	14.75
8	13.50	June 7	14.55	30	14.95	15	14.58
22	13.46	14	14.05	Sept. 6	14.90	22	14.25
Apr. 1	11.40	21	14.55	13	14.70	29	14.25
5	11.90	28	14.10	20	14.55	Dec. 6	14.25
12	11.85	July 4	13.85	27	14.90	13	14.05
19	13.25	12	15.10	Oct. 4	15.10	20	14.15
29	13.40	19	14.35	11	15.35	27	14.30
May 3	13.55	26	14.35				

Montmorency County

Albert Township

My Ab 1. State Dept. of Conservation. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 29 N., R. 2 E. 155 feet north of county road 612, about 4,000 feet east of Avery Lake Rd. Records available: 1948-50.

My Ab 1--Continued.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.03	....	2.25	1.74	....	1.70	1.97	2.16	2.37	2.09	0.57	0.44
2	.98	2.45	2.31	1.70	....	1.72	1.95	2.15	2.40	2.09	.54	.45
3	.88	2.54	2.34	1.67	....	1.70	2.00	2.17	2.40	2.05	.63	.37
4	.88	2.61	2.39	1.66	1.46	1.71	1.95	2.20	2.39	2.08	.59	.38
5	1.02	2.61	2.25	....	1.44	1.68	2.20	2.22	2.44	2.06	.51	.48
6	1.03	2.50	2.33	....	1.42	1.69	2.00	2.22	2.40	2.08	.50	.51
7	.98	2.50	2.27	1.60	1.49	1.75	2.02	2.23	2.36	2.08	.52	.45
8	1.04	2.52	2.14	....	1.61	1.76	2.04	2.19	2.34	2.06	.56	.34
9	.91	2.40	2.22	....	1.57	1.74	2.04	2.17	2.33	2.10	.47	.38
10	.88	2.48	2.29	....	1.45	1.69	2.04	2.18	2.23	2.08	.51	.38
11	.95	2.48	2.21	1.58	1.54	1.74	2.03	2.21	2.26	2.08	.53	.38
12	1.00	2.55	2.20	1.47	1.49	1.76	2.02	2.24	2.24	2.05	.54	.34
13	.92	2.54	2.16	....	1.44	1.72	1.99	2.26	2.24	1.18	.50	.34
14	.76	2.45	2.14	1.44	1.47	1.77	2.04	2.25	2.16	1.10	.50	.35
15	.96	2.30	....	....	1.41	1.80	2.05	2.24	2.15	1.06	.44	.34
16	.88	2.36	2.22	....	1.60	1.78	2.07	2.24	2.18	1.01	.39	.37
17	.97	2.43	2.16	....	1.63	1.93	2.10	2.24	2.22	.97	.43	.37
18	.79	2.44	....	....	1.57	1.91	2.09	2.37	2.21	.94	.44	.40
19	....	2.40	....	....	1.59	1.85	2.13	2.34	2.10	.84	.38	.38
20	....	2.46	....	1.46	1.57	1.82	2.10	2.37	2.15	.87	.41	.36
21	....	2.44	....	....	1.56	1.85	2.14	2.37	2.11	.82	.47	.40
22	....	2.39	....	....	1.57	1.89	2.13	2.37	2.08	.83	.45	.29
23	....	2.34	2.00	....	1.59	1.86	2.13	2.36	2.04	.82	.45	.34
24	....	2.31	....	1.46	1.60	1.83	2.14	2.41	2.12	.82	.44	.25
25	....	2.40	....	....	1.58	1.91	2.14	2.38	2.08	.77	.50	.24
26	....	2.37	....	....	1.62	1.89	2.16	2.46	2.10	.81	.31	.36
27	....	2.38	....	....	1.75	1.89	2.14	2.43	2.12	.79	.37	.40
28	....	2.33	....	1.46	1.74	1.94	2.15	2.36	2.09	.69	.43	.27
29	....	....	....	....	1.71	1.92	2.16	2.36	2.11	.70	.43	.33
30	....	....	1.92	....	1.71	1.93	2.15	2.38	2.09	.67	.38	.37
31	....	....	1.90	....	1.67	....	2.16	2.37	....	.64	....	.36

My Ab 7. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 29 N., R. 2 E., about 200 feet east of Avery Lake Rd., 20 feet south of county road 612. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	0.50	Apr. 18	+0.75	July 17	0.71	Oct. 18	0.77
Feb. 15	+.11	May 17	+.41	Aug. 17	1.33	Nov. 17	.19
Mar. 15	+.11	June 15	.15	Sept. 21	.52	Dec. 18	.01

Briley Township

My Br 6. State Dept of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 31 N., R. 2 E. Records available: 1934-50.

Jan. 16	11.80	Apr. 19	10.06	July 17	11.01	Oct. 18	11.21
Feb. 15	11.52	May 17	9.98	Aug. 17	11.53	Nov. 17	11.28
Mar. 15	11.54	June 15	10.46	Sept. 21	11.58	Dec. 18	10.91

My Br 8. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 30 N., R. 2 E. 150 feet south and 40 feet east of 90-degree bend in road. Records available: 1946-50. May 17, +.09; July 15, 0.25; July 17, 0.80; Aug. 17, 0.19; Oct. 18, 0.09; Nov. 17, 0.24; Dec. 18, 0.69.

My Br 16. State Dept. of Conservation. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 31 N., R. 2 E. 347 feet east of State Highway 33, 0.2 mile north of south section line road. Records available: 1948-50.

Jan.	14.56	Apr. 19	13.11	July 17	13.74	Oct. 18	14.57
Feb. 15	14.53	May 17	13.31	Aug. 17	14.36	Nov. 17	14.25
Mar. 15	14.46	June 15	13.56	Sept. 21	14.49	Dec. 18	14.13

Hillman Township

My Hm 1. State Dept. of Conservation. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 31 N., R. 4 E. Records available: 1935-50.

Jan. 16	1.41	May 17	1.12	Aug. 17	1.50	Nov. 17	1.46
Mar. 15	1.74	June 15	1.25	Sept. 21	1.10	Dec. 18	1.44
Apr. 19	.70	July 17	1.54	Oct. 18	1.33	....	....

My Hm 22. State Dept. of Conservation. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 31 N., R. 3 E. Records available: 1936-44, 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	7.71	May 17	5.74	Aug. 17	6.93	Nov. 17	6.60
Mar. 15	7.44	June 15	6.23	Sept. 21	6.85	Dec. 18	6.22
Apr. 19	5.93	July 17	6.68	Oct. 18	6.33		

My Hm 23. State Dept. of Conservation. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 31 N., R. 4 E. Records available: 1935-37, 1946-50.

Jan. 16	0.79	Apr. 19	0.64	July 17	1.05	Oct. 18	0.73
Feb. 15	.96	May 17	.85	Aug. 17	.81	Nov. 17	.76
Mar. 15	.90	June 15	1.03	Sept. 21	.55	Dec. 18	.64

Loud Township

My Ld 6. State Dept. of Conservation. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 29 N., R. 3 E, about 2.3 miles west of State Highway M-33, 230 feet south of county road 612. Records available: 1945-50.

Jan. 16	5.84	Apr. 19	4.62	July 17	4.95	Oct. 18	5.48
Feb. 15	5.61	May 17	4.44	Aug. 17	5.28	Nov. 17	5.35
Mar. 15	5.64	June 15	4.61	Sept. 21	5.46	Dec. 18	5.19

Montmorency Township

My My 1. State Dept. of Conservation. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T. 32 N., R. 2 E. 27 feet east of State Highway 33. Records available: 1948-50.

Jan. 16	20.79	Apr. 19	19.96	July 17	20.48	Oct. 18	20.70
Feb. 15	20.76	May 17	20.13	Aug. 17	20.66	Nov. 17	20.78
Mar. 15	20.76	June 15	20.31	Sept. 21	20.70	Dec. 18	20.75

Rust Township

My Rs 4. State Dept. of Conservation. About center of SW $\frac{1}{4}$ sec. 5, T. 29 N., R. 4 E., about 2.3 miles east of State Highway M-33, 50 feet northwest of dirt road. Records available: 1946-50.

Feb. 15	12.48	May 17	8.79	Aug. 17	11.78	Nov. 17	11.88
Mar. 15	12.21	June 15	9.94	Sept. 21	12.56	Dec. 18	11.96
Apr. 19	6.14	July 17	10.83	Oct. 18	12.04		

My Rs 18. State Dept. of Conservation. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 30 N., R. 4 E. Records available: 1935-37, 1945-50.

Jan. 16	+0.64	Apr. 19	+0.82	July 17	0.38	Oct. 18	+0.42
Feb. 15	+.31	May 17	+.35	Aug. 17	.30	Nov. 17	+.64
Mar. 15	+.56	June 15	.74	Sept. 21	+.68	Dec. 18	+.63

Oakland County

City of Pontiac

Oa PT 1. City of Pontiac. Well 6 at Walnut St. pumping station, about 200 feet west of supply well 1. Records available: 1939-50.

Day	Jan.	Feb.	Mar.	Apr.	May	June	Oct.	Nov.	Dec.
1	.....	104.9	103.3	.....	99.9	.....	.....	.....	112.1
2	101.7	.....	.....	.....	.....	102.9	115.3	.....	112.0
3	.....	105.5	104.3	101.7	100.1	.....	.....	.....	110.3
4	103.7	.....	.....	.....	.....	.....	.....	.....	109.5
5	.....	.....	.....	103.7	100.4	102.4	.....	.....	111.0
6	104.6	103.6	103.3	.....	.....	.....	.....	.....	112.8
7	.....	.....	.....	103.5	.....	105.6	.....	.....	112.5
8	.....	104.9	103.1	.....	100.2	.....	.....	112.5	112.4
9	103.9	.....	.....	.....	.....	108.3	.....	113.7	112.1
10	.....	105.9	104.3	101.1	100.5	.....	113.0	114.5	111.8
11	105.2	.....	.....	.....	.....	.....	.....	114.3	110.2
12	.....	.....	.....	.....	101.1	106.5	.....	114.3	111.0
13	104.5	.....	103.5	.....	.....	.....	.....	112.8	112.5

Oa PT 1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	Oct.	Nov.	Dec.
14	.....	.....	.....	101.5	.....	106.4	.....	111.7	111.9
15	.....	104.7	103.9	.....	100.3	.....	.....	111.2	111.4
16	104.9	.....	.....	.....	.....	107.3	113.0	110.6	110.7
17	.....	104.9	103.7	100.3	103.0	.....	.....	110.4	109.8
18	105.2	.....	.....	.....	.....	.....	.....	110.7	109.9
19	.....	.....	.....	101.1	103.4	106.5	.....	109.1	110.6
20	105.7	103.9	103.1	.....	.....	.....	.....	107.8	110.9
21	.....	.....	.....	100.2	.....	107.4	.....	109.7	110.7
22	.....	103.7	104.0	.....	103.4	.....	.....	109.7	110.2
23	103.3	.....	.....	.....	.....	.....	110.8	110.7	110.3
24	.....	104.7	103.1	99.6	103.9	.....	.....	108.1	108.1
25	104.4	.....	.....	.....	.....	.....	.....	111.3	107.6
26	.....	.....	.....	100.2	103.2	.....	.....	110.1	107.0
27	105.6	104.0	102.4	.....	.....	.....	.....	110.0	109.2
28	.....	.....	.....	100.9	.....	.....	.....	112.5	109.4
29	.....	.....	102.8	.....	102.7	.....	.....	112.0	109.5
30	.....	.....	.....	.....	.....	.....	111.1	111.2	109.5
31	.....	.....	103.7	.....	100.8	.....	.....	.....	109.4

Oa PT 3. City of Pontiac. At pump house of East Boulevard supply well, near intersection of East Blvd. and Mount Clemens St. Records available: 1939-50. Measurement discontinued from July 7, 1950 to Jan. 1, 1951. In the course of field work in the Pontiac area during the past year, it was found that the land-surface elevation originally reported for this well as 883.2 feet above mean sea level should have been 903.1 feet. Inasmuch as water levels furnished by the owner were computed from this original elevation datum, all previously published data for this well should be corrected by adding 19.9 feet to the reported depth to water.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	61.1	Feb. 15	59.6	Mar. 29	59.6	May 17	54.9
4	59.1	17	60.0	31	58.9	19	54.9
6	59.3	20	60.1	Apr. 3	61.8	22	55.4
9	59.3	22	60.0	5	56.3	24	55.4
11	59.1	24	60.2	10	66.1	26	54.3
13	58.8	27	60.3	14	66.2	29	54.3
16	58.8	Mar. 1	60.0	17	66.2	31	54.3
18	59.0	3	60.4	19	55.9	June 2	55.2
20	58.9	6	60.4	21	55.8	5	54.6
23	59.4	8	60.4	24	54.7	7	54.9
25	59.1	10	60.4	28	54.3	9	55.2
27	59.2	13	60.4	May 1	54.3	12	55.8
30	59.3	15	60.4	3	54.2	14	55.6
Feb. 1	59.2	17	60.5	5	54.5	16	55.9
3	59.5	18	60.5	8	54.6	19	56.6
6	59.6	22	60.5	10	58.1	21	56.9
8	59.8	24	59.3	12	54.7	July 5	59.0
10	59.7	27	59.5	15	54.8	7	59.1

Otsego County

Otsego Lake Township

Os Ok 105. State Dept. of Conservation. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 29 N., R. 3 W. Records available: 1933-50.

Jan. 13	3.28	Apr. 18	2.60	July 13	3.24	Oct. 17	3.41
Feb. 14	3.23	May 16	2.67	Aug. 15	3.53	Nov. 13	3.45
Mar. 14	3.39	June 14	3.03	Sept. 14	3.37	Dec. 15	3.48

Os Ok 106. State Dept. of Conservation. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 29 N., R. 3 W. Records available: 1933-50.

Jan. 13	8.68	Apr. 18	7.63	July 13	8.21	Oct. 17	8.48
Feb. 14	8.16	May 16	7.53	Aug. 15	8.64	Nov. 13	8.61
Mar. 14	8.26	June 14	7.94	Sept. 14	8.81	Dec. 15	8.73

Ottawa County

Holland Township

Ot Ho 2. City of Holland. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 5 N., R. 15 W., 507 feet west of Waverly Rd. and 28 feet south of 8th St. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	41.67	Feb. 14	41.11	Mar. 28	40.08	May 16	39.91
10	41.81	21	41.11	Apr. 4	40.14	23	40.48
17	41.80	28	40.26	11	39.99	31	42.09
24	41.58	Mar. 7	40.20	18	40.18	June 6	42.44
31	41.94	14	40.50	25	39.76	Oct. 17	42.21
Feb. 7	41.88	21	40.25	May 2	39.90		

Ot Ho 5. City of Holland. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, T. 5 N., R. 15 W., 730 feet west of Waverly Rd. and 28 feet south of 8th St. Records available: 1946-50.

Jan. 3	41.65	Mar. 14	40.52	May 31	42.28	Aug. 8	44.23
10	41.59	21	40.31	June 6	42.24	22	45.96
17	41.42	28	40.11	13	44.96	29	45.80
24	41.15	Apr. 4	40.08	20	43.02	Sept. 5	45.97
31	41.34	11	39.95	27	43.85	Oct. 3	45.65
Feb. 7	41.27	18	40.37	July 5	43.22	10	45.01
14	40.72	25	39.84	11	45.45	17	44.65
21	40.78	May 2	39.84	18	44.45	24	45.29
28	40.53	16	39.82	25	43.24	31	45.01
Mar. 7	40.42	23	40.92	Aug. 1	44.08	Nov. 7	45.62

Ot Ho 7. City of Holland. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 5 N., R. 15 W., about 30 feet west of Waverly Rd., 30 feet north of 16th St. Records available: 1946-50. Jan. 3, 82.01.

Ot Ho 9. City of Holland. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 5 N., R. 15 W., about 960 feet north of 16th St. and 60 feet west of Waverly Rd. Records available: 1946-50.

Jan. 3	73.69	Apr. 4	74.99	July 11	79.58	Oct. 10	78.89
10	73.72	11	74.70	18	79.84	17	80.15
17	74.61	18	75.80	25	79.76	24	79.36
24	74.63	25	75.29	Aug. 1	77.56	31	80.39
31	75.85	May 2	75.78	8	78.88	Nov. 7	77.32
Feb. 7	75.42	16	77.68	15	78.87	14	74.79
14	74.51	23	78.20	22	78.98	21	73.36
21	74.57	31	78.79	29	78.76	28	75.09
28	74.25	June 6	78.55	Sept. 5	80.49	Dec. 5	76.03
Mar. 2	74.45	13	77.94	12	79.33	12	75.24
14	74.90	20	79.13	19	78.05	19	76.71
21	74.70	27	79.53	26	77.68	26	75.44
28	74.48	July 5	78.23	Oct. 3	78.92		

City of Holland

Ot HO 12. City of Holland. 67 feet east of Cleveland Ave. extended, 57 feet north of 26th St. extended. Records available: 1949-50.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.29	4.03	4.35	....	2.91	4.03	4.37	4.50	4.80	4.79	4.92	....
2	4.31	4.05	4.33	....	3.01	4.05	4.36	4.52	4.81	4.81	4.93	....
3	4.28	4.11	4.33	....	3.05	4.01	4.39	4.53	4.82	4.81	4.94	....
4	4.17	....	4.35	3.26	3.10	4.00	....	4.55	4.83	4.83	4.94	....
5	4.14	....	4.31	2.97	3.15	4.01	4.42	4.57	4.85	4.82	4.94	4.20
6	4.12	....	4.16	3.05	3.22	4.05	4.42	4.58	4.86	4.81	4.95	....
7	4.14	4.24	3.97	3.10	3.30	4.08	4.44	4.59	4.86	4.81	4.95	....
8	4.18	4.24	3.66	3.19	....	4.10	4.46	4.60	4.87	4.81	4.96	....
9	4.17	4.24	3.58	3.27	....	4.11	4.47	4.62	4.88	4.80	4.95	....
10	4.18	4.28	3.64	3.30	....	4.12	4.49	4.63	4.89	4.79	4.96	....
11	4.19	4.29	3.64	3.13	....	4.16	4.50	4.65	4.77	4.79	4.98	....
12	4.14	4.31	3.72	3.15	....	4.17	4.52	4.66	4.75	4.79	4.98	4.01
13	4.15	4.31	3.73	3.25	....	4.17	4.52	4.67	4.74	4.81	4.98	4.03
14	3.89	4.31	3.79	3.32	....	4.15	4.54	4.69	4.74	4.81	4.98	4.05
15	3.78	4.27	3.84	3.37	....	4.17	4.55	4.70	4.74	4.82	4.97	4.06
16	3.84	4.24	3.86	3.41	3.62	4.16	4.56	4.71	4.76	4.83	4.84	4.10
17	3.86	4.25	3.80	3.43	3.63	4.21	4.56	4.72	4.79	4.84	4.80	4.11
18	3.87	4.24	3.91	3.48	3.67	4.21	4.49	4.74	4.80	4.85	4.76	4.13

Ot HO 12--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19	3.95	4.26	3.94	3.52	3.70	4.22	4.46	4.67	4.78	4.85	4.76	4.13
20	4.01	4.28	3.92	3.50	3.73	4.23	4.33	4.71	4.78	4.86	4.75	4.16
21	4.01	4.25	3.94	3.54	3.77	4.26	4.23	4.74	4.77	4.86	4.75	4.18
22	4.03	4.28	3.93	3.58	3.78	4.27	4.22	4.74	4.74	4.87	....	4.16
23	4.09	4.29	3.87	3.58	3.81	4.29	4.24	4.73	4.72	4.87	....	4.19
24	4.11	4.31	3.84	3.58	3.83	4.28	4.27	4.75	4.74	4.88	....	4.19
25	4.15	4.36	3.83	2.20	3.87	4.28	4.32	4.75	4.72	4.89	....	4.22
26	4.01	4.37	3.80	2.25	3.90	4.27	4.34	4.76	4.75	4.90	....	4.24
27	3.84	4.38	3.62	2.44	3.92	4.31	4.38	4.77	4.75	4.90	....	4.24
28	3.80	4.35	3.62	2.59	3.93	4.33	4.41	4.77	4.76	4.90	4.73	4.23
29	3.83	....	....	2.71	3.96	4.33	4.44	4.78	4.77	4.92	....	4.24
30	3.95	....	....	2.81	3.97	4.33	4.47	4.79	4.78	4.92	....	4.26
31	3.95	....	....	....	3.99	....	4.49	4.79	....	4.92	....	4.28

e Estimated.

Ot Ho 10. City of Holland. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 5 N., R. 15 W., about 750 feet north of 16th St., 150 feet east of Waverly Rd. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	78.35	Apr. 4	80.26	July 11	86.49	Oct. 10	84.29
10	78.72	11	79.94	18	85.22	17	86.59
17	79.77	18	82.95	25	86.49	24	86.38
24	79.62	25	81.79	Aug. 1	82.36	31	87.42
31	82.46	May 2	81.01	8	85.83	Nov. 7	81.42
Feb. 7	80.67	16	84.99	15	85.44	14	79.01
14	79.66	23	85.29	22	84.10	21	77.66
21	79.61	31	85.79	29	85.76	28	80.40
28	79.49	June 6	84.92	Sept. 5	87.41	Dec. 5	80.75
Mar. 7	79.55	13	83.26	12	84.75	12	79.82
14	80.14	20	84.98	19	82.68	19	81.65
21	79.96	27	85.99	26	82.70	26	79.72
28	79.63	July 5	83.17	Oct. 3	83.99	....	....

*Ot Ho 21. City of Holland. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 5 N., R. 15 W., 15 feet south of 24th St. Formerly Ot Ho 8, 6-inch well. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	42.25	Apr. 4	44.43	July 11	46.22	Oct. 10	47.49
10	42.65	11	44.58	18	46.31	17	47.68
17	42.93	18	44.72	25	46.47	24	47.70
24	42.99	25	44.51	Aug. 1	46.61	31	47.78
31	43.42	May 2	44.93	8	46.83	Nov. 7	47.97
Feb. 7	43.57	16	45.05	15	46.92	14	48.05
14	43.44	23	45.22	22	46.96	21	47.88
21	43.68	31	45.36	29	47.09	28	47.87
28	43.75	June 6	45.48	Sept. 5	47.32	Dec. 5	47.93
Mar. 7	43.95	13	45.55	12	47.17	12	47.79
14	44.24	20	45.66	19	47.30	19	48.05
21	44.34	27	45.91	26	47.49	26	48.15
28	44.24	July 5	46.05	Oct. 3	47.60	....	....

*Ot Ho 22. City of Holland. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 5 N., R. 15 W. 15 feet south of 24th St. Formerly Ot Ho 8, 8-inch well. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	3.92	May 2	6.72	July 18	6.13	Oct. 17	3.96
10	5.82	16	6.93	Aug. 15	5.74	24	3.78
Feb. 7	5.48	23	6.90	22	5.61	31	3.62
Mar. 7	4.98	31	6.82	29	5.47	Nov. 7	3.45
14	5.55	June 6	6.78	Sept. 5	5.22	14	3.31
21	5.82	13	6.65	12	4.99	21	3.19
28	6.19	20	6.55	19	4.74	28	3.05
Apr. 4	6.29	27	6.46	26	4.53	Dec. 5	2.98
11	6.31	July 5	6.34	Oct. 3	4.32	12	2.94
18	6.18	11	6.25	10	4.13	19	2.95
25	6.42	....	....	....	....	....	....

*Wells Ot Ho 21 and Ot Ho 22 were formerly Ot Ho 8 (a 6-inch well inside an 8-inch well). These two (the 6-inch and the 8-inch) were pulled up and two 1-inch pipes were put in the same holes. These 1-inch wells are designated Ot Ho 21 and Ot Ho 22.

Records for Ot Ho 21 and Ot Ho 22 are available from 1949. Records for Ot Ho 8 are available from 1946.

Presque Isle County

Allis Township

Pr As 13. State Dept. of Conservation. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 33 N., R. 2 E. Records available: 1936-44, 1948-50. Oct. 24, 8.93.

Pr As 18. State Dept. of Conservation. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 33 N., R. 2 E. Records available: 1934-44, 1948-50. Oct. 24, 5.32.

Pr As 19. State Dept. of Conservation. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 33 N., R. 2 E. Records available: 1934-44, 1948-50. Oct. 24, 10.46.

Pr As 20. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 33 N., R. 2 E. Records available: 1934-44, 1948-50. Oct. 24, 5.23.

Roscommon County

Au Sable Township

Ro As 30. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T. 24 N., R. 1 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	18.24	Apr. 17	17.04	July 12	17.06	Oct. 16	17.45
Feb. 13	17.98	May 15	16.82	Aug. 14	17.10	Nov. 14	17.60
Mar. 13	18.01	June 13	16.89	Sept. 13	17.31	Dec. 15	17.66

Backus Township

Ro Bk 9. State Dept. of Conservation. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 22 N., R. 2 W. Records available: 1936-50.

Jan. 12	5.69	Apr. 17	4.37	July 12	5.36	Oct. 16	5.55
Feb. 13	5.40	May 15	4.63	Aug. 14	5.70	Nov. 14	5.68
Mar. 13	5.17	June 13	4.78	Sept. 13	5.85	Dec. 15	5.13

Ro Bk 15. State Dept. of Conservation. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 22 N., R. 2 W. Records available: 1934-50.

Jan. 12	4.47	Apr. 17	2.26	July 12	3.45	Oct. 16	4.23
Feb. 13	3.89	May 15	2.38	Aug. 14	3.95	Nov. 14	4.18
Mar. 13	3.70	June 13	2.69	Sept. 13	4.24	Dec. 15	3.50

Ro Bk 16. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 22 N., R. 2 W. Records available: 1936-50.

Jan. 12	5.85	Apr. 17	3.76	July 12	5.00	Oct. 16	5.98
Feb. 13	5.40	May 15	3.84	Aug. 14	5.54	Nov. 14	5.96
Mar. 13	5.36	June 13	4.37	Sept. 13	5.86	Dec. 15	5.28

Denton Township

Ro Dt 7. State Dept. of Conservation. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 22 N., R. 3 W. Records available: 1934-50.

Jan. 12	8.09	Apr. 17	5.84	July 12	6.61	Oct. 16	7.77
Feb. 13	7.50	May 15	5.72	Aug. 14	7.13	Nov. 14	7.94
Mar. 13	7.42	June 13	6.01	Sept. 13	7.54	Dec. 15	7.58

Ro Dt 20. State Dept. of Conservation. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 22 N., R. 3 W. Records available: 1934-50.

Jan. 12	7.53	Apr. 17	6.27	July 12	7.84	Oct. 16	7.96
Feb. 13	7.39	May 15	6.61	Aug. 14	8.27	Nov. 14	7.77
Mar. 13	7.33	June 13	7.16	Sept. 13	8.02	Dec. 15	7.37

Ro Dt 26. State Dept. of Conservation. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 22 N., R. 3 W. Records available: 1934-50.

Jan. 12	8.29	May 15	6.05	Aug. 14	7.04	Nov. 14	7.98
Feb. 13	7.82	June 13	6.16	Sept. 13	7.47	Dec. 15	7.92
Apr. 17	6.30	July 12	6.58	Oct. 16	7.75		

Gerrish Township

Ro Gr 1. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, T. 24 N., R. 3 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	11.54	Apr. 17	10.28	July 12	9.93	Oct. 16	10.29
Feb. 13	11.23	May 15	9.66	Aug. 14	9.72	Nov. 14	10.48
Mar. 13	11.30	June 13	9.69	Sept. 13	10.13	Dec. 15	10.65

Ro Gr 7. State Dept. of Conservation. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 24 N., R. 3 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	12.69	Apr. 17	10.43	July 12	11.26	Oct. 16	11.95
Feb. 13	12.22	May 15	10.26	Aug. 14	11.17	Nov. 14	12.02
Mar. 13	12.18	June 13	10.84	Sept. 13	11.75	Dec. 15	11.96

Ro Gr 17. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 24 N., R. 3 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	13.38	Apr. 17	12.49	July 12	12.70	Oct. 16	12.80
Feb. 13	13.22	May 15	12.43	Aug. 14	12.32	Nov. 14	12.88
Mar. 13	13.26	June 13	12.59	Sept. 13	12.64	Dec. 15	12.95

Higgins Township

Ro Hg 1. State Dept. of Conservation, Roscommon recorder well. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 24 N., R. 2 W., about 0.6 mile east of U. S. Highway 27 and 82 feet south of section road. Records available: 1934-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.02	5.45	5.70	....	4.48	4.86	5.21	4.85	....	4.99	5.14	5.27
2	6.02	5.47	5.71	2.97	4.49	4.87	5.22	4.77	....	5.00	5.15	5.27
3	6.01	5.48	5.71	....	4.49	4.88	5.18	4.71	5.00	5.00	5.16	5.26
4	5.95	5.50	5.72	....	4.50	4.89	5.18	4.69	....	5.00	5.16	....
5	5.94	5.52	5.72	....	4.51	4.90	5.21	4.68	....	5.00	5.16	....
6	5.94	5.52	5.74	4.43	4.50	4.91	5.22	4.68	....	5.01	5.17	5.27
7	5.94	5.54	5.74	4.46	4.54	4.93	5.24	4.69	....	5.02	5.19	5.26
8	5.94	5.55	5.26	4.48	4.57	4.94	5.25	4.71	....	5.02	5.19	5.17
9	5.59	5.55	4.93	4.52	4.57	4.96	5.27	4.72	....	5.03	5.18	5.13
10	5.95	5.57	5.27	4.54	4.55	4.97	5.28	4.73	5.18	5.03	5.20	5.11
11	5.95	5.57	5.39	4.49	5.58	4.99	5.30	4.76	....	5.03	5.21	5.10
12	5.95	5.59	5.45	4.38	4.60	5.00	5.31	4.69	....	5.03	5.21	5.09
13	5.96	5.60	5.50	4.46	4.60	5.02	5.32	4.81	5.07	5.04	5.21	5.09
14	5.85	5.60	5.53	4.51	4.62	5.03	5.27	4.83	....	5.06	5.22	5.10
15	5.83	5.60	5.56	4.53	4.68	5.06	5.30	4.86	....	5.07	5.22	5.10
16	5.84	5.61	5.58	4.49	4.65	5.06	5.32	4.89	....	5.08	5.21	....
17	5.85	5.62	5.60	4.43	4.67	5.08	5.33	4.92	4.94	5.09	5.23	5.12
18	5.86	5.63	5.62	4.44	4.68	5.10	5.33	4.95	4.93	5.10	5.23	5.13
19	5.87	5.63	5.64	4.45	4.70	....	5.34	4.96	....	5.10	5.23	5.13
20	5.88	5.64	5.66	4.45	4.72	....	5.28	4.99	....	5.11	5.22	5.14
21	5.89	5.64	5.67	4.45	4.73	....	5.29	5.02	....	5.12	5.23	5.15
22	5.90	5.65	5.45	4.47	4.74	5.15	5.29	5.05	....	5.13	5.23	5.14
23	5.91	5.65	5.16	4.47	4.75	5.16	5.30	5.07	....	5.13	5.24	5.16
24	5.91	5.66	5.01	4.49	4.77	5.06	5.31	5.10	4.97	5.14	5.24	5.15
25	5.91	5.67	5.09	4.50	4.78	5.09	5.26	5.13	....	5.14	5.25	5.17
26	4.58	5.68	4.74	4.47	4.79	5.12	5.27	5.13	4.97	5.15	5.23	5.18
27	5.03	5.69	4.33	4.48	4.80	5.15	5.27	5.13	4.97	5.16	5.25	5.20
28	5.25	5.69	4.22	4.48	4.82	5.17	5.28	....	4.97	5.12	5.26	5.19
29	5.33	....	....	4.48	4.83	5.18	5.29	....	4.98	5.12	5.26	5.20
30	5.40	....	....	4.48	4.84	5.19	5.26	....	4.98	5.13	5.26	5.21
31	5.43	....	....	....	4.84	....	5.21	....	....	5.14	....	5.22

Ro Hg 7. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T. 23 N., R. 2 W. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	3.33	Apr. 17	1.89	July 12	3.07	Oct. 16	3.24
Feb. 14	2.93	May 15	2.30	Aug. 14	3.10	Nov. 14	3.19
Mar. 13	2.58	June 13	2.68	Sept. 13	3.18	Dec. 15	2.71

Ro Hg 81. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 24 N., R. 2 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	5.75	Apr. 17	4.08	July 12	4.64	Oct. 16	4.57
Feb. 13	5.49	May 15	4.39	Aug. 14	4.49	Nov. 14	4.72
Mar. 13	5.53	June 13	4.50	Sept. 13	4.44	Dec. 15	4.86

Ro Hg 88. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 24 N., R. 2 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	11.26	Apr. 17	9.65	July 12	9.78	Oct. 16	9.92
Feb. 13	10.77	May 15	9.17	Aug. 14	9.69	Nov. 14	9.95
Mar. 13	10.71	June 13	9.37	Sept. 13	9.94	Dec. 15	9.78

Ro Hg 107. State Dept. of Conservation. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 24 N., R. 2 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	7.82	Apr. 17	6.57	July 12	7.38	Oct. 16	7.50
Feb. 13	7.51	May 15	6.80	Aug. 14	6.94	Nov. 14	7.62
Mar. 13	7.41	June 13	7.11	Sept. 13	7.33	Dec. 15	7.58

Ro Hg 150. State Dept. of Conservation. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 24 N., R. 2 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	5.40	Apr. 17	2.71	July 12	4.53	Oct. 16	4.96
Feb. 13	5.34	May 15	3.00	Aug. 14	4.33	Nov. 14	5.02
Mar. 13	5.25	June 13	3.96	Sept. 13	4.52	Dec. 15	4.64

Ro Hg 1000. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 24 N., R. 2 W. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	7.82	Apr. 17	5.49	July 12	4.92	Oct. 16	5.06
Feb. 13	7.25	May 15	4.40	Aug. 14	4.39	Nov. 14	5.40
Mar. 13	7.29	June 13	4.50	Sept. 13	4.92	Dec. 15	5.39

Markey Township

Ro Mk 5. State Dept. of Conservation. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 23 N., R. 3 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	5.78	Apr. 17	4.38	July 12	5.52	Oct. 16	5.77
Feb. 13	5.56	May 15	4.54	Aug. 14	5.61	Nov. 14	5.71
Mar. 13	5.46	June 13	5.06	Sept. 13	5.76	Dec. 15	5.24

Ro Mk 75. State Dept. of Conservation. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 23 N., R. 3 W. Records available: 1938-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	9.81	Apr. 17	8.53	July 12	8.78	Oct. 16	9.25
Feb. 13	9.56	May 15	8.44	Aug. 14	8.86	Nov. 14	9.35
Mar. 13	9.50	June 13	8.51	Sept. 13	9.14	Dec. 15	9.29

Richfield Township

Ro Rf 5. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 22 N., R. 1 W. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	6.20	Apr. 17	2.78	July 12	5.13	Oct. 16	6.17
Feb. 13	5.95	May 15	3.21	Aug. 14	5.72	Nov. 14	6.26
Mar. 13	5.84	June 13	3.93	Sept. 13	5.72	Dec. 15	5.27

Ro Rf 50. State Dept. of Conservation. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 23 N., R. 1 W. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	7.86	Apr. 17	5.78	July 12	6.37	Oct. 14	6.69
Feb. 13	7.21	May 15	5.50	Aug. 14	5.93	Nov. 14	6.99
Mar. 13	7.15	June 13	5.61	Sept. 13	6.51	Dec. 15	6.42

Roscommon Township

Ro Ro 3. State Dept. of Conservation. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 21 N., R. 3 W. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	17.30	Apr. 17	15.89	July 12	15.93	Oct. 16	16.66
Feb. 13	17.04	May 15	15.77	Aug. 14	15.17	Nov. 14	16.86
Mar. 13	16.98	June 13	15.75	Sept. 13	15.42	Dec. 15	17.04

Ro Fo 4. State Dept. of Conservation. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 22 N., R. 4 W. Records available: 1934-46; 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	4.21	Apr. 17	2.52	July 12	3.86	Oct. 16	4.16
Feb. 13	3.89	May 15	2.69	Aug. 14	4.02	Nov. 14	4.31
Mar. 13	3.82	June 13	3.30	Sept. 13	4.16	Dec. 15	3.79

Ro Fo 8. State Dept. of Conservation. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 21 N., R. 4 W. Records available: 1935-50.

Jan. 12	4.00	May 15	2.68	Aug. 14	4.88	Nov. 14	4.48
Feb. 13	3.61	June 13	3.47	Sept. 13	4.99	Dec. 15	3.73
Apr. 17	2.22	July 12	4.19	Oct. 16	4.91		

Ro Fo 15. State Dept. of Conservation. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 21 N., R. 3 W. Records available: 1934-50.

Jan. 12	10.49	Apr. 17	9.66	July 12	10.18	Oct. 16	10.46
Feb. 13	10.39	May 15	9.69	Aug. 14	10.40	Nov. 17	10.47
Mar. 13	10.38	June 13	9.96	Sept. 13	10.43	Dec. 15	10.34

Ro Fo 50. State Dept. of Conservation. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, T. 21 N., R. 4 W. Records available: 1939-50.

Jan. 12	5.99	Apr. 17	3.37	July 12	5.47	Oct. 16	5.98
Feb. 13	5.51	May 15	3.51	Aug. 14	6.12	Nov. 17	5.88
Mar. 13	5.15	June 13	4.28	Sept. 13	6.06	Dec. 15	6.21

Saginaw County

Village of Chesaning

Sg CH 8. A. B. Adelman. Community well, 30 feet east of Clark St., 20 feet south of Church St. Records available: 1947-50.

Jan. 22	24.96	Mar. 1	36.05	Apr. 12	40.14	Oct. 10	37.79
29	28.36	14	36.99	19	44.27	17	36.19
Feb. 5	31.96	22	39.18	26	45.20	25	37.13
15	23.80	29	40.29	May 3	44.79	Nov. 3	36.92
22	28.68	Apr. 4	39.95	Oct. 2	39.50		

Sg CH 9. August Bauer. 77 feet east of Clark St., 177 feet south of W. Broad St. Drilled unused domestic well, diameter 2 inches, depth 72 feet. Records available: 1950. Sept. 19, 53.80; Oct. 2, 52.61; Oct. 10, 50.79; Oct. 17, 63.99; Oct. 25, 54.92; Nov. 3, 55.59.

St. Joseph County

City of Three Rivers

Sp TR 1. City of Three Rivers. About 350 feet south of West Michigan St. on island at confluence of the St. Joseph and Rock Rivers. Records available: 1939-50.

Jan. 24	0.01	Feb. 4	0.09	Oct. 2	2.11	Oct. 25	0.90
31	3.01	10	+ .92	17	.77	31	.84

Florence Township

Sp Fr 2. J. C. Barnhart. In SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 7 S., R. 11 W. Records available: 1945-50.

Jan. 5	12.69	Mar. 16	10.61	May 25	6.83	Aug. 3	6.74
12	12.65	23	10.38	June 1	7.05	10	6.93
19	12.17	30	9.89	8	6.30	17	7.06
26	11.70	Apr. 6	9.32	15	6.22	24	7.28
Feb. 2	11.58	13	8.48	22	6.25	Sept. 7	6.96
9	11.17	20	8.23	29	5.94	14	7.47
16	10.90	27	7.17	July 6	5.78	21	7.18
23	10.91	May 4	7.07	13	5.79	28	7.21
Mar. 2	10.83	11	7.03	20	5.91	Oct. 5	7.26
9	10.77	18	7.06	27	6.56	12	7.52

Sp Fr 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 26	8.06	Nov. 16	7.97	Dec. 7	7.68	Dec. 21	7.76
Nov. 2	8.07	30	7.98	14	7.68	28	7.92
9	7.91						

Sanilac County

Moore Township

Sa Mr 1. State Highway Dept. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 33, T. 12 N., R. 13 E. 72 feet west of State Highway M-19, 57 feet north of State Highway M-46. Records available: 1948-50.

Jan. 4	19.45	Mar. 29	17.80	July 19	17.98	Oct. 11	18.45
11	19.30	Apr. 5	17.80	26	17.98	18	18.43
18	18.70	12	16.90	Aug. 2	18.68	25	18.44
25	18.80	19	16.96	9	18.47	Nov. 1	18.20
Feb. 1	18.30	26	16.96	16	18.47	8	17.30
8	18.50	May 3	16.96	23	18.36	15	17.10
15	19.30	10	16.98	30	18.28	22	16.75
22	19.40	17	16.98	Sept. 6	18.40	29	16.50
Mar. 1	19.00	24	16.98	13	18.50	Dec. 6	16.50
8	19.00	30	16.98	20	18.50	13	16.50
15	19.30	July 5	18.98	27	18.50	20	16.50
22	18.40	12	18.95	Oct. 4	18.40	27	16.80

Shiawassee County

City of Owosso

Sh OW 2. City of Owosso. 350 feet east of Oakwood Ave., 600 feet south of Jerome Ave. Records available: 1948-50.

Jan. 3	11.72	Jan. 30	9.00	Feb. 28	9.86	Apr. 3	1.43
16	21.30	Feb. 8	22.29	Mar. 21	17.39	11	12.41
23	12.23	13	10.35	27	5.54	17	13.14

Village of Perry

Sh PR 8. Arthur B. Cobb. 170 feet west of Main St., 100 feet south of Second St. Records available: 1948-50.

Jan. 3	20.06	Mar. 5	18.95	May 3	17.28	July 7	18.30
23	19.25	30	18.22	June 16	17.70	12	18.49
Feb. 7	19.19	Apr. 12	17.36				

Washtenaw County

City of Ypsilanti

Measurements for 1950 for wells Wa YP 3, Wa YP 40, and Wa YP 44 are withheld from publication pending corrections. (See Water-Supply Paper 1191.)

Pittsfield Township

Wa Pf 1. City of Ann Arbor. $SW\frac{1}{4}NW\frac{1}{4}$ sec. 16, T. 3 S., R. 6 E., about 200 feet south of main building of Steere Farm pumping station of city waterworks. Measurements by city personnel. Records available: 1940-50.

Jan. 8	5.00	Mar. 30	0.71	Aug. 3	3.33	Oct. 20	2.80
15	4.18	Apr. 2	.36	9	3.20	28	5.66
22	4.42	May 30	.55	15	2.69	Nov. 7	5.61
30	3.00	June 14	.51	27	3.63	16	5.45
Feb. 2	3.40	21	1.07	Sept. 7	3.90	23	6.10
10	2.91	28	.80	14	5.45	29	6.63
18	2.73	July 1	1.40	21	5.73	Dec. 7	6.37
26	2.84	8	1.04	28	5.10	15	3.91
Mar. 2	2.95	16	2.40	Oct. 8	5.57	22	2.18
10	2.14	28	1.55	14	5.33	30	3.90
18	2.20						

Wa Pf 2. City of Ann Arbor, Steere Farm pumping station. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 3 S., R. 6 E. 1,380 feet east of west section line, 1,800 feet south of north section line. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	7.60	Apr. 2	3.29	July 1	4.60	Oct. 8	9.60
15	7.58	9	1.88	8	3.20	14	8.56
22	7.43	16	2.20	16	6.18	20	2.60
30	5.38	27	.83	28	5.70	28	9.00
Feb. 2	6.00	May 7	2.02	Aug. 3	7.34	Nov. 7	9.44
10	5.30	15	2.26	9	6.80	16	8.66
18	7.01	21	2.81	15	5.47	23	9.75
26	7.58	30	4.60	27	7.21	29	10.81
Mar. 2	6.68	June 7	.23	Sept. 7	7.01	Dec. 7	10.32
10	5.91	14	3.30	14	10.90	15	6.46
18	5.78	21	3.93	21	7.94	22	3.25
30	4.31	28	4.20	28	8.83	30	6.60

York Township

Wa Yk 20. Ypsilanti State Hospital. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, T. 4 S., R. 6 E., about 1,050 feet south of Willis Road, 110 feet east of Moon Road. Records available: 1946-50.

Jan. 13	81.96	Jan. 27	81.51	Mar. 17	79.78	Apr. 21	80.36
16	61.24	Feb. 3	63.06	Apr. 14	63.14	28	62.24
20	72.66	10	61.31				

Wa Yk 22. Ypsilanti State Hospital. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 4 S., R. 6 E., about 2,200 feet south of Willis Rd., 15 feet east of Warner Rd. Records available: 1946-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70.24	.....	.....	.....	71.78	.....	72.43	.....	72.27	72.63	72.54	71.29
2	70.15	.....	.....	.....	71.82	72.29	e72.48	.....	72.30	72.62	72.38	71.25
3	69.95	71.30	72.14	.....	71.80	72.20	72.53	.....	72.34	72.56	72.41	71.10
4	.....	.....	72.20	.....	71.73	72.18	e72.55	.....	72.38	72.54	72.30	71.10
5	.....	.....	72.12	.....	71.67	72.19	72.59	.....	72.48	72.50	72.13	71.21
6	.....	.....	72.17	.....	71.61	72.20	72.62	.....	72.55	72.49	72.07	71.25
7	.....	.....	72.17	.....	71.73	72.27	72.68	.....	.....	72.45	72.07	71.12
8	.....	.....	71.96	.....	71.93	.....	72.74	.....	72.55	72.37	71.90	71.04
9	.....	.....	72.10	.....	71.89	72.30	72.80	.....	72.50	72.32	71.74	71.11
10	.....	71.60	72.28	.....	71.75	72.21	e72.86	.....	72.49	72.19	71.83	71.06
11	.....	71.60	.....	.....	71.87	72.22	e72.90	72.37	72.49	72.23	71.86	71.06
12	.....	71.74	.....	.....	71.89	72.28	e72.91	e72.35	72.52	72.15	71.89	71.01
13	.....	71.81	.....	.....	71.83	72.28	72.87	e72.35	72.49	72.23	71.84	71.01
14	.....	71.63	.....	72.02	71.86	72.20	72.93	72.32	72.52	72.28	71.85	71.04
15	.....	71.55	.....	72.00	71.81	72.27	e73.01	72.24	72.52	72.29	71.77	71.01
16	.....	71.62	.....	71.98	71.90	72.23	e73.02	72.16	72.56	72.37	71.65	71.09
17	69.80	71.71	71.90	71.89	71.97	72.25	e73.02	72.13	72.62	72.36	71.66	71.13
18	.....	71.84	71.90	71.82	71.98	72.35	73.97	72.03	72.66	72.37	71.70	71.21
19	.....	71.78	72.11	71.78	72.04	72.28	e73.06	72.07	72.51	72.34	71.59	71.25
20	70.35	71.96	72.11	71.78	72.08	72.24	72.89	72.06	72.55	72.33	71.48	71.29
21	70.34	71.97	72.04	71.76	72.14	72.24	72.98	72.10	72.51	72.38	71.59	71.40
22	70.27	71.80	72.01	71.79	72.12	72.29	73.01	72.07	72.42	72.37	71.54	71.27
23	.....	71.70	71.95	71.72	72.12	72.22	e73.00	72.10	72.43	72.42	71.55	71.38
24	.....	71.76	72.01	71.69	72.15	72.17	72.94	72.16	72.50	72.53	71.56	71.28
25	.....	.....	e71.99	71.62	72.16	72.17	e72.92	72.17	72.55	72.57	71.61	71.36
26	.....	.....	.....	71.59	72.18	72.20	72.89	72.21	72.59	72.70	71.16	71.42
27	70.77	.....	.....	71.68	.....	72.19	72.82	72.22	72.64	72.74	71.25	.....
28	.....	.....	.....	71.76	.....	72.29	72.73	72.23	72.64	72.65	71.29	.....
29	.....	.....	.....	71.82	.....	72.30	.....	72.22	72.66	72.70	71.34	71.46
30	.....	.....	.....	71.82	.....	72.34	.....	72.27	72.64	72.72	71.24	71.48
31	.....	.....	.....	.....	.....	.....	.....	72.28	.....	72.65	.....	71.49

e Estimated.

Ypsilanti Township

Wa Yp 8. Ford Motor Co. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 3 S., R. 7 E. Drilled test well, diameter 4 inches, depth 87 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 6, '49	11.05	Feb. 21, '50	11.00	May 24, '50	9.93	Aug. 29, '50	12.45
14	11.17	Mar. 7	11.95	31	11.55	Sept. 7	12.30
20	11.15	15	12.00	June 7	11.40	12	12.24
30	11.06	21	12.27	14	11.83	19	11.99
Jan. 5, '50	5.79	29	11.34	20	11.63	27	12.02
10	10.91	Apr. 4	10.64	July 11	12.01	Oct. 10	12.21
18	11.42	12	11.34	18	12.19	19	12.27
25	11.53	May 3	11.51	Aug. 9	12.32	31	11.90
Feb. 7	11.17	10	11.81	16	12.23	Nov. 7	12.00
15	10.56	16	11.71	22	12.31	14	11.78

Wa Yp 9. Ford Motor Co. E $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 24, T. 3 S., R. 7 E. Drilled test well, diameter 4 inches, depth 56 feet. Records available: 1949-50.

Dec. 6, '49	13.52	Mar. 7, '50	16.03	May 31, '50	15.56	Sept. 7, '50	18.01
14	13.72	14	16.46	June 7	15.83	12	17.38
20	13.03	21	16.51	14	16.64	19	17.45
30	13.87	29	14.56	20	15.93	27	17.85
Jan. 5, '50	13.09	Apr. 4	13.40	July 11	17.10	Oct. 12	18.03
10	14.02	12	15.52	18	17.55	19	18.88
18	15.34	May 3	16.12	Aug. 9	18.22	31	17.15
25	14.93	10	16.30	16	17.88	Nov. 7	17.47
Feb. 7	14.11	16	16.08	22	17.98	14	16.69
15	12.27	24	16.61	29	18.42	Dec. 1	17.35
21	14.12						

Wa Yp 10. Ford Motor Co. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 3 S., R. 7 E. Drilled test well, diameter 4 inches, depth 68 feet. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 6, '49	1.72	Mar. 7, '50	3.18	May 31, '50	2.42	Aug. 29, '50	3.44
14	1.82	15	3.36	June 7	2.30	Sept. 7	3.37
20	2.01	21	2.52	14	2.88	12	3.20
30	1.68	29	1.29	20	2.48	19	2.97
Jan. 5, '50	.99	Apr. 12	2.11	July 11	3.40	27	3.29
10	1.30	May 3	2.41	18	3.43	Oct. 12	3.63
18	2.59	10	2.55	Aug. 9	3.42	19	3.87
25	2.44	16	2.54	16	3.29	31	3.26
Feb. 7	1.79	24	2.58	22	3.36	Nov. 14	3.11
21	1.87						

Wa Yp 11. Ford Motor Co. E $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 24, T. 3 S., R. 7 E. Drilled test well, diameter 4 inches, depth 78 feet. Records available: 1949-50.

Dec. 6, '49	13.86	Feb. 21, '50	13.80	May 24, '50	16.45	Aug. 29, '50	18.85
14	12.33	Mar. 7	15.80	31	16.04	Sept. 7	18.57
20	13.43	15	15.84	June 7	15.84	12	18.01
30	13.40	21	16.20	14	17.26	19	17.95
Jan. 5, '50	11.55	29	14.54	20	16.01	27	18.35
10	13.83	Apr. 4	13.86	July 11	17.32	Oct. 12	18.79
18	15.11	12	15.36	18	17.93	19	19.29
25	14.45	May 3	16.24	Aug. 9	19.02	Nov. 7	18.06
Feb. 7	13.62	10	16.51	16	18.34	14	16.76
15	11.96	16	16.80	22	18.54	Dec. 1	17.83

Wa Yp 12. Ford Motor Co. $E\frac{1}{2}SW\frac{1}{4}$ sec. 24, T. 3 S., R. 7 E. Drilled test well,
diameter 4 inches, depth 78 feet. Records available: 1949-50.

Dec. 6, '49	17.62	Mar. 7, '50	15.98	May 31, '50	18.52	Sept. 7, '50	20.30
14	16.44	15	16.20	June 7	18.58	12	20.33
20	16.35	21	16.44	14	18.75	19	20.37
30	16.18	29	16.71	20	18.86	27	20.40
Jan. 5, '50	15.23	Apr. 4	16.78	July 11	19.15	Oct. 12	20.66
10	15.98	12	16.79	18	19.30	19	20.77
18	16.02	May 3	17.50	Aug. 9	19.78	31	20.67
25	16.09	10	17.83	16	19.91	Nov. 7	19.64
Feb. 7	15.95	16	18.05	22	20.04	14	20.54
15	15.85	24	18.33	29	20.24	Dec. 1	20.31
21	15.79						

Wa Yp 13. Ford Motor Co. $E\frac{1}{2}SW\frac{1}{4}$ sec. 24, T. 3 S., R. 7 E. Drilled test well,
diameter 6 inches, depth 75 feet. Records available: 1949-50.

Dec. 6, '49	5.85	Feb. 21, '50	7.92	May 24, '50	10.43	Aug. 29, '50	12.44
14	6.09	Mar. 7	9.84	31	9.74	Sept. 7	12.22
20	6.89	15	10.64	June 7	9.77	12	11.83
30	6.97	21	10.38	14	11.20	19	11.66
Jan. 5, '50	6.29	29	8.44	20	10.07	27	12.08
10	8.19	Apr. 4	7.32	July 11	11.18	Oct. 12	12.40
18	9.31	12	9.21	18	11.62	19	12.90
25	8.19	May 3	10.11	Aug. 9	12.52	31	11.50
Feb. 7	7.41	10	11.48	16	12.02	Nov. 7	11.49
15	5.69	16	10.09	22	12.07	14	10.63

Wexford County

City of Cadillac

We CD 1. City of Cadillac. $NW\frac{1}{4}NE\frac{1}{4}$ sec. 4, T. 21 N., R. 9 W. 307 feet south of
Pine St. extended and 819 feet west of railroad spur. Records available: 1949-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.44	22.37	22.25	22.01	21.71	21.61	22.14	22.21	22.28	22.27	22.56	22.80
2	22.39	22.33	22.33	22.08	21.73	21.63	21.77	22.12	22.32	22.24	22.60	22.80
3	22.28	22.34	22.37	22.02	21.71	21.92	21.78	22.14	22.12	22.39	22.68	22.58
4	22.63	22.33	22.39	22.04	21.69	21.65	21.72	22.18	22.09	22.44	22.65	22.61
5	22.83	22.36	22.28	22.07	21.67	21.59	21.93	22.20	22.13	22.44	22.44	22.84
6	22.53	22.24	22.39	22.14	21.62	21.91	22.08	22.03	22.30	22.45	22.40	22.86
7	22.48	22.32	22.31	22.07	21.77	22.02	22.12	22.08	22.30	22.44	22.65	22.77
8	22.55	22.34	22.19	22.04	21.82	22.03	22.15	22.13	22.30	22.25	22.65	22.74
9	22.38	22.21	22.34	22.06	21.69	22.01	21.93	22.15	22.31	22.25	22.56	22.84
10	22.34	22.28	22.41	21.97	21.72	21.99	21.82	22.16	22.13	22.42	22.71	22.68
11	22.48	22.26	22.29	21.80	21.73	21.76	22.10	22.20	22.09	22.46	22.73	22.66
12	22.48	22.36	22.30	.....	21.68	21.70	22.10	22.21	.....	22.46	22.62	22.80
13	22.41	22.34	22.27	.....	21.61	21.95	22.04	22.04	.....	22.55	22.50	22.84
14	22.26	22.27	22.27	.....	21.64	22.03	22.16	22.10	.....	22.55	22.69	22.88
15	22.48	22.17	22.26	.....	21.62	22.06	22.16	22.11	.....	22.39	22.65	22.89
16	22.42	22.26	22.31	.....	21.68	22.02	21.84	22.19	.....	22.37	22.57	22.90
17	.....	22.33	22.26	21.83	21.66	22.10	21.79	22.21	.....	22.50	22.71	22.77
18	.....	22.32	22.27	21.83	21.65	21.77	22.12	22.27	22.31	22.53	22.71	22.75
19	.....	22.30	22.37	21.82	21.65	21.67	22.16	22.22	22.29	22.49	22.50	22.87
20	.....	22.37	22.31	21.82	21.65	22.09	22.14	22.06	22.37	22.55	22.52	22.91
21	.....	22.31	22.25	21.82	21.62	22.08	22.19	22.03	22.36	22.53	22.76	22.96
22	.....	22.26	22.21	21.83	21.58	22.09	22.20	22.22	22.33	22.37	22.74	22.84
23	.....	22.23	22.19	21.76	21.60	21.98	21.91	22.23	22.35	22.34	22.65	22.92
24	.....	22.27	22.25	21.78	21.65	21.96	22.00	22.29	22.27	22.53	22.68	22.68
25	.....	22.37	22.23	21.73	21.62	21.80	22.17	22.26	22.17	22.55	22.80	22.75
26	.....	22.34	22.26	21.71	21.64	21.70	22.21	22.32	22.39	22.62	22.47	22.87
27	.....	22.37	22.08	21.78	21.68	22.03	22.20	22.06	22.43	22.59	22.52	22.96
28	.....	22.28	22.05	21.80	21.66	22.10	22.21	22.04	22.42	22.55	22.74	22.90
29	.....	.....	22.20	21.82	21.63	22.11	22.22	22.20	22.45	22.43	22.78	22.91
30	.....	.....	22.27	21.78	21.59	22.10	.....	22.26	22.44	22.41	22.73	22.96
31	.....	.....	22.18	.....	21.51	.....	22.15	22.28	.....	22.56	.....	22.81

Greenwood Township

We Gw 2. State Dept. of Conservation. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 24 N., R. 10 W. Records available: 1935-37, 1941-44, 1948-50. Oct. 23, 3.41.

We Gw 3. State Dept. of Conservation. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 24 N., R. 10 W. Records available: 1935-37, 1941-44, 1948-50. Oct. 23, 8.71.

We Gw 4. State Dept. of Conservation. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 24 N., R. 10 W. Records available: 1935-44, 1948-50. Oct. 23, 2.64.

We Gw 42. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 24 N., R. 10 W. Records available: 1935-44, 1948-50. Oct. 23, 4.20.

Henderson Township

We Hn 1. State Dept. of Conservation. NE $\frac{1}{4}$ sec. 13, T. 21 N., R. 11 W. 260 feet south of north line and 1,640 feet west of east line of section 13. Records available: 1948-50.

Daily 2 a. m. water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	48.55	48.63	.....	47.68	.....	47.81	48.00	48.24	48.48	48.66	48.91
2	48.37	48.54	48.66	.....	47.69	.....	47.78	48.00	48.25	48.48	48.68	48.88
3	48.34	48.56	48.66	48.24	47.68	.....	47.82	48.02	48.25	48.48	47.70	48.90
4	48.39	48.55	48.67	48.22	47.67	.....	47.80	48.03	48.27	48.49	48.69	48.92
5	48.45	48.56	48.63	48.21	47.66	47.68	47.83	48.04	48.28	48.49	.....	48.93
6	48.43	48.51	48.68	48.22	47.65	.....	47.83	48.04	48.28	48.50	48.72	48.93
7	48.43	48.57	48.65	48.15	47.70	.....	47.84	48.05	48.28	48.50	48.74	48.91
8	48.47	48.57	48.62	48.13	47.72	.....	47.85	48.05	.....	.....	48.72	48.92
9	48.40	48.52	48.70	48.13	47.63	.....	47.85	48.05	.....	48.54	48.70	48.95
10	48.43	48.56	48.69	48.08	47.64	.....	47.86	48.06	.....	48.53	48.76	48.95
11	48.50	48.56	48.62	48.00	47.68	.....	47.86	48.08	48.32	48.53	.....	48.95
12	48.47	48.59	48.65	48.07	47.66	47.72	47.85	48.09	48.32	48.55	.....	48.95
13	48.46	48.58	48.63	48.01	47.63	47.69	47.85	48.09	48.33	48.57	48.77	48.96
14	48.41	48.56	48.64	47.98	47.65	47.72	47.89	48.10	48.34	48.57	48.77	48.97
15	48.51	48.55	48.63	47.95	47.64	47.73	47.89	48.09	48.35	.....	48.75	48.97
16	48.52	48.58	48.65	47.92	47.67	47.71	47.88	48.11	48.36	48.56	48.74	48.99
17	48.54	48.60	48.62	47.87	47.66	47.75	47.89	48.11	48.38	48.57	48.81	49.00
18	48.42	48.60	48.68	47.87	47.66	47.75	47.90	48.14	48.38	48.59	48.78	49.00
19	48.53	48.61	48.68	47.83	47.66	47.73	47.92	48.12	48.36	48.58	.....	49.00
20	48.55	48.62	48.65	47.82	47.66	47.74	47.91	48.14	48.40	48.60	48.82	49.01
21	48.52	48.60	48.64	47.80	47.66	47.75	47.93	48.15	48.39	48.60	48.84	49.02
22	48.52	48.60	48.65	47.79	47.64	47.75	47.93	48.16	48.40	48.61	48.82	48.99
23	48.54	48.60	48.66	47.74	47.65	47.73	47.93	48.16	48.40	48.63	48.83	49.04
24	48.56	48.63	48.67	47.75	.....	47.75	47.93	48.18	48.44	48.63	.....	49.01
25	48.56	48.65	48.66	47.72	.....	47.77	47.95	48.17	48.41	48.63	.....	49.07
26	48.57	48.64	48.64	47.72	.....	47.74	47.96	48.20	48.44	48.65	.....	49.07
27	48.60	48.65	48.53	47.74	.....	47.76	47.96	48.19	48.45	48.63	48.87	49.08
28	48.53	48.61	48.53	47.73	.....	47.78	47.96	48.20	48.45	48.64	48.88	49.06
29	48.48	.....	.....	47.72	47.66	47.78	47.96	48.21	48.47	48.66	48.87	49.07
30	48.59	.....	.....	47.70	.....	47.78	47.97	48.23	48.47	48.66	48.86	49.08
31	48.53	.....	.....	.....	.....	.....	47.98	48.23	.....	.....	.....	49.08

e Estimated.

Liberty Township

We Lb 7. State Dept. of Conservation. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 24 N., R. 9 W. Records available: 1935-37, 1941-44, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	11.62	May 22	1.67	Aug. 29	12.01	Nov. 27	12.44
Mar. 21	.00	June 21	11.15	Sept. 25	12.58	Dec. 26	12.22
Apr. 27	1.53	July 10	11.52	Oct. 23	12.91		

We Lb 38. State Dept. of Conservation. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 24 N., R. 9 W. Records available: 1935-37, 1941-44, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	1.11	May 22	1.47	Aug. 29	1.80	Nov. 28	1.47
Mar. 21	1.37	June 21	1.96	Sept. 25	1.68	Dec. 26	1.44
Apr. 27	1.24	July 10	2.13	Oct. 23	1.72		

NEW HAMPSHIRE

By Marvin A. Pistrang

Scope of Water-Level Program

The observation-well program in New Hampshire was continued in 1950. Measurements were made in the observation wells in the town of Hill and in New London. The recording gage in the well at Auburn was in operation during the year.

Precipitation

Precipitation for the State as a whole during 1950 was 40.65 inches, or 1.36 inches above normal. The total for the preceding year was 35.62 inches. Precipitation for the year at Franklin, about 17 miles east of New London and about 11 miles south of Bristol, was 37.52 inches, 2.40 inches below normal. Precipitation for the year at Concord, about 15 miles north of Auburn, was 34.53 inches, or 2.98 inches below normal. Water levels in the three observation wells indicated a net gain in ground-water storage during the year.

Interpretation of Water-Level Fluctuations

In 1950 the water levels in the Auburn and New London wells rose during the mild weather in early January. This upward trend was stopped by normal freezing temperatures. Toward the end of January the water levels rose again and in February began to decline. On February 9 a small but abrupt rise was recorded at Auburn, which coincided with a day of high temperature and rain. The winter decline of ground-water levels was again interrupted on March 8 and 9, when melting snow and rain caused a rise in the water table at Auburn and Bristol. Daily fluctuations with the high point after noon were recorded at Auburn including an extreme high on March 23 due to additional heavy rain. The spring thaw caused a rise in the water table in the Bristol and New London areas during the first week of April. Water levels showed a decline until autumn. By the end of November, water levels were at high stages where they remained through the end of the year.

Well Descriptions and Water-Level Measurements

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

Merrimack County

Bristol 1. J. E. Norcross. In town of Hill, about 0.2 mile south of Smith River, 1 mile west of U. S. Highway 3A. Penetrates sandy glacial till. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	9.50	Apr. 9	4.16	July 2	9.11	Oct. 1	10.36
15	9.51	16	4.11	9	9.21	8	10.36
22	9.26	23	3.96	16	9.46	15	10.37
29	9.41	30	5.21	23	9.37	22	10.39
Feb. 5	9.26	May 7	7.31	30	9.56	29	10.56
12	9.46	14	8.41	Aug. 13	9.76	Nov. 5	10.56
19	9.36	21	9.01	20	10.11	26	10.46
27	9.51	28	8.91	27	10.06	Dec. 3	9.36
Mar. 5	9.46	June 4	8.86	Sept. 3	9.46	10	8.66
12	9.16	11	8.96	10	10.26	17	8.13
19	9.16	18	8.91	17	10.16	24	8.56
26	9.01	25	8.96	24	9.96	31	8.54
Apr. 2	5.21						

New London 1. W. S. Mariner. About 750 feet northeast of State Highway 114, 2.1 miles southeast of New London. Penetrates sandy glacial till. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.60	Apr. 2	3.62	July 2	9.21	Oct. 1	13.16
8	10.99	9	3.03	9	9.75	8	13.33
15	8.91	16	4.21	16	10.25	15	13.64
22	8.16	23	3.22	23	10.67	22	13.98
29	8.21	30	4.52	30	11.17	29	13.96
Feb. 5	7.57	May 7	5.37	Aug. 6	11.72	Nov. 5	14.22
12	7.82	14	6.34	13	11.95	12	14.32
19	7.31	21	6.99	20	12.31	19	14.37
26	8.20	28	7.32	27	12.71	Dec. 3	6.43
Mar. 5	9.40	June 4	7.34	Sept. 3	12.71	10	4.41
12	8.43	11	6.58	10	12.37	17	4.97
19	8.55	18	7.66	17	12.70	24	6.30
26	8.18	25	8.45	24	12.88	31	7.13

Rockingham County

Auburn 8. Manchester Water Works. About 250 feet east of the intersection of Hookset and Depot Rds., 0.9 mile north of Auburn. Penetrates unconsolidated deposits. Records available: 1942-50.

Daily water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.52	1.48	1.67	1.45	1.60	1.97	3.94	6.02	6.72	6.56	6.13	3.11
2	2.54	1.46	1.69	1.39	1.57	1.92	4.04	6.04	6.03	6.60	6.15	3.14
3	2.50	1.48	1.69	1.40	1.63	2.00	4.13	6.06	5.86	6.63	6.15	3.13
4	2.30	1.48	1.70	1.33	1.66	1.87	4.21	6.09	5.77	6.65	6.16	3.11
5	2.19	1.52	1.70	1.28	1.70	2.07	4.22	6.14	5.69	6.67	6.13	2.73
6	2.11	1.52	1.72	1.35	1.70	2.17	4.30	6.18	5.65	6.70	6.03	2.76
7	1.73	1.54	1.73	1.42	1.74	2.27	4.40	6.22	5.64	....	5.96	2.80
8	1.95	1.55	1.73	1.43	1.76	2.33	4.51	6.25	5.65	....	5.93	2.76
9	1.99	1.53	1.31	1.43	1.78	2.43	4.61	6.30	5.67	....	5.91	1.92
10	2.02	1.45	1.48	1.48	1.74	2.50	4.71	6.34	5.71	....	5.89	2.04
11	1.99	1.49	e1.65	1.50	1.79	2.34	4.78	6.38	5.74	h7.22	5.89	1.97
12	2.02	1.52	1.70	1.50	1.82	2.54	4.86	6.44	5.78	6.79	5.88	2.04
13	2.02	1.53	1.70	1.52	1.84	2.61	4.92	6.48	5.82	6.31	5.88	2.08
14	1.77	1.55	1.72	1.48	1.88	2.67	4.99	6.56	5.87	6.10	5.90	2.10
15	1.82	1.55	1.72	1.53	1.88	2.76	5.07	6.60	5.91	6.02	5.90	2.08
16	1.74	1.56	1.74	1.54	1.90	2.84	5.14	6.63	5.95	6.00	5.90	2.01
17	1.77	1.57	1.74	1.55	1.92	2.82	5.19	6.67	6.01	6.00	5.89	2.01
18	1.76	1.55	1.72	1.57	1.93	2.83	5.25	6.67	6.05	6.00	5.89	1.98
19	1.72	1.56	1.77	1.59	1.82	2.98	5.32	6.68	6.08	6.00	5.90	1.99
20	1.70	1.57	1.72	1.58	1.88	3.02	5.38	6.69	6.12	6.01	5.90	2.00
21	1.70	1.59	1.73	1.26	1.93	3.00	5.42	6.66	6.16	6.04	5.78	2.01
22	1.68	1.60	1.69	1.37	1.98	2.99	5.48	6.61	6.21	6.05	5.48	2.00
23	1.65	1.61	.78	1.42	2.00	3.15	5.53	6.60	6.25	6.07	5.39	1.94
24	1.64	1.61	1.28	1.46	2.03	e3.28	5.59	6.60	6.29	6.08	5.35	1.87
25	1.61	1.63	1.42	1.48	2.05	e3.38	5.63	6.63	6.34	6.08	5.29	1.83
26	1.52	1.65	1.44	1.45	2.08	e3.48	5.69	6.68	6.36	6.08	3.78	1.85
27	1.43	1.66	1.48	1.52	2.15	3.58	5.75	6.71	6.39	6.10	3.18	1.86
28	1.49	1.68	1.25	1.53	2.19	3.62	5.82	....	6.43	6.11	3.07	1.86
29	1.48		1.27	1.55	2.18	3.74	5.87	....	6.49	6.12	2.90	1.85
30	1.41		1.33	1.58	1.87	3.85	5.93	....	6.53	6.12	3.01	1.80
31	1.44		1.43		1.95		5.98	....		6.13		1.77

e Estimated.

h Tape measurement.

NEW JERSEY

By J. M. Birdsall, J. M. Ludlow, and C. R. Austin

Scope of Water-Level Program

The observation-well program in New Jersey was continued in 1950 in cooperation with the State Department of Conservation and Economic Development, Division of Water Policy and Supply. At the end of the year measurements were being made in 170 wells and recording gages were in operation on 73 wells.

Precipitation

Precipitation for the year averaged 44.12 inches for the State, which was 1.44 inches below normal. The wettest month was November with an average of 5.49 inches, and the next wettest month was July with an average of 5.15. The driest month was October with an average precipitation of 1.88. On November 25 the entire State was affected by a storm of near-hurricane force. On this date, the micro-barograph at Toms River recorded a low of 29 at 2 p. m. Eastern Standard Time. This represented a drop from 30.07 at 11 a. m. on the preceding day. During this period the water level in a nearby water-table well rose from 4.07 to 4.22 feet above mean sea level.

Interpretation of Water-Level Fluctuations

As in previous years, the ground-water storage in the Morrell well in Middlesex County remained uniformly high through May. During July and August of 1950 the transpiration effect was counteracted by considerable precipitation. In practically every case, the hydrograph showed a direct relationship between the precipitation and the rise in the water level. Following the storm of November 25, when the reported precipitation at Runyon was 3.60 inches, the water level rose from 73.34 to 74.84 feet above mean sea level in 14 hours. For the year, the total precipitation at Runyon amounted to 46.93, compared with a total precipitation of 39.65 for 1949. In the Atlantic City area, the artesian pressure in well 36.13.2.9.1 at the Pleasantville pumping station, which taps the Atlantic City 800-foot sand (a part of the Kirkwood formation), was such that there was a seasonal trend similar to that for 1949, except that from the first of 1950 until the second week in June, the water level was as much as 1.3 feet below that of the preceding year. From then until the third week in October 1950, the record was slightly above that for 1949, and from then it remained below this until the end of the year when it was about 0.8 foot below that on December 31, 1949. At the beginning of 1950 the water level was 23.5 feet below mean sea level, and at the end, 24.5 feet below mean sea level. The trend in general, other than starting lower and ending lower, was in line with that of preceding years. In the Longport 14th Avenue well, in the Atlantic City 800-foot sand, the average daily water level in feet below mean sea level was 41.6 feet in January as compared with 40.8 feet in 1949, and at the end of the year it was 43.3 feet. The record from the water levels in this well is characterized by daily tidal fluctuations of between 2 and 3 feet. Because of the fact that many of the figures for this well in the 1941 annual water-level report were incorrect, the correct tabulation for the entire year is included with this report. The Normandie and American Ice Company wells, on the barrier beach south of Absecon Island, tap the Atlantic City 800-foot sand member of the Kirkwood formation. These wells reflect the seasonal trend resulting in lowering of the water level due to increased pumpage in June, July, and August, followed by recovery the rest of the year. At the beginning of the year, the lowest daily water level in the Normandie well was 34.5 feet below mean sea level as compared with 32.9 feet at the beginning of the preceding year; and at the end of the year this figure was 36.1 as compared with 34.4 for the end of 1949. The Normandie well had a record low of 63 feet below mean sea level on August 31 of this year, probably the result of heavy pumping. The American Ice Company well showed a similar trend to that of the Normandie well, with a lowest daily figure of 33.7 feet below mean sea level on the first of January 1950 compared with 31.8 feet on the first of the preceding year. At the end of 1950 the lowest daily was 44.8 feet below mean sea level as compared with 33.5 feet on December 31, 1949. The low for this well for 1950 was 61.3 feet below mean sea level on August 28. In Bergen County, a record low of 21.8 feet above mean sea level was noted in the Baker well on January 5, 1950. The preceding low for this well was 21.9 on December 31, 1949. As the low which preceded this was 28.7 on December 31, 1948, this year's low could be attributed to a combination of lower precipitation and increased pumping. In the Camden area, a record low of 29.8 feet below mean sea level was noted in well 10 of the New Jersey Water

Company on August 28, 1950, the previous low for this well being 29 feet below mean sea level on June 24, 1949. This low may be attributed to pumping in the area. In Essex County, a record low of 64.14 feet above mean sea level was noted on November 2, 1950, in test well 10 at the Short Hills Station of the Commonwealth Water Company, the previous low having been 64.22 feet above mean sea level on October 31, 1941. This year's low may be attributed to a deficiency in precipitation and pumping. In the Runyon area, in the Fischer test well, there was a record low noted of 56.55 feet above mean sea level on January 28, 1950, the previous low having been 56.61 on December 31, 1949. This low may be attributed to a deficiency in precipitation. In Salem County, record lows were observed in three wells in February, two on the 7th and one on the 18th, which may be explained by a shift in the distribution of pumpage; and also in this area, record highs were noted in two wells on November 30, 1950, which may be attributed to climatic conditions.

Well-Numbering System

The well-numbering system is based upon the State topographic atlas sheets. The first segment of the number is that of the atlas sheet on which the well location may be found. The second refers to the 6-minute rectangle in which the well is situated. The third refers to the 2-minute rectangle into which the 6-minute rectangle is subdivided. Each of the 2-minute rectangles is divided into nine equal rectangles which are numbered from 1 to 9, beginning in the upper left corner and numbering to the right. These divisions are again divided into nine equal rectangles and numbered in the same way.

Well Descriptions and Water-Level Measurements

(Water-level measurements are in feet above mean sea level unless otherwise indicated.)

Atlantic County

Atlantic City area

36.13.2.9.1. Atlantic City Water Dept. 600-foot well. Highest water level 3.05 below msl, Mar. 28, 1925; lowest 26.3 below msl, Oct. 9, 1949. Records available: 1925-50.

Water level at end of day, below mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.5	22.9	22.3	21.8	21.8	20.8	20.6	22.8	24.6	25.8	26.1	24.9
2	23.7	22.8	22.3	21.8	21.8	20.7	20.7	22.8	24.7	25.9	26.1	24.9
3	23.6	22.8	22.3	21.8	21.8	20.7	20.7	22.9	24.7	25.9	26.1	24.9
4	23.6	22.8	22.3	21.8	21.8	20.6	20.8	22.9	24.8	25.9	26.1	24.9
5	23.5	22.8	22.3	21.8	21.8	20.5	20.8	23.0	24.8	25.9	26.1	25.0
6	23.5	22.7	22.3	21.7	21.8	20.5	20.9	23.1	24.9	25.9	26.1	25.0
7	23.5	22.7	22.3	21.7	21.8	20.5	21.0	23.1	25.0	25.9	26.1	25.0
8	23.5	22.7	22.2	21.7	21.8	20.5	21.1	23.2	25.0	25.9	26.1	....
9	23.5	22.7	22.2	21.7	21.8	20.4	21.1	23.2	25.1	25.9	26.1	....
10	23.4	22.7	22.2	21.7	21.8	20.4	21.2	23.3	25.1	26.0	26.1	....
11	23.4	22.7	22.2	21.7	21.8	20.4	21.3	23.4	25.2	26.0	26.1	24.9
12	23.4	22.7	22.2	21.7	21.8	20.3	21.4	23.4	25.2	26.0	26.1	24.9
13	23.4	22.6	22.2	21.7	21.8	20.3	21.5	23.5	25.2	26.0	26.1	24.9
14	23.4	22.6	22.2	21.7	21.8	20.2	21.5	23.6	25.3	26.0	26.1	24.9
15	23.3	22.4	22.1	21.7	21.8	20.2	21.6	23.6	25.3	26.0	26.1	24.9
16	23.3	22.3	22.1	21.7	21.8	20.2	21.7	23.7	25.3	26.0	26.1	24.9
17	23.3	22.3	22.1	21.7	21.8	20.2	21.8	23.8	25.4	26.1	26.1	24.9
18	23.2	22.3	22.1	21.7	21.8	20.2	21.8	23.8	25.4	26.1	26.0	24.8
19	23.2	22.3	22.1	21.8	21.8	20.2	21.9	23.9	25.5	26.1	26.0	24.8
20	23.2	22.3	22.1	21.8	21.7	20.2	22.0	23.9	25.5	26.1	26.0	24.8
21	23.2	22.3	22.0	21.8	21.7	20.2	22.1	24.0	25.5	26.1	25.9	24.8
22	23.2	22.3	22.0	21.8	21.6	20.2	22.1	24.0	25.6	26.1	25.9	24.8
23	23.1	22.3	21.8	21.8	21.6	20.2	22.2	24.1	25.6	26.1	25.8	24.7
24	23.1	22.3	21.8	21.8	21.5	20.3	22.3	24.1	25.6	26.1	25.8	24.7
25	23.1	22.3	21.8	21.8	21.4	20.3	22.3	24.2	25.6	26.1	24.8	24.6
26	23.0	22.3	21.8	21.8	21.3	20.3	22.4	24.3	25.7	26.1	24.8	24.6
27	23.0	22.3	21.8	21.8	21.2	20.4	22.5	24.3	25.7	26.1	24.8	24.6
28	23.0	22.3	21.8	21.8	21.1	20.4	22.5	24.4	25.8	26.1	24.8	24.6
29	23.0		21.8	21.8	21.0	20.5	22.6	24.5	25.8	26.1	24.8	24.5
30	22.9		21.8	21.8	20.9	20.5	22.6	24.5	25.8	26.2	24.9	e24.5
31	22.9		21.8		20.9		22.7	24.6		26.1		e24.5

e Estimated.

36.23.1.9.6. Longport Water Dept. Longport 14th Avenue well. Highest water level about 19 above msl, in 1895; lowest 63.5 below msl, Sept. 2, 1950. Records available: 1924-50.

36.23.1.9.6--Continued.

Water level at end of day, below mean sea level, from recorder graph, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.3	30.8	28.8	29.5	32.0	39.3	43.0	45.9	50.7	46.7	39.7	36.1
2	31.9	30.7	29.9	29.1	31.9	38.4	43.7	46.1	51.2	46.5	39.7	36.3
3	31.5	30.6	30.2	29.3	31.7	38.1	43.5	46.4	51.1	45.7	39.9	36.0
4	31.3	30.5	30.2	29.5	32.3	37.6	42.7	47.1	50.7	45.2	39.6	35.9
5	32.6	30.7	30.2	29.2	32.5	36.5	42.5	47.6	49.8	44.9	39.4	35.5
6	32.7	30.9	30.4	29.1	32.5	....	42.7	47.2	49.9	45.0	38.8	35.4
7	31.9	30.1	30.3	29.4	32.9	36.4	42.6	47.6	50.4	44.7	38.8	35.6
8	32.1	30.4	29.2	29.9	32.8	37.2	42.4	48.1	50.7	45.1	38.7	35.5
9	31.8	31.1	29.7	29.7	32.7	37.9	42.1	48.6	50.8	45.0	38.7	35.9
10	31.6	30.8	30.3	30.0	32.8	38.2	42.5	49.1	50.7	44.4	39.1	35.7
11	31.0	30.7	....	30.1	33.1	38.7	42.7	49.5	50.5	44.5	39.1	35.7
12	30.6	30.5	30.2	30.3	33.5	38.9	42.9	49.7	50.2	44.3	39.0	35.3
13	31.3	30.1	29.5	30.5	33.7	38.2	43.3	49.9	50.3	43.9	38.8	34.2
14	31.9	29.7	29.9	30.6	33.9	37.5	43.4	50.2	50.7	43.8	38.5	34.7
15	31.6	29.8	29.9	30.5	33.9	37.3	43.6	50.5	50.8	43.7	38.3	35.3
16	30.7	30.5	29.6	30.7	34.3	37.6	43.9	50.1	50.5	43.5	38.1	35.1
17	30.9	30.4	30.1	30.7	34.3	38.1	44.0	50.0	50.1	43.1	....	34.7
18	31.1	30.5	30.8	30.9	35.1	38.5	43.5	50.3	49.6	42.9	....	34.5
19	31.4	30.9	31.2	30.9	35.8	39.2	43.6	50.4	48.9	42.7	37.8	34.4
20	32.1	31.1	30.5	31.5	36.2	39.9	43.9	49.6	48.4	42.5	37.4	34.4
21	31.9	30.7	29.8	32.0	36.7	40.3	44.0	49.3	48.4	42.3	....	34.3
22	31.5	30.1	39.9	32.1	37.0	40.9	44.4	49.3	48.3	42.1	37.2	34.3
23	31.4	30.0	30.0	32.4	37.1	40.9	44.7	49.6	47.8	42.1	36.9	34.0
24	30.7	30.3	29.8	32.1	37.5	40.4	45.3	50.0	47.4	42.0	37.1	33.3
25	30.6	30.2	29.5	31.8	37.7	40.9	45.5	50.0	47.2	41.3	37.1	33.8
26	30.7	30.3	29.8	31.3	38.1	41.4	45.9	49.6	47.5	41.4	36.9	33.6
27	30.4	29.8	29.7	31.2	38.0	41.7	46.7	49.4	47.4	41.3	37.1	33.7
28	30.4	29.2	29.1	31.5	38.3	42.0	47.1	49.4	47.3	41.2	36.8	33.8
29	30.7	....	29.1	32.1	38.7	42.3	46.5	50.0	47.3	40.9	36.6	33.5
30	30.7	....	29.5	32.2	39.1	42.5	46.3	50.2	46.9	40.7	36.7	33.4
31	31.3	....	30.0	....	39.4	....	45.7	50.5	....	40.3	....	33.2

Water level at end of day, below mean sea level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	39.9	39.5	39.2	40.4	....	51.0	....	62.1	52.7	....	45.9
2	....	39.8	40.0	39.3	40.5	....	52.4	....	62.3	52.8	48.7	45.6
3	....	40.2	40.3	39.6	40.5	....	53.5	....	61.5	52.8	48.6	45.6
4	....	....	39.9	39.8	40.5	....	54.2	....	61.1	52.6	47.9	44.9
5	....	40.1	39.4	39.7	40.4	....	53.4	....	61.1	52.0	48.3	45.2
6	....	39.8	39.6	39.7	40.3	....	52.4	....	60.4	51.7	48.6	45.1
7	41.6	39.6	39.4	39.2	40.8	....	....	....	60.4	51.6	48.2	44.5
8	41.6	39.6	39.2	39.2	41.2	....	....	....	60.6	51.3	47.9	....
9	41.5	39.5	40.5	39.7	41.3	45.7	53.2	....	60.4	51.0	47.5	44.4
10	41.0	39.7	40.4	40.5	41.4	45.8	53.4	....	60.3	50.8	47.5	44.2
11	41.6	39.4	39.8	40.4	41.3	46.5	53.4	....	59.2	51.1	47.4	44.0
12	....	39.6	39.4	....	41.2	46.4	53.9	....	56.2	50.9	....	44.4
13	40.9	39.5	38.8	....	40.9	46.8	53.8	....	56.9	51.2	46.9	44.7
14	....	38.1	39.3	....	41.0	46.9	54.1	....	57.3	50.9	47.3	44.6
15	41.5	39.1	39.4	40.2	41.0	46.1	53.3	....	57.3	50.6	47.1	44.3
16	40.9	....	38.9	40.5	40.6	45.8	53.1	....	56.9	50.4	46.9	44.2
17	41.4	....	38.9	40.8	40.9	45.7	53.0	....	57.0	50.5	46.6	44.1
18	40.8	39.2	39.2	40.8	41.5	47.2	53.2	....	57.2	50.5	46.7	44.2
19	40.6	39.4	39.3	40.9	41.3	47.4	54.1	....	57.2	....	46.7	44.2
20	40.8	40.0	39.9	40.8	40.8	46.6	54.9	....	56.4	....	46.6	44.3
21	40.4	39.8	38.4	40.7	41.1	46.6	55.3	....	55.8	49.9	46.6	44.1
22	40.3	39.2	38.5	40.9	41.5	47.4	....	....	55.1	50.0	46.8	44.3
23	40.3	39.2	38.7	40.9	41.7	47.9	56.2	....	....	49.2	46.1	44.2
24	40.2	39.8	....	40.8	41.6	48.6	....	....	....	48.9	45.6	43.8
25	40.2	40.1	39.3	40.7	....	48.9	....	....	....	48.8	43.9	44.1
26	40.6	39.7	39.5	40.5	....	48.9	....	....	....	49.1	45.0	43.9
27	40.6	39.8	39.2	40.5	....	49.6	....	....	....	49.1	45.3	43.9
28	40.0	39.5	39.1	40.5	43.1	50.4	56.6	....	53.8	48.9	45.6	43.8
29	40.1	....	39.3	40.7	....	50.9	....	....	52.8	48.9	45.9	43.4
30	40.3	....	39.7	40.5	....	50.6	....	61.5	52.6	49.1	46.1	43.4
31	39.8	....	39.4	....	....	....	....	61.7	....	49.0	....	43.3

Bergen County

East Paterson area

26.3.1.4.3. Baker well. 77 Rosemont Ave., East Paterson. Highest water level 58.81 above msl, Oct. 26, 1927; lowest 21.8 above msl, Jan. 5, 1950. Records available: 1926-50. Manual measurements on Baker well from date of drilling, Mar. 20-25, 1925, to date of installation of recording gage, Aug. 1, 1929, in feet above mean sea level.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 7, '26	50.69	May 24, '27	52.97	Dec. 6, '27	57.86	Dec. 6, '28	51.94
21	51.49	June 17	53.34	Feb. 4, '28	55.41	Jan. 17, '29	50.97
Nov. 19	53.00	July 20	52.14	Apr. 19	55.58	27	52.67
Dec. 14	54.62	Aug. 10	54.90	May 15	56.23	Mar. 13	53.33
Jan. 6, '27	55.59	Sept. 23	57.41	Oct. 8	55.06	Apr. 23	53.93
Feb. 24	54.29	Oct. 26	58.81	26	53.98	May 6	55.36
Apr. 25	53.95	Nov. 18	58.13	Nov. 7	53.75		

Daily lowest water level, above mean sea level, from recorder graph, 1929

Day	Aug.	Sept.	Oct.	Nov.	Dec.	Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	(j)	47.7	47.2	45.7	44.9	17	48.0	47.1	47.0	45.2	44.1
2	48.4	48.2	47.2	45.6	44.9	18	48.5	47.2	47.0	45.2	44.2
3	49.5	47.1	47.2	45.6	44.5	19	48.0	...	46.9	45.0	44.1
4	49.0	47.5	47.2	45.7	44.6	20	48.1	47.0	46.8	45.0	44.0
5	48.7	46.8	47.2	45.8	44.4	21	47.7	46.8	46.8	44.9	44.2
6	48.6	47.8	47.2	45.8	44.4	22	48.1	47.0	48.8	45.0	44.3
7	49.7	46.7	47.2	45.8	44.3	23	48.5	47.1	46.8	45.0	44.6
8	48.8	47.1	47.2	45.6	44.3	24	48.4	47.2	46.2	45.1	44.4
9	48.7	46.9	47.2	45.4	44.3	25	47.5	47.2	46.2	45.0	44.6
10	48.5	46.6	47.1	45.4	44.3	26	47.4	47.2	46.2	44.8	44.6
11	48.4	46.6	47.0	45.5	44.2	27	...	47.0	46.2	44.8	44.7
12	48.4	46.8	47.0	45.4	44.2	28	47.4	47.0	46.3	44.8	44.6
13	48.5	46.9	47.0	45.3	44.2	29	47.3	47.2	46.2	45.0	44.8
14	48.5	47.1	47.0	45.2	44.1	30	47.4	47.2	46.0	44.6	44.7
15	48.1	47.0	46.9	45.2	44.2	31	47.3	...	45.8	...	44.5
16	47.9	46.9	47.0	45.2	44.2						

j Recorder installed.

Daily lowest water level, above mean sea level, from recorder graph, 1930

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44.6	45.4	45.6	46.4	46.8	46.4	45.1	44.0	...	42.6	40.8	42.0
2	44.6	45.4	45.6	46.2	46.8	46.0	45.0	43.9	...	42.4	40.9	42.0
3	44.8	45.4	45.6	46.2	46.9	45.8	45.2	43.8	43.4	42.4	40.8	42.0
4	44.8	45.4	45.6	46.2	47.0	45.6	45.2	43.7	43.2	42.2	40.8	42.1
5	45.0	45.4	45.3	46.2	46.7	45.6	45.2	43.4	43.3	42.3	40.6	42.1
6	44.8	45.6	45.4	46.4	46.7	45.4	45.4	43.5	43.3	42.2	40.6	42.2
7	45.0	45.4	45.4	46.4	46.7	45.6	45.2	43.4	43.3	42.2	40.6	42.4
8	44.9	45.6	45.6	46.4	46.6	46.2	45.0	43.4	43.2	42.0	40.5	42.5
9	44.8	45.6	45.7	46.4	46.6	46.2	45.0	43.3	43.2	42.2	40.7	42.3
10	44.8	45.6	45.8	46.5	46.5	45.7	44.9	...	43.2	41.9	40.7	42.2
11	44.9	45.6	45.8	46.6	...	45.8	44.9	...	43.1	41.8	40.6	42.0
12	44.9	45.6	45.8	46.5	46.6	45.7	44.9	...	43.0	41.9	40.5	42.0
13	45.1	45.5	45.8	46.7	46.6	45.8	45.0	43.1	43.0	41.8	40.4	42.0
14	45.1	45.6	45.9	46.8	46.6	45.6	45.0	43.1	43.2	41.8	40.4	42.2
15	44.9	45.5	45.9	46.7	46.7	45.8	44.8	43.1	43.2	41.6	40.4	42.0
16	45.0	45.7	46.0	46.6	46.6	45.6	44.6	43.4	43.0	41.6	40.5	42.0
17	44.9	45.4	46.0	46.7	46.6	45.6	44.7	...	...	41.4	40.8	41.9
18	45.0	...	46.0	46.8	46.7	45.6	44.6	...	...	41.4	40.8	41.8
19	45.0	45.6	46.1	46.8	46.8	45.5	...	...	42.8	41.6	40.8	41.7
20	45.0	45.5	46.1	46.8	46.5	45.6	...	...	42.8	41.5	41.0	41.7
21	45.0	45.4	46.1	47.0	46.5	45.8	44.2	...	42.9	41.4	41.0	41.8
22	45.0	45.6	46.1	47.1	46.4	45.5	44.2	...	42.8	41.2	41.2	41.8
23	45.1	45.7	46.3	47.0	46.2	45.4	44.2	...	42.8	41.2	41.8	41.7
24	45.2	45.8	46.5	47.0	46.3	45.2	44.4	...	42.8	41.2	41.8	41.6
25	45.0	45.6	46.3	46.8	46.4	45.0	44.4	...	42.8	41.2	41.6	41.6
26	45.4	45.6	46.2	47.0	46.4	45.0	44.4	...	42.6	41.0	41.6	41.8
27	45.4	45.6	46.1	47.0	46.2	45.1	44.5	...	42.8	41.2	42.0	41.8
28	45.2	45.6	46.3	47.1	46.2	45.2	44.2	...	42.7	41.0	42.0	41.9
29	45.1	...	46.4	46.8	46.2	45.3	44.2	...	42.8	40.8	42.2	41.7
30	45.3	...	46.4	46.9	46.4	45.1	44.2	...	42.8	40.9	42.2	41.6
31	45.2	...	46.4	...	46.4	...	44.2	...	...	40.8	...	41.6

26. 3. 1. 4. 3--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1931

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.4	41.8	43.2	44.0	45.8	47.4	47.4	46.0	....	43.6	42.2	40.6
2	41.6	41.8	43.1	44.2	45.9	47.4	47.6	46.0	....	43.6	42.2	40.7
3	41.6	41.8	43.2	44.2	46.1	47.4	47.8	45.9	....	43.4	42.0	40.6
4	41.6	41.8	43.2	44.3	46.2	47.4	....	46.0	....	43.5	42.0	40.4
5	41.6	41.8	43.2	44.5	46.2	....	....	45.9	45.6	43.5	41.9	40.4
6	41.6	41.6	43.3	44.8	46.1	....	....	45.8	45.6	43.3	41.9	....
7	41.4	41.6	43.2	44.8	46.2	47.6	....	45.8	45.7	43.3	41.8	....
8	41.5	41.8	43.5	44.8	46.2	47.8	....	45.8	45.8	43.2	41.8	....
9	41.4	41.8	43.4	44.8	46.4	47.6	....	46.0	45.6	43.2	41.8	....
10	41.4	41.8	43.3	44.8	46.6	47.7	....	45.9	45.0	43.3	41.8	....
11	41.6	41.8	43.3	44.8	46.7	47.8	....	45.8	44.8	43.3	41.7	....
12	41.6	41.8	43.2	45.0	46.6	....	....	45.6	44.5	43.2	41.6	39.9
13	41.6	41.6	43.2	45.2	46.6	47.7	....	45.6	44.8	43.0	41.6	40.2
14	41.5	41.7	43.4	45.2	46.5	47.7	....	45.6	44.7	43.0	41.5	40.0
15	41.6	41.9	43.7	45.2	46.6	47.8	47.1	45.6	44.6	43.0	....	39.8
16	....	41.9	43.7	45.2	46.8	47.9	47.0	45.5	44.5	43.0	....	39.8
17	41.7	41.9	44.2	45.2	46.8	47.8	47.0	45.5	44.4	42.9	41.4	39.8
18	41.8	42.0	43.4	45.2	46.9	47.8	47.0	45.4	44.4	43.0	41.2	39.8
19	41.8	42.1	43.7	45.1	46.8	47.8	47.2	45.4	44.4	42.8	41.1	39.8
20	41.8	42.4	43.7	45.3	46.8	47.8	47.0	45.4	44.4	42.8	41.0	39.7
21	41.8	42.5	43.6	45.2	46.8	47.9	47.1	45.2	44.2	42.7	41.0	39.8
22	41.7	42.8	43.8	45.3	46.9	47.9	....	45.3	44.2	42.6	41.0	39.6
23	41.6	43.0	44.0	45.3	47.2	48.0	....	45.3	44.0	42.5	41.0	39.8
24	....	42.9	43.9	45.4	47.4	48.0	....	45.4	44.1	42.5	40.9	39.8
25	....	42.8	43.9	45.5	47.6	47.8	....	45.4	43.8	42.5	40.7	39.8
26	....	42.9	43.8	45.8	47.2	48.0	....	45.2	43.9	42.5	40.7	....
27	....	42.9	44.0	45.8	47.3	48.0	46.3	45.2	43.8	42.3	40.8	....
28	....	42.9	43.9	45.7	47.2	47.9	46.2	45.0	43.9	42.2	40.7	....
29	....	....	43.8	45.7	47.0	47.6	46.0	45.2	43.8	42.2	40.7	....
30	....	....	44.1	45.7	47.1	47.6	46.1	....	43.8	42.2	40.7	....
31	41.8	....	44.0	....	....	....	46.2	....	....	42.2	....	....

Daily lowest water level, above mean sea level, from recorder graph, 1932

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	40.8	43.4	44.1	....	45.4	43.9	42.1	40.2	39.0	38.1	....
2	....	40.8	43.4	44.2	....	45.4	44.1	41.8	40.2	39.0	38.0	....
3	....	40.8	43.4	44.4	....	45.4	44.1	41.8	40.0	38.8	37.9	....
4	....	40.8	43.4	44.4	....	45.3	44.2	41.8	40.0	38.8	37.9	....
5	....	40.7	43.6	44.5	....	45.1	44.0	41.6	39.8	38.8	37.9	....
6	....	40.9	43.6	44.7	....	45.1	43.9	....	40.0	38.9	38.2	....
7	....	41.0	43.7	44.8	....	45.2	43.8	....	40.0	38.8	38.3	....
8	....	41.0	43.7	45.0	....	45.2	43.5	41.4	....	38.8	38.4	....
9	....	41.0	43.6	45.3	....	44.9	43.6	41.4	....	39.0	38.6	....
10	....	41.0	43.4	45.3	....	44.8	43.6	41.2	....	38.9	38.8	....
11	....	41.1	43.6	45.6	....	44.4	43.2	41.2	....	38.8	38.9	....
12	....	41.1	43.6	45.5	....	44.8	43.2	41.2	....	38.8	39.0	....
13	....	41.2	43.8	45.7	....	44.8	43.2	41.2	39.0	38.5	39.2	....
14	....	41.7	43.6	45.8	....	44.7	43.0	41.3	39.0	38.4	39.5	....
15	....	41.9	43.6	45.8	....	44.6	42.8	41.2	39.0	38.5	39.6	....
16	....	41.8	....	46.1	....	44.6	42.9	41.1	39.2	38.4	39.8	....
17	....	42.0	....	46.1	46.2	....	42.9	40.9	....	38.6	40.0	....
18	....	42.0	....	46.2	46.1	....	42.8	41.0	....	38.6	40.0	....
19	....	42.3	43.6	46.2	46.2	....	42.6	41.1	....	38.6	40.5	....
20	40.0	42.5	43.6	46.4	46.1	44.6	42.2	41.6	....	38.6	40.6	44.5
21	40.0	42.8	43.6	46.3	46.1	44.6	42.4	41.2	....	38.4	41.5	44.6
22	40.0	42.9	43.4	46.4	46.2	44.6	42.4	41.1	....	38.3	41.7	44.4
23	40.2	43.0	43.4	46.4	46.2	44.5	42.6	40.6	....	....	42.4	44.5
24	40.2	43.0	43.4	46.7	45.9	44.5	42.7	40.5	....	38.2	42.6	44.4
25	40.3	43.1	43.4	46.6	45.8	44.4	42.2	40.4	38.8	38.2	43.2	44.6
26	40.2	43.2	43.5	46.6	45.6	44.2	42.3	40.4	39.0	38.2	43.5	44.6
27	40.4	43.2	43.6	....	45.6	44.4	42.2	40.6	38.9	....	....	44.6
28	40.2	43.3	43.8	....	45.8	44.2	42.2	40.6	39.2	....	....	44.4
29	40.4	43.5	43.6	....	45.8	44.1	42.2	40.4	39.2	38.2	....	44.5
30	40.4	....	43.8	....	45.9	44.0	42.1	40.2	39.0	38.0	....	44.5
31	....	....	44.1	....	45.7	....	42.0	40.2	....	38.0	....	....

26.3.1.4.3--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1933

Day	Jan.	Feb.	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44.4	44.6	....	47.2	48.4	51.0	49.9	48.2
2	44.5	44.6	....	47.6	48.3	51.0	49.8	48.2
3	44.5	44.6	....	47.2	48.6	50.8	49.9	48.5
4	44.4	....	....	47.8	48.6	51.2	....	48.2
5	44.2	....	....	47.6	48.4	51.2	....	48.3
6	44.2	....	....	47.7	48.6	51.5	....	48.0
7	44.4	....	....	47.6	48.6	....	....	48.0
8	44.2	44.5	....	47.6	48.6	51.2	....	48.0
9	44.5	44.2	....	47.6	49.0	51.0	49.6	47.9
10	44.4	44.2	....	47.6	48.8	51.0	49.3	47.8
11	44.5	44.2	....	47.5	48.7	....	49.3	47.8
12	44.4	44.2	....	....	48.4	....	....	47.6
13	44.4	....	....	....	48.3	....	....	47.6
14	44.5	....	....	47.2	48.6	51.0	49.2	47.4
15	44.5	....	....	47.3	48.6	51.2	49.0	47.3
16	44.7	....	....	47.2	49.3	51.0	48.8	47.2
17	44.6	....	....	47.4	50.2	51.2	49.0	47.6
18	44.6	....	....	47.2	51.2	50.7	48.9	47.3
19	44.6	....	....	47.2	51.2	50.6	49.0	47.6
20	44.5	....	48.6	47.2	51.4	50.9	48.9	47.5
21	44.2	....	48.4	47.0	51.6	50.8	49.0	47.4
22	44.5	....	48.4	47.2	51.8	51.0	48.8	47.0
23	44.6	....	....	47.2	51.2	50.8	48.7	....
24	44.6	....	48.7	48.0	51.6	50.6	48.3	....
25	44.6	....	48.2	47.8	51.4	50.8	48.3	....
26	44.6	....	47.9	48.0	51.4	50.4	48.8	....
27	44.7	....	47.8	48.1	51.4	50.4	48.7	....
28	44.6	....	47.7	48.0	51.2	50.3	48.4	....
29	44.6	....	47.9	48.2	51.2	50.3	48.4	....
30	44.6	....	47.6	48.4	50.8	50.3	48.4	....
31	44.6	....	47.6	48.4	....	50.2	....	....

Daily lowest water level, above mean sea level, from recorder graph, 1934

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	48.5	47.5	....	49.7	49.5	....	46.0	....	46.4	48.4	47.4
2	46.6	48.4	47.5	....	49.9	49.0	....	46.4	....	46.3	48.5	47.1
3	47.0	48.2	47.3	....	50.0	49.4	....	46.2	....	....	48.4	46.8
4	46.6	48.4	47.4	....	49.9	49.2	....	46.2	....	....	....	47.0
5	46.8	48.2	47.6	....	50.2	48.8	....	46.4	....	....	....	47.0
6	46.9	48.4	47.7	....	50.4	48.7	....	45.8	....	....	48.6	46.8
7	46.9	48.4	47.6	....	50.2	48.8	....	46.0	....	48.2	48.4	46.8
8	47.0	48.0	47.6	....	50.2	48.4	....	45.7	....	48.2	48.2	46.6
9	46.7	....	47.8	....	49.9	49.6	....	45.9	....	48.2	48.2	....
10	46.8	....	....	48.8	50.2	50.0	....	45.7	44.8	48.4	48.4	....
11	46.8	....	....	48.9	50.2	49.6	....	45.5	45.1	48.8	48.0	....
12	47.2	48.3	....	48.8	50.1	49.8	....	45.8	44.8	48.8	47.9	....
13	47.2	48.0	....	49.0	50.4	49.6	....	45.8	44.9	48.4	47.8	....
14	47.6	47.7	47.4	49.0	50.0	49.5	....	45.3	45.0	48.8	47.8	....
15	47.2	48.0	47.6	49.3	50.0	49.4	47.2	....	....	48.4	47.6	....
16	47.6	47.8	47.5	49.3	50.1	50.4	47.3	....	45.2	48.8	47.5	....
17	47.5	47.6	....	49.3	49.8	51.0	47.0	....	45.3	48.5	47.5	....
18	47.4	47.8	....	49.5	50.8	50.8	46.4	....	45.2	48.4	47.6	....
19	47.8	48.0	....	49.4	50.0	51.1	46.6	....	45.2	48.8	47.6	....
20	47.4	48.1	....	49.6	50.2	51.0	46.4	....	45.2	48.4	47.4	....
21	47.8	47.6	....	49.5	50.0	50.9	46.5	....	45.5	48.9	47.6	....
22	47.8	47.6	48.2	49.8	50.0	....	46.6	....	....	48.4	47.6	....
23	47.7	47.6	48.1	50.1	49.8	....	46.6	....	....	48.5	47.8	....
24	47.7	47.5	....	49.9	49.9	....	46.6	....	45.4	48.4	47.2	....
25	47.9	47.6	....	49.8	50.0	....	46.6	....	45.6	48.4	47.4	....
26	47.6	47.8	47.4	50.1	....	....	46.5	....	45.5	48.7	47.3	....
27	....	47.4	47.2	50.0	50.0	....	....	....	45.6	48.4	47.4	....
28	....	47.4	....	....	49.6	....	46.8	....	45.2	48.6	47.1	....
29	....	....	47.4	....	49.6	....	46.8	....	45.6	48.5	47.2	....
30	....	....	....	49.8	49.8	....	46.4	....	46.0	48.2	47.5	....
31	48.2	....	....	....	49.4	....	46.4	....	....	48.2	....	....

26.3.1.4.3--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1935

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	....	....	48.2	49.2	48.2	46.2	45.2	43.4	42.0	41.0	41.2
2	....	....	48.4	48.9	48.4	46.5	44.6	43.6	42.0	41.0	41.3
3	....	....	48.4	48.9	48.4	46.4	44.8	43.4	42.2	40.7	40.9
4	....	47.8	48.4	49.2	48.0	46.4	44.6	43.2	42.2	40.9	40.8
5	....	47.5	48.3	49.1	48.4	46.3	44.8	43.0	41.8	40.8	40.8
6	48.3	47.4	48.4	49.0	48.1	46.2	44.4	42.8	41.9	40.9	40.8
7	48.4	47.6	48.5	49.0	48.2	45.9	44.7	43.2	41.8	40.7	....
8	48.3	47.8	48.2	49.0	48.0	46.2	44.4	42.6	41.8	40.6	....
9	48.6	47.5	48.2	48.9	48.2	46.4	44.8	42.8	42.0	40.8	....
10	48.6	47.8	48.6	48.6	48.0	46.2	44.9	42.8	41.8	40.6	....
11	48.1	47.0	48.4	48.8	47.8	46.0	44.5	....	41.6	40.7	....
12	48.1	47.2	48.6	49.0	47.9	45.8	44.2	42.7	41.6	40.9	....
13	48.2	47.0	48.4	48.8	....	45.6	44.4	42.6	41.6	41.1	....
14	48.0	47.3	48.4	49.0	....	45.2	44.5	43.0	41.6	40.6	....
15	47.8	47.2	48.6	49.1	....	45.4	44.5	42.6	41.8	40.6	....
16	47.4	47.2	48.5	48.8	....	45.2	44.4	42.6	41.8	40.2	....
17	48.0	47.4	48.8	49.2	....	45.0	44.1	42.6	41.6	40.3	....
18	47.5	47.8	48.6	48.8	....	45.4	44.2	42.4	41.3	40.3	....
19	47.5	47.6	48.7	49.0	....	45.2	44.0	42.5	41.5	40.1	....
20	47.6	48.0	48.9	48.5	....	45.4	43.8	42.0	41.4	40.6	40.8
21	47.6	47.6	48.9	49.0	....	45.6	44.2	42.4	41.3	40.6	41.0
22	47.2	47.6	48.7	48.8	....	45.4	44.4	42.0	41.2	40.6	41.0
23	47.4	47.8	49.0	48.7	....	46.0	....	42.2	41.4	40.9	41.0
24	47.4	48.0	49.0	48.4	....	45.6	....	42.0	41.4	40.8	41.2
25	47.4	48.1	49.2	48.6	....	45.2	....	42.2	41.2	41.0	40.9
26	47.2	48.5	48.7	48.4	....	45.0	....	42.0	41.0	41.0	....
27	47.6	48.2	49.2	48.4	....	45.2	....	42.2	40.8	41.0	....
28	....	48.1	49.2	48.1	45.8	45.4	....	42.0	41.2	41.2	....
29	....	....	49.1	48.4	46.3	45.0	43.6	42.0	41.2	41.2	40.9
30	....	....	49.2	48.5	45.9	45.2	43.6	42.0	41.2	41.2	....
31	....	....	49.4	....	46.2	....	43.2	42.0	....	41.4	....

Daily lowest water level, above mean sea level, from recorder graph, 1936

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	42.6	51.2	52.2	50.4	....	47.6	46.4	45.4	45.4	44.4
2	....	....	42.8	51.2	52.6	50.6	....	48.1	46.4	45.2	45.4	44.1
3	....	....	42.8	51.0	52.6	50.2	....	47.6	46.4	45.0	45.4	44.3
4	....	....	42.9	51.0	52.4	50.2	....	47.4	46.4	44.7	45.5	....
5	....	....	42.9	51.2	52.4	50.2	....	47.3	46.4	45.4	45.4	....
6	....	....	43.1	51.5	52.3	....	....	47.7	46.4	45.2	45.4	44.5
7	....	....	....	51.8	52.3	....	....	47.6	46.4	45.0	45.2	44.3
8	....	....	....	51.8	51.8	....	....	47.4	45.9	45.2	45.4	....
9	....	....	43.8	52.0	51.8	....	....	47.8	46.0	45.0	45.4	....
10	39.6	....	44.0	52.4	....	....	....	47.7	45.9	45.0	45.2	....
11	39.7	....	44.2	52.4	52.6	....	....	47.0	45.5	45.0	45.1	44.2
12	39.8	....	....	53.4	51.8	....	....	47.0	45.9	45.0	45.0	44.3
13	40.3	....	....	53.2	51.8	....	....	47.2	45.8	44.8	45.2	44.2
14	40.4	....	....	53.4	51.9	....	....	46.8	45.8	44.6	45.2	44.3
15	40.5	....	46.4	....	52.2	....	....	46.7	45.7	44.6	45.0	44.2
16	40.8	42.6	46.8	....	52.0	....	....	47.1	45.8	44.8	45.0	44.2
17	40.9	42.7	47.2	....	51.8	....	....	46.4	45.6	44.9	45.0	44.2
18	41.2	42.6	47.6	....	51.9	....	....	46.4	45.4	44.9	44.9	44.3
19	....	42.4	47.7	....	51.7	....	....	46.8	45.7	45.0	44.8	....
20	....	42.5	48.2	53.6	51.4	....	....	46.2	45.9	44.8	44.9	44.6
21	....	42.6	48.6	53.6	51.4	....	....	46.6	45.9	45.0	44.8	44.6
22	....	....	49.4	53.2	51.3	....	....	....	45.6	45.0	44.8	44.5
23	....	....	....	53.4	51.2	50.2	....	....	45.6	45.0	44.8	45.2
24	....	42.6	50.0	53.3	51.4	50.2	....	....	45.4	44.9	44.7	45.2
25	....	42.5	50.0	....	51.2	50.2	....	46.4	45.4	45.2	44.7	45.7
26	....	42.4	50.0	....	51.2	50.2	....	46.4	45.4	45.2	44.6	....
27	....	42.5	50.5	52.7	51.2	....	....	46.1	....	45.1	44.6	....
28	....	42.4	50.4	52.8	51.2	....	....	46.3	....	45.1	....	45.8
29	....	42.4	....	53.0	50.6	....	48.2	46.4	....	45.2	44.7	45.8
30	....	....	51.0	53.0	50.5	....	47.6	46.4	....	45.0	44.4	46.2
31	....	....	50.8	....	51.1	....	48.0	46.6	....	45.1	....	46.3

26.3.1.4.3--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1937

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	50.8	....	....	49.0	47.6	46.6	45.7	45.0	46.2
2	....	....	51.1	....	....	....	48.5	47.2	46.2	45.9	45.0	46.2
3	....	....	51.0	....	50.8	....	48.8	46.9	46.4	46.1	44.8	46.6
4	46.2	....	51.4	....	50.8	50.4	49.0	47.2	46.4	46.0	45.0	46.8
5	46.6	....	51.4	....	51.3	50.4	48.6	46.6	46.6	46.0	45.0	46.8
6	46.5	....	....	51.1	51.0	50.7	49.0	47.0	46.7	....	45.2	46.8
7	46.6	50.9	....	51.2	51.0	50.0	48.6	47.0	46.7	....	44.9	46.9
8	46.8	51.0	51.1	50.8	50.8	50.2	48.2	46.7	46.5	45.8	44.9	47.0
9	46.6	51.0	50.8	51.3	51.0	49.8	48.6	46.6	46.5	45.8	....	46.8
10	47.0	50.8	....	51.0	51.0	50.2	48.5	46.4	46.4	45.8	....	47.0
11	47.0	50.8	....	51.2	50.6	50.1	48.3	46.9	46.4	45.8	45.0	47.0
12	47.1	....	....	50.6	50.6	50.0	48.4	46.6	46.2	45.5	44.9	47.0
13	46.8	....	....	50.7	51.1	50.0	48.2	46.8	46.2	45.7	....	47.2
14	47.2	....	51.0	50.6	51.0	50.0	48.2	46.8	46.4	45.7	....	47.2
15	47.4	51.1	51.0	51.0	51.2	50.0	48.5	46.7	46.3	45.5	45.3	47.4
16	47.2	51.1	50.7	50.8	....	50.0	48.3	46.7	46.4	45.4	45.2	47.2
17	....	51.0	50.6	51.0	51.4	49.6	48.3	46.4	46.2	45.4	45.2	47.3
18	....	50.9	50.8	51.0	51.2	49.8	48.3	46.5	46.4	45.5	45.0	47.5
19	....	....	50.4	50.7	....	49.6	48.1	46.4	46.4	45.4	45.3	47.4
20	48.2	....	50.8	50.3	....	49.6	48.0	46.4	46.5	45.2	45.2	47.4
21	48.2	51.1	50.8	50.6	....	....	47.5	46.2	46.0	45.3	45.8	47.4
22	48.4	51.2	50.6	50.8	....	....	48.0	46.2	46.0	....	45.7	47.4
23	48.4	51.1	50.8	50.8	....	49.4	47.7	46.5	46.0	45.3	45.6	47.4
24	48.8	51.2	50.8	50.6	....	49.4	47.2	46.5	46.1	45.3	45.8	47.3
25	49.2	51.4	50.7	51.0	50.8	49.0	47.8	46.4	46.2	45.2	45.9	47.6
26	49.4	51.0	....	50.8	50.7	49.4	47.7	46.4	46.2	45.2	45.9	47.6
27	49.4	51.2	....	51.0	50.6	49.3	47.8	46.4	46.0	45.2	46.0	47.4
28	....	....	....	51.0	50.4	49.2	47.2	46.4	45.8	45.2	46.2	47.3
29	....	....	51.0	51.0	51.0	49.2	47.5	46.4	45.8	44.8	46.0	47.4
30	....	....	50.6	....	....	49.0	47.2	46.5	46.0	45.0	46.2	47.4
31	....	....	50.6	....	....	....	47.7	46.4	....	45.0	....	47.6

Daily lowest water level, above mean sea level, from recorder graph, 1938

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	47.6	49.4	50.0	49.6	50.0	48.7	49.6	51.4	49.6	51.2	49.4	48.0
2	47.5	49.4	49.7	49.6	49.8	48.6	49.8	51.6	49.8	51.2	49.6	48.0
3	47.4	49.4	50.0	49.6	50.0	48.9	49.6	51.8	49.4	51.2	49.6	....
4	47.4	49.7	49.8	49.4	50.1	48.9	49.9	51.8	49.4	51.2	49.5	48.0
5	47.5	50.0	49.8	49.5	50.0	48.8	49.8	51.8	49.4	51.2	49.6	48.2
6	47.8	49.3	49.8	49.2	49.4	48.8	49.8	....	49.2	51.2	49.6	48.4
7	47.6	49.4	49.7	49.5	49.6	48.8	49.3	....	48.8	51.1	49.2	48.6
8	47.4	49.4	49.8	49.7	49.4	48.7	49.4	....	49.0	51.1	49.2	48.8
9	48.1	49.4	49.9	49.7	49.4	48.6	49.6	51.6	49.2	51.2	49.1	49.2
10	48.1	49.6	50.0	49.6	49.7	48.6	49.6	51.0	....	50.8	49.0	49.4
11	47.9	49.7	49.8	49.6	49.5	48.8	49.7	51.4	49.2	51.0	48.8	49.5
12	48.2	49.8	49.6	49.7	49.5	49.0	49.6	51.3	49.1	50.7	49.0	49.7
13	48.2	49.6	50.0	49.6	49.4	48.8	49.4	51.3	49.0	....	....	49.8
14	48.2	49.6	49.8	49.8	49.8	49.0	49.6	51.4	49.0	50.6	49.0	49.8
15	48.2	49.6	49.7	49.4	49.8	48.9	49.6	51.2	48.9	50.7	48.8	49.8
16	48.2	49.8	49.5	49.6	49.6	49.0	49.5	50.9	48.4	50.6	48.6	50.0
17	48.1	49.8	49.6	49.8	49.5	48.9	49.3	50.8	48.6	50.2	48.6	50.0
18	48.0	49.8	50.1	49.8	49.4	48.8	49.4	50.8	48.8	50.4	48.6	50.2
19	48.2	49.9	49.8	49.8	49.2	48.9	49.4	50.5	48.8	50.2	48.5	50.0
20	48.2	49.6	50.0	49.8	49.7	48.6	49.6	50.8	49.0	49.9	48.4	50.2
21	48.1	49.8	49.8	49.8	49.4	48.8	49.7	50.8	49.2	50.0	48.5	50.2
22	48.2	50.0	49.8	50.0	49.4	48.8	49.6	50.4	48.8	....	48.5	50.1
23	48.2	50.0	49.8	49.9	48.8	48.7	49.6	50.3	50.9	50.2	48.3	50.0
24	48.4	50.0	49.6	50.0	49.5	48.4	49.6	49.8	51.0	50.0	48.4	49.8
25	48.6	49.8	49.4	49.6	49.4	48.7	49.6	50.2	51.1	50.0	....	49.8
26	48.6	50.0	49.8	50.2	49.4	48.6	49.6	50.1	51.2	50.0	....	49.8
27	49.0	49.8	49.2	49.7	49.3	48.8	49.8	50.1	51.1	49.9	48.5	49.8
28	49.0	49.8	49.5	50.2	49.0	49.0	51.1	50.0	51.2	49.8	48.2	49.6
29	49.2	....	49.5	49.8	49.0	49.2	51.6	49.8	51.2	49.8	48.2	49.8
30	49.2	....	49.6	50.2	49.4	49.4	51.0	49.8	51.4	49.7	48.0	49.8
31	49.1	....	49.8	....	49.2	....	51.1	49.8	....	49.6	....	49.9

26.3.1.4.3--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1939

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	50.2	50.7	53.0	54.4	54.6	....	49.9	47.8	46.2	44.8	43.3	42.3
2	50.1	51.0	53.0	55.0	54.6	....	50.2	47.8	45.8	44.8	43.1	42.1
3	49.9	51.3	53.4	54.9	54.6	....	50.0	47.6	46.0	44.6	43.3	42.2
4	50.1	....	....	55.1	54.5	....	49.8	47.8	46.0	44.5	43.2	42.2
5	50.1	51.2	....	54.8	54.4	....	50.0	47.4	46.2	44.6	43.2	42.2
6	50.0	51.4	....	55.2	54.4	....	49.8	47.5	46.0	44.5	43.1	42.1
7	50.4	51.6	....	55.1	....	....	49.8	47.5	46.0	44.4	43.0	42.0
8	50.2	51.4	....	55.4	....	....	49.4	47.4	46.0	44.3	43.1	41.9
9	50.4	....	....	55.4	....	....	49.8	47.2	45.7	44.4	43.0	41.9
10	50.4	....	....	55.4	....	....	49.6	47.2	45.7	44.1	43.0	42.0
11	50.4	....	....	55.3	....	....	49.4	46.8	45.8	44.0	42.8	42.0
12	50.2	52.2	....	55.4	....	....	49.4	46.9	45.6	44.0	43.0	41.8
13	50.3	52.1	....	55.0	....	....	49.2	....	45.4	44.0	42.9	41.8
14	50.4	52.4	....	55.0	....	....	48.9	46.9	45.4	43.8	42.9	41.9
15	50.6	52.2	....	55.0	....	....	49.4	46.8	45.4	44.0	42.8	41.9
16	50.5	52.2	....	55.0	....	....	49.2	46.8	45.0	43.8	42.7	41.8
17	50.4	52.4	54.6	55.1	....	....	49.1	46.4	45.3	43.9	42.8	41.9
18	50.5	52.5	54.6	55.1	....	....	48.6	47.0	44.8	43.8	42.6	41.6
19	50.2	52.7	54.6	55.2	....	....	48.8	46.8	45.3	43.8	42.8	41.6
20	50.1	52.4	54.8	55.1	....	....	48.8	47.1	45.1	43.7	42.8	41.5
21	....	52.4	54.9	55.0	....	....	48.8	46.0	45.1	43.4	42.7	41.4
22	50.4	52.8	54.8	55.1	....	50.4	48.4	46.6	45.0	43.8	42.6	41.4
23	50.1	52.4	54.8	55.2	....	50.2	48.8	46.5	45.2	43.6	42.7	41.4
24	50.4	52.6	54.8	55.1	....	50.1	48.0	46.4	45.1	43.6	42.6	41.4
25	50.1	52.3	54.8	55.0	....	50.5	48.4	46.1	44.9	43.5	42.5	41.4
26	50.3	52.4	54.8	55.0	....	50.3	48.4	46.4	44.9	43.4	42.6	41.3
27	50.1	52.6	54.6	54.9	....	50.1	48.1	46.5	44.7	43.4	42.6	41.2
28	49.9	52.6	54.6	54.8	....	49.9	48.2	46.4	44.6	43.3	42.5	41.2
29	50.1	....	54.6	54.8	....	50.0	48.0	46.4	44.6	43.4	42.4	41.2
30	....	....	54.6	55.0	....	50.0	48.0	46.2	44.6	43.8	42.4	41.1
31	50.7	....	54.9	....	....	....	48.0	46.3	....	43.4	....	41.0

Daily lowest water level, above mean sea level, from recorder graph, 1940

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.2	39.8	40.4	44.6	49.0	49.6	49.6	47.4	46.2	45.2	43.9	43.8
2	41.0	40.0	....	44.6	49.0	49.8	49.5	47.4	46.2	45.1	43.8	43.8
3	40.8	40.0	40.8	44.6	49.2	50.0	49.1	47.5	46.2	45.0	44.0	43.9
4	41.0	39.9	40.9	44.6	49.0	50.1	49.5	47.4	46.2	45.0	44.0	43.9
5	41.0	39.8	....	44.7	48.8	50.2	49.4	47.1	46.2	45.0	44.0	43.7
6	40.6	39.8	....	44.7	49.2	50.4	49.2	47.2	46.0	45.0	43.8	43.7
7	40.6	39.6	....	45.0	49.4	50.3	49.3	47.3	46.1	44.8	43.8	43.6
8	....	39.5	....	45.0	49.0	50.2	49.1	47.2	46.2	44.9	43.8	43.6
9	40.5	39.8	....	45.0	49.2	50.0	49.0	47.0	46.2	44.4	44.0	43.6
10	40.3	40.0	....	45.4	49.2	50.2	49.0	46.8	46.0	44.4	43.8	43.4
11	40.4	40.0	....	45.4	49.2	50.3	48.7	46.9	45.9	44.5	44.0	43.4
12	40.3	39.8	....	46.0	48.8	50.4	49.0	46.9	45.9	44.5	44.2	43.3
13	40.2	39.9	42.6	46.0	49.0	50.2	48.9	46.6	45.4	44.8	44.0	43.2
14	40.4	40.0	42.4	46.2	49.0	49.8	48.8	47.0	45.7	44.7	44.2	43.3
15	40.5	39.9	42.4	46.2	48.6	50.2	49.0	46.6	45.8	44.5	44.1	43.3
16	....	39.9	42.7	46.5	48.8	50.2	48.8	46.2	45.6	44.4	44.2	43.4
17	....	40.0	43.2	46.7	49.0	50.0	48.8	46.4	45.6	44.5	44.2	43.2
18	....	40.3	43.2	47.0	48.8	50.0	48.7	46.7	45.5	44.4	44.1	43.2
19	....	40.2	43.4	47.0	49.2	50.2	48.2	46.5	45.3	44.4	44.2	43.3
20	....	40.2	43.6	47.2	49.0	50.0	48.6	46.4	45.7	44.4	43.9	43.2
21	....	40.4	43.7	47.6	49.2	49.6	48.4	46.4	45.8	44.0	44.2	43.2
22	....	40.6	43.8	47.8	49.1	49.6	48.3	46.4	45.4	44.4	44.2	43.3
23	....	....	43.9	48.0	49.2	49.8	48.0	46.1	45.3	44.2	44.6	43.2
24	40.3	40.5	44.0	48.1	48.9	49.8	48.4	46.4	45.2	44.2	44.3	43.2
25	40.2	40.4	44.0	48.4	49.1	49.8	47.8	46.3	45.3	44.1	44.4	43.3
26	40.1	40.4	44.1	48.4	49.2	49.8	48.2	46.2	45.1	44.0	44.2	43.3
27	40.2	40.7	44.4	48.6	49.2	49.8	48.3	46.2	45.2	44.1	44.2	43.4
28	40.3	40.5	44.6	....	49.0	49.6	48.2	46.1	45.3	44.0	43.9	43.4
29	40.2	40.3	44.4	48.8	48.8	49.7	47.8	46.2	45.2	44.0	44.0	43.2
30	40.0	....	44.6	48.8	49.0	49.6	47.4	46.2	45.4	43.9	44.1	43.3
31	40.0	....	44.6	....	49.1	....	47.5	46.1	....	44.0	....	43.4

26. 3. 1. 4. 3--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43.4	44.0	45.4	45.4	....	43.4	41.4	40.7	39.7	38.5	38.0	35.2
2	43.4	44.1	45.4	45.3	....	43.2	41.4	41.0	39.4	38.5	37.8	35.2
3	43.4	44.1	45.4	45.2	....	43.0	41.2	40.8	39.4	38.6	37.6	35.1
4	43.4	44.0	45.4	45.2	....	42.5	41.4	40.8	39.8	38.6	37.6	35.0
5	43.4	44.1	45.2	45.2	....	42.8	41.6	40.4	39.8	38.6	37.5	35.0
6	43.3	44.2	45.2	45.2	....	42.4	41.6	40.6	39.6	38.6	37.4	35.0
7	43.3	44.2	45.2	45.2	....	42.4	41.6	40.4	39.6	38.5	37.4	34.9
8	43.4	44.4	45.2	45.2	....	42.6	41.6	40.1	39.6	38.4	36.8	34.9
9	43.6	44.4	45.0	....	....	42.5	41.6	40.0	....	38.2	36.6	34.8
10	43.6	44.5	44.8	....	44.2	42.0	41.7	40.0	....	38.4	36.5	34.8
11	43.5	44.5	44.6	....	44.0	42.1	41.8	39.9	39.6	38.2	36.4	34.8
12	43.4	44.8	44.7	....	44.4	42.0	41.6	40.1	39.6	38.2	36.3	34.9
13	43.4	44.9	44.8	....	44.2	41.7	41.8	40.2	39.5	38.2	36.0	34.6
14	43.5	45.1	44.8	....	43.7	42.0	41.8	40.2	39.6	38.2	36.1	34.8
15	43.6	45.0	44.8	....	43.9	42.1	42.0	40.0	40.0	38.1	36.0	34.4
16	43.6	45.3	44.6	....	43.8	42.2	41.8	40.1	39.6	....	....	34.7
17	43.6	45.3	45.0	....	43.5	42.0	41.8	40.2	39.4	....	....	35.0
18	43.6	45.4	45.2	....	43.9	42.2	41.7	40.2	39.3	....	....	35.2
19	43.6	45.4	45.2	....	43.8	42.0	41.8	40.1	39.2	....	....	35.1
20	43.7	45.4	45.2	....	43.6	42.0	41.7	40.0	39.0	....	....	35.2
21	43.7	45.2	45.1	....	43.2	41.6	41.6	39.4	39.2	....	....	35.3
22	44.0	45.4	45.0	....	43.0	41.3	41.6	39.0	39.0	....	....	35.6
23	44.0	45.4	45.2	....	42.8	41.6	41.4	38.8	39.4	37.8	....	35.5
24	43.8	45.4	45.2	....	42.7	41.8	41.4	38.4	39.1	37.8	....	35.4
25	44.3	45.5	45.2	....	43.4	41.4	41.3	38.6	39.0	38.0	35.8	35.4
26	44.2	45.4	45.3	....	43.0	41.2	40.8	38.6	39.0	37.8	35.6	35.3
27	44.0	45.5	45.2	....	42.4	40.8	40.8	38.4	38.8	38.0	35.6	35.4
28	44.2	45.6	45.4	....	42.8	40.8	40.8	38.6	38.6	38.0	35.5	35.4
29	44.2	....	45.2	....	43.0	40.7	41.1	39.0	38.6	38.0	35.4	35.5
30	44.2	....	45.4	....	42.8	41.2	41.1	39.5	38.7	38.0	35.4	35.4
31	44.2	....	45.4	....	42.9	....	41.2	39.6	....	38.0	....	36.0

Daily lowest water level, above mean sea level, from recorder graph, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	36.2	37.8	39.7	43.6	42.1	41.4	39.6	39.0	45.1	44.8	....	44.4
2	36.4	37.4	39.5	44.0	43.1	42.2	40.0	39.4	45.0	44.8	....	44.6
3	36.7	37.3	39.7	44.0	43.0	42.2	39.6	39.4	44.9	44.8	....	44.4
4	36.7	37.8	40.0	44.0	42.8	42.2	39.7	39.0	44.9	44.7	....	44.5
5	36.7	38.0	40.2	44.0	42.6	41.8	40.0	39.0	44.7	44.8	43.8	44.4
6	36.6	38.2	40.3	44.0	42.6	41.6	39.7	39.0	44.8	44.8	43.8	44.9
7	36.4	38.2	40.3	43.8	42.7	41.6	39.6	38.8	44.6	44.8	43.8	44.6
8	36.4	38.2	40.4	43.7	43.4	41.7	39.2	38.4	44.8	44.8	43.8	44.6
9	36.4	38.5	....	43.6	43.5	41.8	39.1	38.9	45.1	44.7	44.2	45.0
10	36.5	38.5	....	43.9	43.8	41.6	39.2	39.2	45.0	44.6	44.2	45.2
11	36.5	38.5	....	43.9	43.6	42.1	39.2	39.0	45.0	44.6	44.0	45.2
12	36.5	38.6	40.0	43.8	43.6	41.6	39.4	38.9	45.0	44.6	44.3	45.4
13	36.6	38.4	40.0	43.8	43.3	41.2	39.0	40.0	45.0	44.4	44.3	45.4
14	36.6	38.6	40.2	43.8	43.1	41.6	38.6	40.6	44.8	44.4	44.1	45.4
15	37.0	38.6	40.4	44.2	43.0	41.3	38.6	40.8	44.8	44.8	44.0	45.2
16	35.6	38.7	40.4	44.3	43.0	40.9	38.4	41.2	45.0	44.7	44.2	45.0
17	35.7	38.8	40.6	44.3	43.4	40.7	38.2	41.7	45.2	44.6	44.0	45.0
18	36.8	39.0	41.1	44.4	42.9	40.8	38.9	42.6	45.0	44.6	43.8	45.0
19	37.0	39.5	41.4	44.4	42.9	40.6	39.4	43.2	45.0	44.4	43.7	44.8
20	37.3	39.6	41.5	44.4	42.9	40.4	39.1	44.0	45.1	44.3	43.7	45.2
21	37.2	39.8	41.6	44.2	42.8	40.4	39.0	44.2	44.8	44.2	43.8	44.9
22	37.3	39.8	41.8	44.0	42.8	40.9	39.0	44.4	44.8	44.4	43.9	44.8
23	37.3	39.8	42.0	43.8	42.8	40.7	39.0	44.8	44.8	44.2	43.9	45.3
24	37.4	39.6	42.0	43.8	42.9	40.7	39.0	44.8	44.6	44.1	44.0	45.2
25	37.4	39.6	42.0	43.4	43.0	40.3	38.8	44.8	44.6	44.0	44.2	45.2
26	37.5	39.6	42.0	43.4	43.0	40.2	38.6	44.9	44.5	44.0	44.1	45.3
27	37.4	39.4	42.4	43.4	42.8	40.1	38.0	44.5	45.0	44.1	44.3	45.2
28	37.4	39.8	42.5	43.4	42.5	40.6	39.4	44.1	44.7	44.0	44.2	45.3
29	37.8	....	43.2	43.2	41.8	40.1	39.3	44.6	44.6	43.9	44.2	45.3
30	37.6	....	43.1	43.1	41.5	39.9	39.0	45.2	44.6	43.9	44.4	45.0
31	37.8	....	43.2	....	41.4	....	39.0	45.2	....	....	....	45.1

26.3.1.4.3

Daily lowest water level, above mean sea level, from recorder graph, 1943

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	45.2	47.0	48.0	48.7	48.0	46.6	44.5	43.6	41.2	39.2	38.8	43.6
2	45.6	47.0	48.0	48.8	48.0	47.0	44.4	43.6	41.0	39.0	39.4	....
3	46.0	47.2	48.3	48.8	48.1	46.8	44.5	43.4	41.0	38.8	40.0	....
4	46.3	47.2	48.3	48.9	47.7	46.5	44.7	43.4	41.0	38.6	40.2	....
5	46.4	47.2	48.2	48.8	47.6	46.2	44.8	43.3	40.9	38.4	40.4	43.9
6	47.0	47.2	48.3	48.8	47.5	46.1	45.2	43.2	40.7	38.2	40.4	43.9
7	47.2	47.4	48.6	48.6	47.2	46.1	45.0	42.8	40.0	38.2	40.6	43.8
8	47.2	47.4	48.4	48.6	47.0	46.7	44.8	42.8	40.2	38.2	40.8	43.6
9	47.3	47.2	48.3	48.6	46.9	46.7	44.8	42.6	40.6	37.0	41.1	43.6
10	47.4	47.0	48.2	48.4	46.9	46.4	44.8	42.4	40.5	37.4	41.1	43.4
11	47.6	47.2	48.4	48.4	47.0	46.4	44.5	42.4	40.4	37.6	41.6	43.4
12	47.4	47.2	48.5	48.4	47.3	46.5	44.9	43.0	40.4	37.6	42.0	43.8
13	47.2	47.2	48.5	48.4	47.3	46.5	44.8	42.8	40.6	37.8	42.4	43.7
14	47.2	47.5	48.6	48.6	47.4	46.6	44.0	42.2	40.6	37.6	42.3	43.6
15	47.4	47.4	48.6	48.4	47.3	46.5	43.6	42.4	40.3	37.6	42.8	43.5
16	47.2	47.4	48.6	48.4	47.4	46.4	44.4	42.2	40.4	37.6	....	43.1
17	47.2	47.8	49.2	48.3	47.3	46.0	44.4	42.8	40.3	37.6	....	42.9
18	47.4	47.8	49.2	48.4	47.3	46.2	44.8	42.3	40.2	37.3	....	42.8
19	47.1	47.9	49.2	48.4	47.0	46.1	44.4	41.8	40.2	37.4	....	42.7
20	47.0	48.0	49.3	48.3	47.0	46.0	44.2	41.6	40.1	36.4	....	42.6
21	47.0	48.1	49.2	48.0	47.3	45.8	44.2	41.4	39.9	36.8	43.2	41.9
22	46.9	48.0	49.2	48.0	47.3	45.1	44.1	41.6	39.8	37.2	43.5	42.4
23	46.8	48.1	49.1	47.8	47.3	45.4	44.2	41.2	39.9	37.5	43.4	42.0
24	47.0	47.9	49.0	47.9	47.4	44.8	44.2	41.4	39.8	37.4	43.5	41.8
25	46.8	47.9	49.0	48.0	47.3	44.6	44.0	41.0	39.7	37.2	43.6	42.2
26	46.8	47.9	49.0	47.8	47.2	44.2	43.6	40.6	39.6	37.4	43.7	42.2
27	47.2	48.0	49.0	47.8	47.1	43.8	43.4	40.5	39.4	37.6	43.3	42.4
28	47.2	48.0	49.1	48.1	47.0	43.8	43.5	41.5	38.8	38.0	43.4	42.1
29	47.2	48.0	49.0	48.0	47.0	44.6	43.5	41.6	38.8	38.2	43.4	42.0
30	47.2	48.8	48.0	47.0	44.6	43.8	41.6	38.8	38.6	43.6	41.9	....
31	47.2	48.8	46.8	46.8	46.8	43.6	41.2	39.0	39.0	41.8	....	....

Daily lowest water level, above mean sea level, from recorder graph, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.6	41.7	41.4	....	....	....	44.2	41.3	38.2	38.3	37.4	37.6
2	41.7	41.6	41.3	....	....	....	44.0	41.4	38.6	37.9	37.4	37.7
3	41.6	41.6	41.3	....	....	46.0	44.0	41.6	38.4	37.9	37.4	37.8
4	41.6	41.6	41.2	....	....	46.0	44.0	41.4	38.6	38.0	37.3	38.4
5	41.5	41.6	41.2	....	....	46.0	43.8	40.8	39.0	38.0	37.3	....
6	40.8	41.5	41.2	....	....	45.6	43.6	40.5	38.8	....	37.4	38.4
7	40.6	41.4	41.4	....	....	45.2	43.0	40.7	38.4	....	37.3	38.4
8	41.2	41.4	41.4	....	....	45.2	42.8	40.6	38.3	....	37.2	38.7
9	41.8	41.3	41.4	....	....	46.4	42.8	40.6	38.2	....	37.2	38.8
10	42.0	41.3	41.4	....	....	....	42.7	40.3	38.0	37.9	37.2	39.1
11	42.0	41.3	41.4	....	....	46.6	42.4	39.8	37.5	37.8	37.0	39.4
12	42.2	41.3	41.4	....	....	46.3	42.3	39.2	37.3	37.8	37.1	39.4
13	42.5	41.0	41.1	....	....	46.0	42.4	39.5	37.6	37.7	37.0	39.8
14	42.4	41.0	40.7	....	....	45.7	42.6	39.2	37.8	37.7	37.0	39.9
15	42.4	40.2	41.3	45.3	....	46.1	....	38.6	37.9	37.6	37.0	40.0
16	42.4	40.0	41.6	45.4	....	45.9	41.0	38.4	38.2	37.4	37.0	40.2
17	42.3	40.5	41.6	....	....	45.2	41.0	39.5	38.1	37.6	37.0	40.4
18	42.4	41.0	41.8	....	....	44.7	40.6	39.5	....	37.2	36.8	40.8
19	42.4	41.0	42.1	....	....	44.6	40.4	39.6	38.3	37.4	36.4	40.6
20	42.4	41.1	....	....	....	45.7	40.8	39.8	38.3	37.4	36.8	40.4
21	42.1	41.2	....	....	....	45.7	40.9	39.7	38.3	37.8	....	40.6
22	42.1	41.1	....	....	....	45.9	40.8	39.8	....	37.8	....	40.2
23	42.0	41.2	....	....	....	45.8	42.1	39.6	....	37.8	36.8	40.4
24	41.7	41.2	....	....	....	45.9	42.2	39.4	....	37.8	36.8	40.6
25	41.6	41.0	....	....	....	45.7	41.7	39.1	38.5	37.8	36.8	41.0
26	40.9	41.0	....	....	....	45.7	41.4	38.9	38.3	37.7	36.8	41.1
27	41.2	41.4	....	....	....	45.3	41.2	39.2	38.3	37.6	37.0	40.9
28	41.6	41.2	....	....	....	45.1	41.6	39.0	38.4	37.6	37.2	41.0
29	41.8	41.4	....	....	....	44.6	41.2	39.0	38.4	37.6	37.2	41.0
30	41.8	....	....	....	....	44.3	41.4	39.0	38.4	37.4	37.4	41.2
31	41.8	....	....	....	....	....	41.5	38.5	....	37.4	....	....

26.3.1.4.3--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1945												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.5	41.4	42.2	45.2	45.2	46.5	44.4	50.2	48.3	....	47.0	47.0
2	41.5	41.4	42.8	45.6	45.3	46.6	44.4	50.4	48.4	48.8	47.0	47.0
3	41.4	41.2	43.0	45.6	45.3	46.6	45.3	50.1	48.9	48.4	46.9	47.2
4	41.4	41.1	43.2	45.5	45.5	46.7	45.3	50.0	48.8	48.4	46.8	47.2
5	41.5	41.4	43.5	45.7	45.5	46.9	45.9	50.1	48.5	48.4	46.4	47.6
6	41.4	41.4	43.6	45.5	45.5	47.0	45.7	50.5	48.4	48.4	46.6	47.8
7	41.6	41.6	43.6	45.6	45.2	46.9	45.6	50.2	48.0	48.4	47.0	48.0
8	42.0	41.6	43.7	45.6	45.3	46.6	45.1	50.2	47.6	48.2	46.6	47.9
9	42.0	41.6	43.8	45.5	45.6	46.5	44.8	50.2	47.6	48.2	46.5	47.9
10	42.1	41.4	43.9	45.4	45.9	46.5	45.2	49.8	48.2	48.2	46.4	48.0
11	42.2	41.5	44.0	45.4	45.9	46.4	45.2	50.0	48.3	48.3	46.3	48.0
12	42.3	41.4	44.2	45.4	45.9	46.3	45.0	49.8	48.0	48.2	46.4	48.0
13	42.4	41.4	44.4	45.4	46.0	46.2	44.6	49.7	48.0	48.0	46.4	48.0
14	42.4	41.4	44.6	45.2	46.1	46.1	44.4	49.8	48.0	47.9	46.4	48.2
15	42.6	41.2	44.6	45.2	46.2	45.7	44.6	49.8	48.0	47.8	46.2	48.2
16	42.5	41.2	44.8	45.3	46.2	45.4	45.1	49.8	48.0	47.8	46.2	48.2
17	42.6	41.2	44.8	45.8	46.3	45.2	45.1	49.8	47.8	47.6	46.0	48.2
18	42.4	41.2	44.8	45.8	46.6	45.2	45.2	49.4	47.8	47.6	45.9	48.2
19	42.4	41.2	44.6	45.6	46.8	45.3	45.5	49.2	48.2	47.6	46.0	48.2
20	42.4	41.4	45.0	45.6	46.8	45.8	....	49.0	48.2	47.4	45.6	48.4
21	42.3	41.5	44.8	45.7	46.7	45.8	....	48.9	48.4	47.2	45.8	48.4
22	42.4	41.6	44.8	45.6	46.6	46.0	....	48.6	48.4	47.6	45.9	48.4
23	42.3	41.6	45.2	45.2	46.6	46.0	46.2	48.6	48.4	47.6	46.1	48.4
24	42.2	41.6	45.2	45.1	46.4	45.8	47.4	49.2	48.6	47.6	46.1	48.2
25	41.8	41.4	45.2	45.2	46.2	45.2	48.0	49.6	48.6	47.7	46.4	48.2
26	41.8	41.4	45.2	45.3	46.2	45.2	48.6	49.6	48.6	47.7	46.0	48.6
27	41.8	41.6	45.2	45.3	46.3	45.4	49.0	49.3	48.6	47.2	46.2	48.6
28	41.6	41.6	45.1	45.2	46.9	45.4	49.3	49.2	48.6	47.3	46.4	48.6
29	41.6		45.0	45.0	46.6	44.9	49.5	48.9	48.5	47.2	46.6	48.8
30	41.6		45.0	45.0	46.3	44.6	49.6	48.8	48.4	47.2	46.8	49.0
31	41.5		45.0		46.5		49.7	48.3		47.2		49.2

Daily lowest water level, above mean sea level, from recorder graph, 1946												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49.2	50.0	48.2	47.4	46.1	49.7	51.2	50.4	49.2	47.8	46.7	45.0
2	49.4	49.8	48.2	47.4	45.7	50.0	51.2	50.6	49.2	47.8	46.6	44.9
3	49.5	49.6	48.2	47.7	45.6	50.6	51.1	50.4	49.0	47.9	46.6	44.8
4	49.7	49.5	48.2	47.6	45.6	51.0	50.9	50.4	48.9	48.0	46.6	44.3
5	49.8	49.4	48.2	47.6	45.8	51.6	50.8	50.4	48.9	47.8	46.2	43.8
6	50.0	49.6	48.1	47.4	45.8	51.6	50.8	50.2	48.9	47.8	46.2	43.8
7	50.2	49.6	48.2	47.4	45.8	51.7	50.4	50.2	48.5	47.7	46.3	43.6
8	50.2	49.4	48.0	47.4	45.8	51.4	50.4	49.8	48.5	47.7	46.3	43.6
9	50.1	49.5	48.1	47.6	45.8	51.2	50.4	49.4	48.4	47.8	46.0	43.6
10	50.4	49.4	48.0	47.4	45.2	51.2	50.1	49.4	48.3	47.8	46.0	43.4
11	50.2	49.3	48.0	47.4	45.3	51.4	50.1	49.5	48.3	47.6	46.0	43.4
12	50.4	49.2	48.0	47.4	45.6	51.7	50.1	49.3	48.1	47.6	46.0	43.4
13	50.3	49.2	48.1	47.2	45.6	51.8	49.7	49.6	48.1	47.6	46.0	43.1
14	....	49.2	48.1	47.2	45.7	51.6	49.6	49.6	48.0	47.5	46.0	43.1
15	50.6	48.9	48.0	47.2	45.7	51.5	49.7	49.4	47.8	47.5	45.8	43.8
16	50.5	48.8	47.8	47.0	45.8	51.5	49.6	49.4	47.8	47.4	45.8	43.8
17	50.6	48.8	47.8	47.0	45.8	51.6	49.2	49.4	47.6	47.6	45.8	43.3
18	50.7	48.6	47.9	47.0	46.2	51.2	48.9	49.4	47.4	....	45.8	43.1
19	50.3	48.6	47.8	47.0	46.8	51.0	48.7	49.8	47.4	....	45.6	43.0
20	50.2	48.7	47.8	46.6	47.4	51.0	48.6	49.4	47.3	....	45.6	43.0
21	50.4	48.6	47.8	46.6	47.4	51.0	48.6	49.4	47.3	47.4	45.5	43.8
22	50.2	48.4	47.8	46.4	47.7	50.3	49.5	49.4	47.8	47.4	45.5	43.6
23	50.2	48.5	47.7	46.4	47.7	50.3	49.9	49.4	47.8	47.4	45.3	43.6
24	50.2	48.4	47.6	45.9	47.8	49.9	50.6	49.2	47.8	47.3	45.2	43.6
25	50.4	48.3	47.8	45.9	47.6	49.8	51.1	49.3	48.0	47.2	45.2	43.6
26	50.1	48.5	47.8	46.6	47.6	49.4	51.0	49.4	47.8	47.0	45.2	43.5
27	50.0	48.4	47.8	46.4	48.2	49.2	50.6	49.4	47.6	47.0	45.1	43.6
28	50.0	48.3	47.8	46.2	48.6	49.1	50.6	49.3	47.5	46.9	45.1	43.4
29	50.0		47.8	46.2	49.2	50.7	50.3	49.3	47.6	46.9	45.0	43.6
30	49.8		47.8	46.2	49.3	50.8	50.2	49.4	47.8	47.0	45.0	43.4
31	50.2		47.6		49.4		50.2	49.2		46.8		43.2

2b. 3. 1. 4. 3--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1947

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43.2	42.3	41.9	43.9	46.2	46.7	46.2	44.4	42.0	39.6	36.4	39.0
2	43.6	42.4	41.9	43.9	46.2	46.6	40.2	....	42.0	39.4	36.2	38.8
3	43.4	42.0	41.9	44.0	46.1	46.6	46.2	....	....	39.0	36.1	39.0
4	43.2	42.1	41.9	44.0	46.3	46.4	46.2	....	....	38.8	36.0	38.9
5	43.2	42.2	42.0	44.0	46.4	46.3	46.0	43.8	42.2	38.8	36.4	39.0
6	43.2	42.0	42.0	44.2	46.2	46.2	46.0	43.6	....	38.6	36.4	38.9
7	43.3	42.0	42.0	44.4	46.2	46.5	45.8	43.6	....	....	36.2	38.8
8	43.2	41.9	42.0	44.4	46.2	47.2	....	43.9	....	38.5	36.0	39.3
9	43.2	42.0	42.0	44.6	46.2	47.0	....	43.8	41.8	38.7	36.0	39.2
10	43.1	42.0	42.0	44.7	45.8	47.0	46.0	43.9	41.7	....	36.0	39.1
11	43.0	42.0	42.0	45.0	45.8	46.7	45.8	43.8	....	....	36.0	39.0
12	43.0	42.2	42.2	45.0	45.7	46.4	45.4	43.5	....	....	36.4	39.0
13	43.0	42.2	42.3	45.0	45.6	....	45.4	43.2	....	....	36.6	38.8
14	43.0	42.4	42.6	45.2	45.5	....	45.4	43.0	....	....	37.0	38.6
15	43.1	42.6	42.7	45.5	46.0	....	45.5	42.7	....	....	37.2	38.6
16	43.0	42.5	42.6	45.5	46.0	....	45.5	42.7	40.8	....	37.5	38.6
17	42.9	42.2	43.0	45.8	45.8	47.0	45.4	43.5	40.6	....	37.8	38.5
18	42.6	42.3	43.0	45.8	45.8	47.1	45.2	43.5	40.6	....	37.8	38.4
19	42.6	42.2	43.1	45.8	45.9	47.0	45.2	43.0	40.2	....	38.6	38.4
20	42.8	42.2	43.2	45.8	45.9	47.0	45.2	43.0	40.2	....	38.6	....
21	42.8	42.3	43.4	46.2	46.2	46.9	45.2	43.3	40.5	....	38.8	....
22	42.6	42.4	43.4	46.0	46.3	47.1	45.4	42.8	40.6	....	38.8	....
23	42.6	42.4	43.5	46.2	....	46.8	45.6	42.5	40.6	....	38.8	....
24	42.8	42.3	43.8	46.1	....	46.8	45.2	42.5	40.5	....	38.8	....
25	42.6	42.2	43.8	46.2	....	47.3	45.2	42.4	40.3	....	38.8	....
26	42.5	42.3	43.8	46.0	....	47.2	44.8	42.4	40.0	....	39.0	....
27	42.4	42.2	43.8	46.0	46.6	46.8	44.8	42.6	40.0	....	39.0	....
28	42.5	42.0	43.8	46.0	46.5	46.4	45.0	42.6	40.0	....	39.1	....
29	42.6	....	43.8	46.0	46.2	46.4	44.6	42.3	39.8	....	39.0	....
30	42.6	....	43.8	46.2	46.2	46.4	44.4	42.2	39.8	36.5	39.0	37.4
31	42.4	....	43.8	....	46.8	....	44.4	42.2	....	36.5	....	37.3

Daily lowest water level, above mean sea level, from recorder graph, 1948

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.3	35.4	40.0	44.0	44.4	45.4	....	43.0	40.9	37.8	33.8	30.6
2	37.6	35.0	40.0	44.2	44.4	45.1	....	43.1	40.6	37.6	....	30.3
3	37.0	35.0	40.6	44.0	44.4	....	....	43.1	40.6	37.8	33.6	30.2
4	36.8	35.2	40.8	44.0	44.2	....	....	43.4	40.6	37.6	33.5	30.1
5	36.7	....	40.9	44.2	44.3	....	....	43.4	40.6	37.6	33.3	30.1
6	36.8	....	41.2	44.2	44.4	....	44.9	43.2	40.4	37.4	33.0	29.8
7	36.6	....	41.4	44.6	44.3	....	45.5	43.1	40.4	37.0	33.1	29.6
8	36.5	....	41.4	44.8	44.4	45.1	45.2	....	40.3	37.2	32.8	29.3
9	36.4	35.2	41.4	44.6	44.3	45.2	44.8	43.0	40.2	37.0	32.8	29.4
10	36.2	35.2	42.0	44.5	43.8	45.2	....	42.8	....	37.0	32.6	29.3
11	36.2	....	42.1	44.8	43.5	45.1	....	42.8	....	37.0	32.0	29.4
12	36.2	....	42.3	45.2	43.4	45.0	43.8	43.0	....	36.7	32.1	29.5
13	36.3	....	42.2	45.2	43.5	45.2	43.8	42.7	....	36.7	32.0	29.2
14	36.5	....	42.2	45.4	43.9	45.3	44.4	42.7	39.6	36.6	32.0	29.2
15	36.6	....	42.5	45.6	43.6	45.4	44.3	42.8	39.4	36.4	31.8	29.4
16	36.4	35.0	42.5	45.4	43.6	45.4	44.0	43.0	39.4	36.0	31.8	29.1
17	36.4	35.0	42.9	45.2	44.0	45.3	44.1	42.8	39.4	36.0	31.8	29.1
18	36.4	35.2	42.9	45.2	44.0	45.2	44.4	42.8	38.9	36.0	31.4	29.0
19	36.4	35.2	43.0	45.4	44.0	45.4	44.2	....	38.8	35.8	31.1	29.0
20	36.1	35.9	42.8	45.4	44.1	45.4	44.2	42.7	38.8	35.6	31.1	28.8
21	36.2	36.2	43.2	45.2	44.9	45.2	43.8	....	39.0	35.6	31.2	28.7
22	36.0	36.3	43.3	45.2	44.8	45.2	43.8	....	38.6	35.6	31.3	29.0
23	36.0	37.1	43.3	45.2	44.4	45.4	44.4	....	38.5	35.3	30.9	29.0
24	36.0	37.6	43.5	45.0	44.2	45.5	44.2	42.6	38.4	35.2	30.8	28.9
25	36.0	38.6	43.4	45.1	44.3	45.6	44.2	....	38.0	35.1	30.8	29.0
26	36.0	39.1	43.5	45.0	45.3	....	44.2	....	38.0	34.6	31.0	29.2
27	35.8	39.5	43.5	45.0	45.3	....	44.0	....	37.6	34.4	30.7	29.0
28	35.4	39.8	43.4	45.0	45.4	....	43.8	....	37.6	34.4	30.8	28.8
29	35.4	39.8	43.6	44.8	45.2	45.2	43.2	....	37.6	34.2	30.9	28.8
30	35.8	....	43.6	44.9	45.2	....	43.0	....	37.6	34.0	30.6	28.8
31	35.8	....	43.8	....	45.5	....	43.0	41.0	....	33.8	....	28.7

26. S. 1. 4. 3--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.7	38.4	41.0	39.7	39.1	37.9	32.9	31.9	28.7	26.4	24.8	23.4
2	29.3	38.5	41.0	39.3	39.7	37.5	32.6	....	28.2	26.4	24.7	23.4
3	30.0	39.2	41.2	39.3	39.6	37.1	32.6	32.5	28.1	26.5	24.6	23.1
4	30.0	39.7	41.4	39.4	39.5	37.0	32.9	32.4	28.1	26.4	24.5	23.1
5	30.3	39.3	41.5	39.4	38.9	36.9	33.0	31.4	28.2	26.4	24.4	23.0
6	30.9	39.3	41.6	39.8	38.9	36.9	32.9	30.7	28.1	26.2	24.3	23.0
7	31.0	39.7	41.2	....	39.1	36.0	33.5	30.4	28.3	26.2	24.3	23.4
8	31.8	39.6	40.6	....	39.3	35.9	33.3	30.4	28.5	25.8	24.1	23.3
9	32.8	39.7	40.5	....	40.0	35.7	33.3	30.4	28.3	25.8	23.9	23.3
10	34.4	39.7	40.4	....	40.0	35.4	33.3	29.6	27.8	25.6	23.9	23.3
11	34.6	39.8	40.3	39.8	40.1	35.3	....	29.2	27.8	25.3	23.8	23.3
12	34.8	39.7	40.3	39.8	39.7	....	....	29.5	28.0	25.1	23.8	23.9
13	35.0	39.9	40.3	39.6	39.5	....	....	30.7	28.0	25.1	23.8	23.6
14	35.3	40.2	40.5	39.5	39.4	35.0	....	30.7	28.2	25.1	23.8	23.6
15	35.6	40.2	40.2	39.5	39.4	35.0	....	30.7	28.2	25.1	23.8	23.6
16	36.6	40.0	40.2	39.1	....	....	....	30.8	28.2	25.1	23.8	23.6
17	36.8	40.0	40.2	39.1	39.0	....	....	30.3	27.5	25.2	23.8	23.3
18	36.8	39.9	40.5	39.7	38.5	....	33.1	30.6	27.5	25.2	23.8	23.3
19	37.1	39.9	40.4	39.7	38.3	....	32.8	29.7	27.5	25.1	23.6	23.5
20	37.2	40.1	40.4	39.6	38.2	....	....	29.2	27.5	24.8	23.6	....
21	37.2	40.1	40.6	39.5	38.7	....	....	29.1	27.5	24.5	23.3	23.5
22	37.5	40.2	40.6	39.4	38.7	....	....	....	27.5	24.3	23.3	23.4
23	37.7	40.5	40.6	39.5	39.3	....	....	....	26.7	24.3	23.6	22.6
24	37.9	40.5	40.5	39.5	39.1	....	....	30.1	26.6	24.3	23.4	22.4
25	37.4	40.6	40.3	39.5	38.8	....	....	29.8	26.7	24.3	23.4	22.2
26	37.4	40.4	40.4	39.4	38.8	....	31.8	29.1	26.5	24.7	23.3	22.2
27	37.4	40.4	40.4	39.4	....	....	31.7	....	26.4	24.8	23.3	....
28	37.4	41.2	40.1	39.4	....	33.0	31.9	28.1	27.0	25.0	23.6	22.2
29	37.4	....	39.7	39.4	....	....	32.2	28.2	27.0	24.7	23.6	22.2
30	37.4	....	39.6	39.1	38.8	....	31.6	....	26.8	25.0	23.5	....
31	38.5	....	39.6	....	38.2	....	31.9	29.8	....	25.1	....	21.9

Daily lowest water level, above mean sea level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21.9	22.8	....	....	30.4	33.4	25.7	28.4	32.2	29.2	26.7	25.4
2	21.9	23.2	27.2	....	30.4	33.0	25.6	29.2	32.5	28.9	26.7	25.2
3	22.1	23.3	27.2	....	30.4	33.1	26.0	29.9	32.6	28.8	26.7	24.5
4	21.9	22.8	27.3	....	30.4	33.5	27.0	29.6	....	28.6	26.7	24.5
5	21.8	22.8	27.4	....	30.3	33.2	....	29.8	32.3	28.6	26.7	24.7
6	21.8	22.9	27.7	....	29.8	32.8	....	30.4	32.2	28.5	26.6	24.7
7	22.4	23.1	27.7	....	29.6	31.9	....	30.2	32.2	28.3	26.5	24.8
8	22.4	23.2	28.2	....	29.4	31.2	....	30.4	31.8	28.3	26.5	25.2
9	22.8	23.3	27.7	....	29.3	30.0	28.2	29.6	31.5	28.6	26.5	26.6
10	23.2	23.5	27.6	....	29.3	28.9	28.4	29.8	31.5	28.6	26.3	27.1
11	23.4	23.1	27.7	....	29.1	28.9	30.1	29.2	31.2	28.6	26.3	27.4
12	23.4	23.1	28.4	....	28.8	28.8	30.6	29.5	31.1	....	26.3	27.7
13	23.7	23.2	28.6	....	28.2	28.8	30.0	29.9	31.1	....	26.2	28.1
14	23.2	23.3	28.3	....	28.0	28.2	30.2	29.1	31.4	....	26.2	....
15	23.1	23.8	28.3	....	28.0	30.8	30.4	28.3	31.3	....	26.2	....
16	23.4	24.0	29.1	....	27.8	31.3	31.1	28.1	31.0	....	26.2	....
17	23.1	24.0	29.2	....	27.4	31.6	31.1	27.9	31.1	28.5	26.0	....
18	23.2	24.0	28.8	....	27.6	31.8	30.2	27.8	31.0	28.4	25.8	....
19	23.2	24.0	28.8	....	29.4	32.5	....	28.3	31.7	28.4	25.8	30.0
20	22.7	24.4	29.1	30.9	30.7	32.5	29.7	28.7	31.7	27.9	25.8	30.0
21	22.1	24.5	29.3	31.7	31.1	32.5	30.2	29.3	30.4	26.6	26.3	....
22	22.1	....	29.4	31.1	31.0	31.9	28.9	29.4	30.3	26.6	26.3	....
23	22.3	....	29.8	31.1	31.3	30.7	28.7	29.8	28.8	26.8	25.9	29.6
24	22.5	....	29.3	32.0	31.9	29.5	29.1	30.3	28.7	27.2	25.9	....
25	22.9	....	29.2	31.4	32.2	29.6	29.5	30.9	28.7	27.3	26.4	....
26	22.5	....	28.2	30.5	32.2	28.4	29.6	31.3	28.7	27.4	27.9	30.4
27	22.2	....	28.4	30.5	32.1	27.4	....	31.0	29.3	27.3	26.9	30.0
28	22.3	....	29.7	30.9	32.4	27.1	....	31.0	29.5	27.2	26.7	30.0
29	22.5	....	....	30.3	33.2	26.8	....	31.0	29.7	27.2	26.3	30.3
30	22.4	....	....	30.3	33.1	26.6	....	31.2	29.4	27.2	25.8	30.2
31	22.4	....	....	....	33.2	....	28.6	31.7	....	27.2	....	30.0

26.3.1.7.3. City of Garfield well 11. Highest water level 56.2 above msl. Mar. 8, 1926; lowest 8.9 below msl, Sept. 26, 1949. Records available: 1926-50.

Daily lowest water level, above and below msl. from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.0	-0.1	-4.1	1.7	5.5	6.9	10.2	11.0	11.0	9.5	7.8	8.0
2	2.3	-.8	-4.1	4.1	5.5	4.2	10.2	11.0	11.3	9.5	7.8	7.8
3	1.0	-.7	-4.2	2.9	4.0	4.8	10.5	11.0	11.4	9.5	7.7	7.8
4	-.4	-.7	-4.1	2.4	4.1	7.3	10.7	11.2	12.0	9.2	7.7	7.8
5	-2.2	-.5	-1.4	3.1	3.7	5.9	13.4	11.2	12.2	9.1	7.6	7.4
6	-3.6	-1.1	-1.9	2.7	2.3	4.5	16.0	11.3	12.1	9.0	7.4	...
7	-5.5	-2.3	-2.1	4.9	3.4	3.1	17.3	11.7	11.5	9.0	7.4	...
8	-5.5	-3.4	-2.1	8.4	2.6	1.7	17.5	11.5	11.1	9.0	7.4	...
9	-4.0	-3.8	-1.9	11.2	4.4	.4	17.6	11.0	10.7	9.2	7.4	...
10	-4.1	-4.3	-1.9	7.5	4.2	-.2	18.8	10.8	10.7	9.1	7.2	...
11	-4.2	-5.1	-1.8	7.2	6.2	-.2	19.4	10.5	11.0	8.9	7.2	...
12	-3.4	-5.3	-.1	6.2	7.0	.4	19.4	10.3	10.8	8.9	7.1	...
13	-2.2	-5.2	.0	5.9	5.1	.3	19.4	10.2	10.7	8.6	7.0	...
14	-1.6	-5.6	-.3	6.0	4.9	6.6	19.4	10.3	10.7	8.6	7.0	10.3
15	1.5	-6.2	-1.2	6.8	3.7	9.1	19.4	9.9	10.6	8.7	6.9	3.8
16	-2.0	-6.4	-1.7	8.4	4.7	6.8	20.1	9.8	10.3	8.7	6.9	7.2
17	-1.9	-6.6	-1.8	6.4	6.7	5.7	20.5	9.6	10.3	8.7	6.8	10.6
18	-3.5	-5.8	-1.9	5.7	6.8	8.5	17.2	9.3	10.4	8.7	6.6	12.4
19	-4.3	-5.1	-.1	4.8	5.5	11.7	15.4	9.3	10.4	8.7	6.6	13.1
20	-4.5	-5.5	-.8	4.8	4.0	12.7	14.7	9.5	10.4	8.5	6.6	13.4
21	-3.6	-5.6	-.6	5.9	3.1	12.9	13.8	10.5	10.1	8.3	6.3	13.8
22	-2.4	-5.0	-.5	6.3	2.3	6.6	13.2	10.4	9.9	8.2	6.1	14.1
23	-3.7	-4.7	-.5	7.7	4.5	5.8	13.1	10.4	9.6	8.2	6.1	14.5
24	-2.9	-5.3	-1.0	6.4	3.8	5.7	13.1	10.4	9.5	8.2	6.5	15.2
25	-4.2	-5.3	-.8	5.7	4.4	5.7	12.8	10.5	9.5	8.2	6.6	15.8
26	-4.7	-3.8	1.9	5.1	4.1	9.9	12.4	10.2	9.3	8.1	9.5	16.6
27	-4.8	-3.9	2.3	4.6	4.7	10.7	11.9	10.2	9.2	8.0	11.2	16.4
28	-4.5	-4.1	1.9	4.7	1.6	10.6	11.4	10.1	9.3	8.0	9.9	16.3
29	-3.0		-.7	5.0	.8	10.5	11.2	10.0	9.4	8.1	9.1	16.4
30	-2.3		-1.6	8.6	7.0	10.5	11.3	10.2	9.4	8.2	8.5	16.6
31	-2.2		-1.6		6.4		11.2	10.6		8.1		16.9

Camden County

Camden area

31.2.2.5.2. City of Camden. Morris Station test well 3. Highest water level 0.3 below msl, Mar. 19, 1936; lowest 35.84 below msl, June 14, 1926. Records available: 1924-42, 1945-50.

Daily lowest water level, below mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.9	8.0	7.7	6.9	6.5	6.4	6.5	...	...	...	5.8	4.9
2	6.8	7.8	8.1	6.0	6.6	6.5	5.9	6.3	...	6.0	5.3	4.7
3	7.4	8.0	8.3	6.8	6.7	...	5.9	6.4	...	6.1	5.2	4.1
4	7.6	8.0	8.2	6.9	6.8	...	6.0	5.9	...	6.2	4.8	...
5	8.0	7.2	7.1	6.9	6.8	...	6.0	6.0	...	6.2	4.4	...
6	8.0	7.5	7.7	6.9	6.5	...	6.0	5.3	...	6.2	5.1	4.4
7	7.8	7.5	7.9	7.0	5.7	...	6.2	5.7	...	5.6	4.9	4.2
8	7.2	7.6	7.9	6.8	6.9	...	6.2	6.0	...	5.1	5.0	4.3
9	7.3	7.5	8.2	6.0	7.1	...	5.8	6.1	...	5.5	5.2	4.0
10	7.3	7.7	8.3	6.1	7.1	...	5.9	5.9	...	5.7	5.4	3.2
11	7.6	7.7	8.2	6.2	7.4	...	5.8	6.3	...	5.8	5.2	3.2
12	7.7	7.0	7.2	6.4	7.2	...	6.0	6.3	...	5.7	4.8	3.7
13	7.7	7.6	7.4	6.7	6.5	...	6.0	5.9	...	5.9	5.3	4.1
14	7.4	7.4	8.1	6.6	6.1	...	6.1	6.1	...	5.9	5.7	4.2
15	6.9	7.2	8.2	6.5	6.7	...	6.0	6.4	...	5.2	5.7	4.3
16	7.5	7.2	8.1	5.7	6.9	...	5.5	6.4	...	6.0	5.7	4.0
17	8.0	7.0	7.8	6.6	6.9	...	6.2	6.3	...	6.1	6.0	4.1
18	7.8	6.9	7.3	7.0	6.7	...	6.2	6.2	...	6.3	5.6	4.3
19	7.8	6.4	7.5	7.1	6.6	...	6.4	6.2	...	6.4	5.2	3.8
20	8.0	7.5	8.0	7.1	6.5	...	6.4	5.6	...	6.4	5.3	4.6
21	8.0	7.6	8.0	7.1	5.9	...	6.2	5.9	...	6.2	6.0	4.9
22	7.0	7.5	7.5	7.1	6.4	...	6.2	6.2	...	5.2	6.3	4.9
23	7.6	7.5	7.4	6.3	6.5	...	5.4	6.5	...	5.7	5.8	4.9
24	7.7	7.7	7.4	6.8	6.3	...	6.0	6.7	...	5.9	5.7	4.8
25	7.7	7.7	7.3	6.8	6.7	...	6.2	6.8	...	5.8	5.0	4.6

31.2.2.5.2--Continued.

Daily lowest water level, below mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	7.7	...	6.5	6.9	6.7	...	6.5	6.8	...	5.9	3.1	...
27	8.1	...	7.0	7.1	6.3	...	6.4	6.8	...	5.9	3.4	...
28	7.9	...	7.1	7.0	5.7	6.8	6.5	6.6	...	5.8	...	...
29	7.1	...	7.4	6.6	6.3	6.8	6.0	6.8	...	4.9	...	...
30	8.0	...	7.6	5.9	5.7	6.8	5.9	6.9	...	5.7	...	...
31	8.0	...	7.2	...	6.3	...	6.3	...	...	5.8	...	3.9

31.2.4.5.1. New Jersey Water Co. well 10. Highest water level 1.26 above msl, Mar. 19, 1933; lowest 29.8 below msl, Aug. 28, 1950. Records available: 1932-50.

Daily lowest water level, below mean sea level, from recorder graph

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.1	22.1	21.8	22.4
2	24.9	25.0	23.3	22.3	21.1
3	23.6	22.6	22.4	21.9	20.6
4	24.9	23.4	22.3	21.7	21.3
5	23.2	22.2	23.3	23.8
6	23.9	22.6	21.9	....
7	j23.4	....	23.3	21.7	21.9	....
8	23.9	....	....	21.3	21.8	....
9	23.7	....	....	21.8	22.4	....
10	21.6	....	....	22.3	22.2	....
11	25.3	22.2	21.7	....
12	22.3	21.4	....
13	22.5	22.2	....
14	22.3	21.9	....
15	21.8	22.2	23.5
16	21.8	24.4	23.1
17	21.7	22.7	23.4
18	21.6	22.1	23.2
19	21.9	21.7	22.4
20	21.7	23.1	23.4
21	21.7	22.4	25.5
22	25.4	....	20.6	23.7	23.2
23	27.4	....	20.8	21.4	22.9
24	28.2	....	22.4	26.9	22.9
25	28.6	....	22.0	21.5	22.6
26	22.2	20.9	23.2
27	24.6	23.7	22.2	27.2	23.1
28	26.1	29.8	23.4	22.0	21.7	22.3
29	25.0	23.5	21.6	21.7	22.2
30	24.8	22.9	21.9	21.6	21.9
31	25.2	....	22.0	....	21.9

j Recorder replaced.

Cape May County

Atlantic City area

36.22.G.8.2. American Ice Co. well. Ocean City. West Ave., between 12th and 13th Sts., east of American Ice Co. A recording gage was installed Sept. 5, 1936. There are daily fluctuations, due to tides and nearby pumping up to 9.5 feet, and seasonal fluctuations, due to local pumping, up to 30 feet. Highest water level 1.3 below msl, Dec. 29, 1945; lowest 63.2 below msl, Aug. 13, 1949. Records available: 1936-50.

Daily lowest water level, below mean sea level, from recorder graph, 1936

Day	Sept.	Oct.	Nov.	Dec.	Day	Sept.	Oct.	Nov.	Dec.
1	....	34.8	28.0	25.5	13	43.3	30.8	27.1	24.7
2	....	33.4	28.4	25.6	14	44.1	30.7	26.7	24.6
3	....	33.5	28.5	25.6	15	44.2	30.3	26.7	25.4
4	....	33.4	28.6	25.9	16	44.4	30.2	26.7	25.5
5	44.1	33.5	28.6	25.3	17	44.6	30.0	27.0	24.7
6	45.8	32.7	28.3	25.7	18	44.4	29.8	27.1	24.4
7	45.5	32.2	27.9	25.8	19	40.6	30.1	27.4	24.5
8	45.8	32.6	27.0	25.5	20	41.9	30.1	27.4	28.3
9	45.9	32.7	26.9	25.5	21	42.7	30.4	27.1	29.4
10	43.6	31.3	26.9	24.9	22	42.5	30.4	27.1	28.7
11	43.3	30.6	27.3	24.6	23	40.7	29.6	26.4	28.5
12	43.5	30.5	27.4	24.9	24	38.0	29.6	26.5	28.7

36.22.6.8.2--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1936

Day	Sept.	Oct.	Nov.	Dec.	Day	Sept.	Oct.	Nov.	Dec.
25	38.0	29.1	26.3	28.0	29	37.6	28.4	25.4	27.6
26	38.0	29.1	25.9	27.6	30	35.5	28.1	25.3	26.9
27	37.1	28.9	25.6	27.3	31		28.1		27.0
28	37.3	28.7	25.5	27.9					

Daily lowest water level, below mean sea level, from recorder graph, 1937

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.8	25.2	25.1	25.0	30.7	35.1	38.5	50.2	51.7	36.6	31.1	29.3
2	26.8	25.4	25.4	25.2	30.6	34.8	38.5	50.7	51.3	35.7	31.1	29.3
3	26.6	25.0	25.5	25.0	30.8	33.7	43.4	49.8	52.2	35.7	31.1	29.0
4	27.3	25.2	25.2	25.3	31.5	33.8	45.9	50.7	50.6	35.6	30.8	....
5	27.4	24.9	25.0	24.5	31.2	34.9	42.8	52.0	53.6	34.9	30.5	....
6	27.2	25.7	24.8	25.8	31.2	35.8	41.4	53.2	52.3	34.7	30.8	....
7	27.2	25.8	25.2	27.4	30.7	34.7	40.2	53.6	51.6	34.4	30.4	....
8	26.8	25.3	24.0	27.7	31.2	34.5	44.4	53.5	51.8	34.4	30.8	....
9	26.9	25.4	25.0	24.6	33.1	34.0	45.8	53.5	51.7	34.0	30.7	....
10	26.5	24.9	25.1	25.0	31.4	34.8	47.0	54.7	51.5	34.1	31.4	28.5
11	26.4	25.9	24.8	27.5	31.8	35.0	45.2	52.8	....	33.4	30.1	28.5
12	26.5	25.8	25.3	29.3	31.7	35.2	47.6	53.5	....	33.7	29.8	28.3
13	26.7	25.9	25.3	29.8	32.4	35.5	47.1	52.6	....	33.5	29.5	28.8
14	26.8	24.8	25.0	30.0	31.8	35.9	47.3	52.9	....	33.7	....	29.0
15	26.5	25.8	24.5	30.1	31.6	35.1	47.0	53.6	....	33.3	....	28.3
16	26.8	24.5	25.2	30.3	32.0	35.9	....	54.6	....	32.6	....	28.4
17	26.4	25.3	26.2	29.9	32.2	36.2	....	52.4	44.2	33.6	....	28.4
18	26.6	25.3	25.3	30.1	36.2	36.5	....	52.4	48.6	32.5	30.2	28.0
19	26.9	23.7	22.8	30.5	32.1	36.2	....	53.0	48.4	33.2	29.4	28.4
20	24.4	24.5	24.8	30.6	31.3	36.5	....	53.5	48.8	31.9	....	27.9
21	25.2	25.3	25.1	29.6	32.1	37.1	....	54.2	46.2	33.0	....	27.9
22	26.0	25.3	25.2	29.2	33.2	36.3	48.6	54.0	45.1	32.7	....	27.9
23	25.7	25.2	25.1	29.9	33.5	37.1	49.7	53.4	46.2	32.1	....	28.1
24	25.1	25.5	24.8	30.1	33.5	37.3	51.8	47.1	41.1	32.0	....	27.2
25	25.4	24.4	23.8	30.3	31.9	38.2	52.2	52.0	46.5	32.5	....	27.4
26	26.0	25.2	25.0	29.1	33.4	37.8	52.4	52.4	45.2	31.6	....	28.3
27	26.2	25.6	25.0	30.2	32.1	38.4	50.4	52.3	40.9	33.2	....	27.8
28	25.9	25.5	25.8	30.4	33.3	37.9	50.5	53.0	39.4	31.4	27.8	26.8
29	25.4		24.8	30.5	33.5	38.5	50.5	54.0	39.8	31.1	29.0	27.0
30	25.8		25.0	30.3	34.3	38.1	50.2	52.8	39.8	31.7	29.5	27.0
31	25.3		25.0		35.3		51.9	52.0		32.0		27.5

Daily lowest water level, below mean sea level, from recorder graph, 1938

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.6	26.5	25.6	23.4	31.6	33.0	36.4	47.5	50.6	33.5	28.7	28.4
2	27.3	25.8	25.5	25.8	31.3	32.7	42.3	47.0	49.4	33.0	28.6	27.8
3	27.3	25.5	24.5	27.7	31.2	32.3	43.5	47.1	49.1	32.2	28.7	27.1
4	27.1	25.7	24.0	28.6	31.0	32.9	43.0	46.0	49.7	32.3	28.0	26.8
5	27.2	25.6	25.1	28.4	31.2	32.6	44.2	46.8	50.8	30.7	28.2	26.5
6	27.4	25.5	25.2	29.0	31.4	32.9	44.2	49.1	51.3	31.7	28.5	26.8
7	26.9	25.9	25.4	28.4	31.9	33.0	38.7	49.3	48.8	31.3	28.4	27.4
8	27.7	26.2	24.8	28.1	32.2	....	44.1	47.0	48.9	31.9	28.3	26.8
9	27.4	25.6	24.9	28.6	32.0	....	44.4	43.1	49.0	31.2	28.5	27.1
10	27.2	26.3	24.2	28.7	31.7	....	44.9	47.2	46.3	31.4	29.3	28.0
11	26.9	24.8	24.2	29.1	31.7	....	44.9	47.4	49.5	32.4	28.4	27.9
12	26.3	24.9	24.5	29.7	31.4	....	44.1	48.1	48.9	31.1	28.4	26.7
13	26.3	24.8	24.0	29.3	32.2	....	44.8	48.7	47.7	31.6	28.1	27.4
14	25.9	24.6	23.7	30.3	31.8	....	45.9	49.6	46.0	30.8	29.0	27.1
15	25.6	25.6	23.7	29.4	32.3	....	44.4	50.4	47.2	30.9	29.3	26.3
16	26.3	24.9	24.5	29.5	31.3	....	46.1	49.1	46.1	30.9	28.3	26.3
17	26.4	24.9	24.1	30.8	32.1	....	46.1	50.3	46.0	30.8	28.2	25.8
18	25.6	24.9	23.3	29.7	31.3	34.5	47.2	49.9	44.6	30.7	28.2	26.1
19	26.6	24.3	23.7	29.7	32.0	34.8	46.0	49.3	40.8	30.5	27.2	25.9
20	26.3	23.8	23.8	30.1	31.4	35.0	40.7	51.3	40.3	30.7	27.9	25.3
21	26.1	24.4	23.9	30.0	31.6	35.1	40.9	51.4	38.8	29.6	27.9	25.3
22	25.7	24.9	24.1	30.5	32.2	35.2	41.2	50.6	36.5	29.8	28.1	25.6
23	25.9	24.8	23.9	29.6	32.6	35.1	45.7	50.2	38.7	29.9	28.0	25.1
24	25.4	24.2	24.3	29.6	31.7	35.8	44.1	50.1	39.1	29.3	27.0	25.8
25	25.6	24.1	23.9	30.0	32.8	36.2	45.1	50.3	39.6	30.0	27.4	26.2

36. 22. 6. 8. 2.--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1938

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	26.3	23.8	24.0	30.3	32.0	36.6	41.5	50.3	44.1	29.6	27.4	25.5
27	26.3	24.3	24.1	30.5	32.7	37.1	44.6	52.2	39.1	29.3	27.4	25.3
28	25.5	25.2	24.1	31.1	32.8	35.9	46.1	52.8	38.5	28.6	28.3	26.5
29	26.0		23.7	30.1	33.3	35.5	46.4	52.1	37.6	28.2	29.1	25.6
30	25.8		24.0	31.1	33.4	36.1	47.0	50.7	35.0	28.4	27.7	25.7
31	25.9		23.9		33.5		47.5	49.6		28.1		25.3

Daily lowest water level, below mean sea level, from recorder graph, 1939

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.3	23.8	24.0	22.8	28.0	35.0	....	49.1	50.8	35.4	28.6	27.9
2	25.3	23.9	24.0	22.7	29.0	35.4	....	48.6	53.3	34.6	28.5	27.4
3	24.5	24.1	23.3	22.9	28.0	34.7	....	48.8	53.9	34.2	28.1	27.9
4	24.9	24.6	23.4	23.6	28.4	32.5	....	50.1	54.5	33.9	28.1	27.9
5	25.4	24.9	23.3	23.6	29.0	32.2	....	50.1	51.8	34.0	27.3	25.9
6	25.1	24.1	22.0	25.2	30.2	32.4	....	51.3	50.5	33.6	30.4	25.9
7	25.3	24.2	24.5	25.5	29.1	32.9	....	51.8	49.9	33.3	30.3	25.9
8	25.6	24.5	24.7	24.4	29.7	33.3	45.8	50.3	49.0	33.1	29.9	27.9
9	25.3	24.3	23.5	23.3	29.4	32.9	45.7	53.0	52.2	33.1	30.2	27.4
10	25.1	23.7	23.5	26.6	29.6	33.5	45.1	51.8	48.8	33.3	29.5	27.1
11	25.8	23.8	23.0	27.6	30.2	33.9	46.2	52.4	48.8	33.7	29.9	27.1
12	24.7	24.7	22.0	27.8	29.7	34.2	46.2	52.9	49.0	32.5	29.6	27.2
13	24.6	24.1	23.2	28.3	30.1	34.3	45.4	53.2	48.4	32.9	29.9	27.1
14	24.3	23.4	22.7	27.9	30.2	33.8	44.1	53.6	48.1	33.2	29.9	27.6
15	24.3	23.5	22.6	28.3	30.3	31.8	46.9	51.6	48.2	32.7	29.7	27.3
16	24.5	24.6	22.7	28.5	29.7	33.5	47.7	52.2	48.1	32.4	29.1	27.1
17	24.6	24.3	23.1	27.7	30.4	34.9	47.2	52.8	47.3	32.3	29.1	26.9
18	24.2	24.6	23.4	27.6	30.6	35.5	47.0	54.6	43.8	32.3	28.8	27.0
19	23.7	24.1	22.8	27.7	30.6	34.5	47.5	49.2	42.4	31.8	28.6	26.2
20	24.2	24.0	23.2	28.1	31.3	35.3	47.9	53.2	41.6	32.1	27.6	26.5
21	24.8	24.1	23.6	28.2	31.2	35.7	48.3	54.1	37.1	31.4	27.0	26.9
22	25.1	24.3	23.3	28.4	31.6	35.4	47.6	53.3	36.5	30.9	27.7	27.1
23	25.1	24.2	23.1	29.2	30.9	35.8	48.3	53.1	42.2	29.7	27.9	26.8
24	24.8	24.3	23.0	28.6	31.0	36.6	48.3	53.6	40.6	29.2	27.8	26.1
25	25.6	24.1	22.7	28.4	31.6	36.7	48.3	51.5	37.1	29.3	27.4	26.8
26	25.5	24.3	23.1	28.1	31.5	36.9	47.6	52.4	36.6	29.6	27.4	26.2
27	24.8	24.2	23.0	28.1	31.8	37.4	47.6	52.7	36.0	29.3	27.9	26.3
28	24.8	23.6	22.7	27.8	32.0	37.7	48.1	51.9	35.6	29.3	28.5	26.6
29	24.5		22.9	28.1	32.1	37.3	48.7	....	36.1	29.0	28.5	26.4
30	23.6		22.3	28.1	32.2	36.6	49.6	....	35.1	28.4	28.1	26.1
31	23.9		22.8		32.3		49.9	50.4		27.9		26.2

Daily lowest water level, below mean sea level, from recorder graph, 1940

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.6	26.3	24.9	29.2	28.7	31.3	36.5	50.3	50.1	33.2	29.9	27.3
2	26.8	26.3	25.0	28.7	29.3	31.6	36.7	49.8	49.4	33.1	29.8	27.2
3	27.1	26.7	23.5	28.9	29.6	31.6	37.1	51.8	50.5	32.9	30.3	27.4
4	26.5	26.4	23.2	28.4	29.1	32.0	36.6	52.8	45.4	33.6	30.2	26.9
5	26.0	26.7	24.9	28.8	29.4	31.8	37.6	52.9	47.4	33.6	29.8	27.1
6	26.6	26.6	....	29.3	30.2	31.6	41.5	52.8	49.9	33.0	28.9	27.3
7	25.9	26.4	....	29.3	29.8	31.7	42.7	49.0	49.0	32.6	29.7	27.2
8	25.6	27.1	....	28.9	30.4	31.9	43.1	51.5	50.3	32.9	29.5	26.3
9	26.1	26.8	....	28.7	29.8	32.6	38.3	51.5	44.6	32.4	29.2	26.2
10	26.5	26.8	....	29.3	30.4	31.7	42.0	53.2	43.3	32.0	29.0	26.5
11	26.6	26.5	....	29.4	30.6	32.2	44.4	53.7	42.2	32.0	28.7	26.5
12	25.6	27.1	....	29.2	30.1	32.1	38.9	53.4	41.8	32.5	28.8	26.5
13	26.0	27.1	....	29.5	30.2	32.9	39.1	52.7	41.5	31.8	28.2	26.3
14	25.2	25.6	....	29.3	30.8	33.1	44.8	51.4	41.8	31.6	28.2	26.6
15	26.1	25.9	....	29.0	30.8	33.3	43.6	51.6	41.7	31.9	27.9	25.4
16	46.8	26.0	....	29.3	30.4	34.0	39.6	49.5	40.9	31.1	28.3	26.3
17	25.9	25.9	....	29.1	31.3	34.8	39.5	51.2	43.6	30.7	28.5	25.9
18	25.9	25.7	....	29.0	30.7	34.8	42.1	51.9	45.2	30.9	28.7	26.5
19	26.3	24.8	....	28.8	31.6	34.6	43.7	51.4	43.8	31.6	28.4	26.5
20	25.8	25.6	23.2	28.4	31.7	35.1	46.0	52.2	44.5	30.9	29.0	26.2
21	26.4	25.6	23.4	28.1	31.6	35.1	47.2	49.6	45.4	31.1	28.4	25.0
22	26.7	25.9	23.4	28.8	36.3	31.9	47.5	52.6	45.1	31.0	28.7	25.0
23	26.9	26.2	24.3	28.9	30.1	31.5	47.3	53.0	44.9	31.3	28.2	25.3
24	25.1	25.8	24.7	29.1	30.4	32.1	45.9	53.7	44.1	30.9	26.8	25.5
25	26.2	25.8	25.1	29.2	30.1	33.1	48.1	53.8	39.1	30.4	27.3	25.1

36. 22. 6. 8. 2--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1940

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	25.9	25.3	27.9	29.4	30.5	31.6	48.8	49.6	38.0	30.9	27.0	24.5
27	26.9	25.0	25.2	29.4	30.3	36.1	49.0	45.2	38.1	30.9	26.6	24.1
28	26.8	25.2	24.5	29.6	30.7	36.0	49.9	46.4	41.7	30.1	27.8	23.8
29	26.6	24.9	27.9	29.5	30.7	36.1	50.7	44.7	35.5	30.2	27.7	23.4
30	26.8		28.1	29.5	30.9	36.1	50.9	44.9	34.8	29.9	27.5	22.3
31	26.4		27.8		31.0		50.6	49.7		29.9		22.1

Daily lowest water level, below mean sea level, from recorder graph, 1941

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.7	24.4	25.4	25.2	....	34.5	44.1	47.8	54.3	36.1	31.4	28.3
2	23.4	24.3	23.5	23.5	....	33.6	44.2	50.6	51.5	36.5	30.6	30.8
3	23.8	24.3	23.6	....	....	33.5	39.1	50.4	45.8	35.6	31.6	28.5
4	24.7	24.5	23.8	....	....	32.8	43.4	50.3	45.1	35.5	30.6	28.1
5	24.6	24.2	23.5	....	....	35.5	45.8	49.8	44.2	35.9	31.3	28.2
6	22.6	23.9	23.6	....	....	35.9	44.9	48.4	50.0	35.1	30.3	....
7	23.3	23.5	23.2	....	....	34.0	40.0	49.8	49.6	34.7	29.6	....
8	23.3	23.7	22.0	....	....	34.7	39.5	51.0	49.4	34.8	30.9	....
9	23.5	24.0	22.5	....	....	33.6	42.0	51.8	49.1	34.7	30.4	....
10	23.6	24.1	23.2	....	....	33.9	43.3	52.9	49.1	33.9	30.6	....
11	24.0	24.3	23.0	....	....	33.3	43.0	52.4	44.1	34.3	30.3	....
12	24.2	24.3	23.6	....	....	33.7	45.2	51.8	44.0	33.4	30.5	....
13	24.0	24.0	22.3	....	....	33.8	46.0	52.6	49.2	33.6	30.2	....
14	25.3	23.6	23.4	....	....	34.4	46.1	53.0	49.0	33.8	29.8	....
15	25.4	24.0	23.6	....	....	34.6	44.7	51.5	46.7	33.6	29.4	28.1
16	24.2	24.4	23.5	....	....	34.1	45.0	52.5	45.7	33.6	29.2	28.1
17	24.6	24.0	24.0	....	....	33.9	40.5	52.8	46.5	33.6	30.2	27.7
18	24.7	25.2	24.8	....	....	32.0	34.3	45.3	52.3	46.0	33.6	29.8
19	24.8	24.3	24.5	....	....	31.9	35.5	45.8	49.4	45.5	33.4	29.9
20	25.2	24.1	23.5	....	....	32.5	36.0	47.0	49.3	46.1	33.4	30.4
21	24.7	23.9	24.0	....	....	32.4	36.3	45.8	49.6	47.7	32.7	29.6
22	25.2	23.4	25.2	....	....	33.0	36.9	45.9	50.9	46.2	32.8	29.7
23	24.5	23.6	22.9	....	....	33.4	37.0	47.3	51.9	44.7	32.4	29.2
24	24.2	23.6	23.0	....	....	33.7	36.4	47.1	51.3	43.4	33.2	29.5
25	24.0	23.5	22.8	....	....	33.6	37.2	47.7	50.3	41.9	32.7	29.1
26	24.4	23.8	23.3	....	....	34.1	37.3	49.6	50.4	42.8	32.2	29.0
27	24.0	24.3	23.3	....	....	32.8	37.8	50.6	50.8	48.1	32.0	28.9
28	24.3	25.4	22.8	....	....	33.3	42.4	49.9	50.1	48.6	32.2	28.2
29	24.4		22.9	....	....	33.3	43.4	48.0	50.8	41.3	32.1	28.4
30	24.5		23.2	....	....	34.6	43.8	47.5	53.1	36.6	31.9	29.0
31	24.8		24.8			35.2		47.3	52.5		31.2	25.9

Daily lowest water level, below mean sea level, from recorder graph, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Nov.	Dec.
1	26.3	24.0	24.2	27.0	29.5	31.9	35.8	27.0	....
2	25.8	25.6	23.8	28.4	29.3	31.1	34.9	27.1	....
3	25.8	25.3	22.9	27.9	29.7	30.9	35.4	26.9	....
4	26.5	25.1	24.6	27.8	30.5	31.0	41.7	27.5	....
5	23.9	25.0	24.0	28.0	30.2	30.9	42.2	27.4	....
6	21.8	25.0	24.1	28.0	30.0	31.4	42.3	27.2	26.2
7	21.2	22.6	....	27.9	29.4	31.4	37.9	27.7	26.3
8	21.3	24.9	....	28.0	29.4	31.8	41.2	27.2	26.4
9	21.8	24.9	....	27.9	29.4	31.5	....	27.3	....
10	21.9	24.5	....	27.2	29.7	32.0	....	27.1	....
11	....	24.3	....	27.4	30.4	32.0	....	27.5	26.2
12	....	24.3	....	28.6	29.9	31.9	....	27.3	25.9
13	22.1	25.0	....	28.5	30.3	32.7	....	27.6	25.9
14	22.4	....	....	28.7	30.3	32.9	....	27.9	26.1
15	22.5	....	....	28.6	30.4	32.7	....	26.9	25.3
16	22.6	....	....	28.6	30.8	32.2	....	26.8	24.9
17	22.5	....	....	28.3	30.4	32.4	....	26.4	25.2
18	22.0	....	....	28.2	30.2	32.4	....	31.7	25.6
19	22.1	....	....	28.2	29.8	33.3	....	26.7	25.7
20	22.3	....	....	28.2	29.8	33.8	....	26.9	25.8
21	21.9	25.1	23.4	28.1	29.5	34.0	....	26.4	26.8
22	22.0	24.6	23.5	28.2	30.1	34.0	....	26.6	25.7
23	22.1	23.8	23.5	28.2	30.2	33.9	....	26.8	26.6
24	21.9	23.7	23.5	28.3	30.1	34.3	....	25.8	25.9
25	22.8	23.3	23.1	28.3	30.5	34.6	....	26.2	25.7

35.22.6.8.2--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Nov.	Dec.
26	23.5	23.4	23.4	28.8	30.6	34.8	....	25.8	25.7
27	23.7	24.5	23.2	28.6	31.2	35.3	....	26.0	25.4
28	23.7	24.4	23.3	29.3	30.7	35.2	....	26.8	24.3
29	24.1		22.6	28.9	32.0	35.5	....	26.0	....
30	24.2		25.2	29.4	32.6	35.6	....	25.9	....
31	24.0		24.0		32.5		....		....

Daily lowest water level, above mean sea level, from recorder graph, 1943

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.1	23.4	23.6	24.4	31.6	36.7	47.1	49.0	32.4	....	26.2
2	24.9	25.0	23.7	23.8	27.5	31.3	42.0	49.2	48.8	32.1	....	26.1
3	25.2	25.0	23.4	24.3	28.5	30.7	43.7	48.0	46.8	31.7	....	25.8
4	25.2	24.7	24.5	28.9	30.9	44.0	48.0	48.3	31.4	....	25.2
5	24.6	25.2	24.6	27.7	32.0	43.9	47.8	49.1	31.4	28.0	25.5
6	23.7	24.2	24.8	28.9	32.2	43.1	49.2	49.0	31.5	27.8	25.5
7	24.9	25.1	24.6	28.7	32.4	37.6	49.5	47.0	31.6	28.1	25.6
8	25.3	25.2	24.5	29.1	32.9	37.7	49.4	43.3	30.9	27.0	25.6
9	24.8	24.9	24.3	29.4	32.3	38.1	49.7	45.8	30.7	28.1	25.6
10	24.4	24.3	23.8	29.5	31.6	43.4	49.4	45.4	30.9	28.5	25.9
11	24.7	23.9	23.9	29.3	32.1	43.6	47.6	47.2	31.0	28.0	26.5
12	24.2	23.8	23.3	29.1	32.9	43.5	47.8	47.0	30.9	27.9	25.9
13	23.7	23.5	23.4	29.0	32.8	43.3	47.6	46.1	30.9	27.9	25.8
14	23.7	23.8	23.9	28.8	33.0	42.1	47.9	46.5	30.6	27.9	25.6
15	24.8	24.0	24.1	29.2	33.8	43.5	48.5	45.1	29.9	27.4	25.5
16	24.6	23.9	23.8	29.3	34.2	44.4	50.6	45.5	29.2	27.6	25.2
17	25.0	24.0	24.2	29.9	34.7	45.3	48.5	43.9	29.9	27.1	25.9
18	25.1	24.2	24.3	29.8	34.9	45.0	49.0	42.4	29.6	26.7	25.5
19	25.4	24.2	23.3	30.3	35.0	45.5	49.5	41.9	29.4	26.2	25.6
20	24.8	23.9	26.1	30.2	35.5	45.6	50.0	40.8	29.4	26.0	26.4
21	24.8	24.3	24.0	30.2	35.5	45.6	50.0	36.3	28.5	26.1	26.2
22	24.5	23.9	24.5	30.1	35.7	45.8	50.4	34.8	28.1	26.6	25.5
23	24.5	24.2	24.4	29.9	35.8	44.1	50.0	34.2	28.7	26.5	25.0
24	24.5	24.6	24.5	30.3	36.0	45.9	50.2	34.0	28.8	26.2	25.3
25	24.4	24.4	24.4	29.9	36.2	46.1	50.2	36.2	28.4	26.8	....
26	24.0	24.0	24.5	29.9	36.5	46.3	49.2	37.2	27.2	26.8	....
27	23.5	23.8	26.3	30.4	36.7	45.2	48.9	34.6	28.4	26.3	....
28	23.7	23.2	26.7	30.5	36.8	45.0	48.4	33.9	27.8	27.0	....
29	23.7		23.2	24.6	31.1	36.0	45.3	48.7	33.3	29.4	25.9	....
30	23.6		23.6	23.9	31.4	36.7	45.7	49.0	32.0	....	25.6	....
31	23.8		23.5		32.0		48.8	49.2	....	....	....	....

Daily lowest water level, below mean water level, from recorder graph, 1944

Day	Jan.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	28.4	31.3	43.1	50.4	53.2	40.3	32.6	29.7
2	....	....	28.3	31.2	44.7	49.9	53.2	40.4	32.3	29.1
3	....	....	28.3	31.6	46.1	48.2	53.8	39.6	31.8	28.4
4	....	....	28.0	32.4	46.7	50.4	54.1	39.5	31.5	27.8
5	....	....	28.4	32.2	46.1	51.0	52.4	38.8	31.3	27.5
6	....	....	28.7	32.9	46.2	51.3	53.8	38.2	30.8	27.6
7	....	....	28.9	33.4	47.0	49.1	52.2	38.1	30.3	27.6
8	....	....	29.6	33.6	48.4	50.5	52.3	38.0	30.3	27.1
9	....	....	29.9	34.3	48.6	51.0	53.2	37.8	30.1	28.0
10	....	....	29.6	34.6	49.4	51.8	52.5	37.8	30.1	28.1
11	....	....	29.7	34.4	49.6	51.8	51.1	37.1	30.5	27.7
12	....	....	29.3	34.1	48.6	52.5	49.8	37.3	30.6	27.7
13	....	....	29.2	34.8	46.7	52.5	48.7	37.1	30.3	28.5
14	24.7	27.6	29.6	35.4	45.5	52.7	48.5	37.1	30.2	28.1
15	24.2	27.2	29.7	33.9	47.7	52.2	53.8	37.5	30.1	27.8
16	24.7	27.2	27.9	34.3	47.8	51.5	57.6	37.5	29.9	28.1
17	24.5	27.2	27.5	38.5	48.5	52.1	57.0	36.7	29.6	27.9
18	24.1	27.3	28.0	38.7	48.0	51.9	54.3	36.5	29.1	27.6
19	24.2	28.0	28.4	36.6	48.3	52.9	54.1	36.3	29.8	27.1
20	23.4	28.2	29.4	36.1	48.0	53.6	52.7	35.4	28.9	27.6
21	23.7	28.1	30.5	36.1	48.5	54.0	51.8	34.3	28.8	27.6
22	....	27.8	30.5	39.8	49.8	54.0	51.8	32.8	28.8	27.2
23	....	28.4	29.3	36.4	50.9	53.6	51.8	32.8	28.5	27.3
24	....	28.2	28.3	36.4	50.9	53.5	51.4	32.7	28.5	27.6
25	....	28.2	29.9	36.4	50.6	53.9	45.0	32.7	28.8	26.8

36. 22. 6. 8. 2--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1944

Day	Jan.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	28.0	31.1	36.6	50.8	54.1	47.7	32.7	29.0	....
27	27.7	31.2	36.7	51.0	54.3	44.8	32.2	29.0	....
28	27.9	31.5	38.1	51.5	54.3	44.7	31.7	28.6	....
29	28.1	31.7	40.0	50.9	51.7	43.7	31.9	28.3	....
30	28.1	31.9	37.0	50.9	53.5	40.5	32.3	26.5	....
31	31.9	....	50.8	53.2	....	32.3	....	26.8

Daily lowest water level, below mean sea level, from recorder graph, 1945

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.5	27.3	25.4	25.9	31.2	33.9	49.1	49.0	54.0	37.1	30.8	27.2
2	27.6	26.9	25.5	25.7	31.1	33.9	49.1	50.6	54.3	36.4	31.2	27.4
3	27.1	26.6	25.2	26.8	30.7	34.1	47.4	50.6	53.7	36.9	31.1	27.9
4	26.7	26.4	26.1	27.2	30.7	33.6	49.7	50.3	52.2	36.2	30.7	28.3
5	26.6	26.5	25.5	29.2	30.9	32.9	49.4	51.3	51.7	35.8	30.8	27.5
6	26.5	26.1	24.9	30.2	31.1	33.4	48.6	51.2	53.0	35.3	31.2	27.0
7	25.6	26.2	24.8	30.0	31.2	33.1	49.3	51.1	53.0	35.0	35.3	27.4
8	25.6	25.7	24.8	30.2	31.5	34.5	....	50.8	53.6	34.5	31.0	28.4
9	25.8	26.3	24.6	30.5	31.8	34.9	....	51.3	54.0	34.1	30.9	28.3
10	26.3	26.2	24.9	30.3	31.3	35.8	....	51.9	52.8	34.1	30.6	27.7
11	26.6	26.2	24.7	30.7	32.0	35.4	....	52.4	53.3	34.1	30.1	28.4
12	26.7	26.4	25.1	30.8	32.1	35.8	....	52.8	52.9	33.6	30.0	28.4
13	....	26.5	25.1	30.8	32.3	36.4	....	52.8	53.2	33.5	29.8	27.9
14	....	25.3	25.3	30.8	32.1	34.7	51.0	52.9	52.6	33.5	29.2	27.2
15	....	26.2	25.1	30.9	32.3	36.5	49.9	52.7	52.8	33.2	29.2	28.1
16	....	26.2	25.2	30.9	32.1	37.1	50.8	52.2	52.6	33.2	30.1	28.7
17	....	25.8	24.9	30.7	32.1	39.2	....	52.0	49.4	33.2	29.9	29.2
18	....	26.1	25.1	30.8	31.8	41.2	....	52.6	47.0	33.2	29.9	28.9
19	....	26.4	24.9	30.8	31.6	41.5	....	53.1	47.8	32.3	29.5	27.1
20	....	25.9	24.8	30.8	31.6	37.5	....	53.4	46.7	32.4	30.0	27.9
21	....	25.7	24.2	30.7	32.1	39.5	50.5	53.2	46.7	32.8	29.7	28.6
22	....	25.2	23.6	30.9	32.0	37.8	50.4	53.4	48.8	32.7	29.2	28.4
23	....	25.2	24.1	31.1	32.1	41.3	....	53.4	48.5	32.6	29.3	28.7
24	....	26.1	24.5	31.1	32.3	43.3	....	51.4	46.0	32.2	29.3	28.3
25	....	25.9	24.6	30.8	33.1	45.1	....	52.5	43.9	31.8	29.0	27.8
26	....	25.5	24.8	30.8	33.6	44.2	51.1	53.8	43.8	32.2	28.7	28.2
27	....	25.6	25.0	31.2	33.1	44.6	50.8	53.9	43.4	32.6	28.5	28.9
28	....	25.9	25.2	31.5	32.1	45.7	51.5	53.1	43.0	32.1	27.7	28.8
29	....	....	24.9	....	33.5	45.7	51.7	54.0	42.4	31.5	27.0	28.4
30	....	....	25.5	....	32.3	47.5	52.0	53.8	38.4	31.5	27.4	27.6
31	27.3	....	25.2	....	33.8	....	49.7	53.9	....	31.3	....	27.7

Daily lowest water level, below mean sea level, from recorder graph, 1946

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.2	26.6	....	....	32.3	35.4	....	53.5	56.4	43.0	....	31.6
2	28.3	26.6	....	....	32.6	35.7	....	53.6	56.4	43.4	....	....
3	27.9	26.8	....	....	32.3	34.3	....	56.0	54.4	42.6	....	....
4	28.0	26.3	....	....	32.9	....	....	56.7	52.8	42.1	....	....
5	27.7	26.2	....	....	32.3	35.5	....	57.0	51.7	41.5	....	31.9
6	27.9	25.8	....	....	32.3	....	....	55.7	51.9	41.3	....	....
7	26.7	26.6	....	....	32.5	....	....	53.6	53.7	38.9	....	....
8	27.5	26.3	....	....	33.2	....	....	54.9	52.6	37.7	....	....
9	27.2	25.9	....	....	32.5	....	....	56.4	52.4	....	....	....
10	27.0	25.2	....	....	....	....	....	56.7	52.3	....	32.6	....
11	27.2	25.1	25.3	....	....	....	....	57.0	52.4	36.4	....	....
12	26.8	25.7	25.6	....	....	....	....	57.5	52.9	....	....	....
13	27.1	25.6	25.6	....	33.2	....	....	57.4	52.5	36.4	....	....
14	27.2	25.6	25.6	31.6	....	....	....	57.0	52.8	....	....	....
15	27.0	26.6	25.2	....	....	....	....	57.6	54.6	....	32.8	30.6
16	26.9	26.5	25.3	....	....	....	....	57.8	51.0	....	32.9	....
17	26.3	26.0	25.4	....	....	....	....	57.6	53.2	....	32.2	....
18	26.5	26.0	25.0	....	....	....	....	56.1	52.6	....	32.3	....
19	27.3	25.7	24.5	....	33.3	....	....	56.1	52.0	....	31.9	....
20	26.5	25.7	24.9	32.2	33.1	....	....	55.6	51.9	....	32.0	....
21	25.6	26.6	25.1	32.5	33.2	....	....	55.4	50.5	....	32.1	....
22	27.2	26.0	25.0	32.0	33.1	....	....	54.7	50.7	....	31.7	30.5
23	26.8	25.2	25.2	32.0	33.6	....	....	54.3	51.6	....	32.2	....
24	26.3	24.6	25.3	32.3	33.5	....	....	57.3	49.8	....	31.8	....
25	26.9	24.8	25.4	32.7	34.0	....	52.5	56.9	48.6	....	31.5	....

36.22.6.8.2--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1946

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	27.2	25.0	27.5	31.3	34.5	....	52.7	57.4	48.3	....	31.6	....
27	26.7	25.3	27.1	32.2	33.1	....	55.3	55.6	48.5	34.3	31.4	....
28	26.2	....	25.6	32.7	33.2	....	55.5	55.5	49.7	34.1	31.4	....
29	26.6	....	....	33.0	33.9	....	56.0	55.9	48.9	33.7	32.1	....
30	26.2	....	....	32.6	34.4	....	55.9	54.8	47.5	33.8	31.6	....
31	25.8	....	....	....	35.1	....	55.8	55.8	....	....	....	....

Daily lowest water level, below mean sea level, from recorder graph, 1947

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.8	31.9	35.0	37.9	49.7	55.7	57.9	....	....	....
2	28.4	27.2	31.7	32.8	36.9	49.9	....	57.0	....	....	....
3	28.7	28.0	31.5	33.4	36.8	50.7	57.7	55.0	....	....	....
4	27.9	31.8	33.3	36.3	52.7	....	57.4	....	....	....
5	28.3	31.9	33.2	36.8	54.4	57.9	54.2	37.5	....	....
6	28.1	32.2	33.8	37.4	54.8	58.1	54.3	....	....	....
7	27.6	33.0	33.8	36.8	55.1	....	56.5	....	....	....
8	27.5	32.8	33.8	36.9	54.8	58.4	54.5	36.5	....	....
9	27.7	32.3	34.3	37.1	53.0	....	54.2	....	....	....
10	27.9	32.6	34.1	38.1	54.7	59.1	....	38.2	....	....
11	30.0	27.6	32.6	34.4	38.5	53.1	59.1	54.6	37.9	31.4	....
12	29.5	29.2	27.9	32.8	34.4	38.4	....	58.8	54.8	37.4	31.9	....
13	29.1	27.8	32.9	33.8	38.4	55.3	59.2	....	37.4	31.6	....
14	28.5	27.7	32.4	33.0	38.2	....	59.3	55.7	35.7	32.1	....
15	28.3	27.7	32.6	33.1	38.2	54.9	59.4	....	35.3	31.8	....
16	28.4	27.9	27.3	32.1	34.0	38.7	55.1	60.4	49.2	35.3	31.8	....
17	28.5	27.8	27.4	32.4	34.4	38.6	55.4	59.1	49.6	....	32.5	....
18	28.8	27.4	27.1	35.6	33.9	39.0	55.4	57.4	49.5	....	32.7	....
19	28.1	27.2	34.8	34.3	39.2	54.5	59.1	53.4	....	31.9	....
20	27.1	27.0	34.2	34.3	39.1	55.8	57.7	51.0	....	31.9	....
21	27.2	26.8	35.5	35.4	42.4	....	55.0	50.6	36.6	31.3	....
22	28.6	26.7	35.7	36.0	44.6	53.9	58.4	49.2	36.8	31.7	....
23	28.5	27.3	35.1	35.0	47.4	56.0	59.3	47.6	36.6	31.2	....
24	28.2	26.9	34.8	35.9	46.6	56.3	60.0	46.3	36.3	31.6	....
25	28.5	27.1	34.1	35.4	46.5	56.7	59.1	45.1	36.2	31.6	....
26	28.4	28.4	28.4	33.5	35.5	46.9	56.9	59.1	44.1	36.4	31.1	....
27	28.7	29.0	33.0	35.4	49.2	57.1	56.8	43.6	36.4	30.6	....
28	28.6	28.8	33.8	34.7	49.8	....	54.3	42.1	36.1	31.4	....
29	27.8	34.2	34.9	49.9	54.9	56.4	....	....	31.8	....
30	27.9	34.4	36.0	50.0	55.8	56.8	....	....	31.4	....
31	31.5	....	37.0	....	56.1	57.4	....	34.7	30.8	....

Daily lowest water level, below mean sea level, from recorder graph, 1948

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.2	30.3	....	33.0	34.2	....	....	53.7	54.2	41.6	36.8	34.5
2	29.7	30.1	....	....	34.0	....	....	54.0	56.7	41.6	36.2	33.7
3	30.6	30.4	....	....	....	36.0	50.4	53.5	57.1	41.8	35.2	32.9
4	30.0	29.9	28.4	....	34.7	35.9	51.2	51.2	57.2	39.8	35.1	32.3
5	30.0	....	28.9	....	....	36.4	52.1	50.5	58.4	38.6	35.9	32.8
6	30.4	....	29.1	....	....	37.4	....	54.2	58.4	37.5	36.1	32.7
7	30.6	....	29.1	....	31.9	37.0	....	55.1	57.0	37.5	36.2	36.4
8	29.9	....	29.1	....	32.8	37.1	50.8	55.7	55.7	37.6	36.2	33.3
9	30.5	....	28.7	....	34.0	37.1	51.8	55.3	57.0	39.8	35.7	33.1
10	30.9	....	28.7	34.0	....	37.3	52.8	53.2	54.1	38.5	35.3	33.3
11	30.6	....	28.2	33.7	....	37.6	53.7	55.5	54.5	39.7	35.3	32.9
12	30.4	....	28.8	33.6	....	38.3	53.8	53.6	56.3	38.7	32.8	32.7
13	30.1	....	28.8	33.7	....	38.7	52.7	54.8	53.2	39.3	33.1	32.4
14	30.2	....	28.0	33.7	....	38.7	51.4	55.7	53.0	39.0	33.0	32.4
15	30.3	....	28.8	34.2	35.0	....	49.8	55.5	52.1	38.1	33.6	31.9
16	30.7	....	31.2	34.0	35.4	....	51.9	55.3	51.8	38.3	33.8	31.8
17	30.6	30.1	31.2	34.0	....	....	52.2	54.9	50.7	38.2	34.0	32.2
18	30.4	30.4	31.1	34.1	....	....	52.4	54.7	50.2	37.1	34.1	32.1
19	....	29.6	30.7	34.2	....	....	53.2	....	50.9	37.3	33.8	31.8
20	....	29.8	30.6	34.2	....	....	52.6	....	49.4	37.5	33.8	31.8
21	....	29.5	28.8	33.8	....	....	52.7	56.0	48.0	37.9	33.2	32.6
22	30.4	29.3	30.9	34.3	35.0	....	53.3	56.6	48.0	36.8	34.2	32.2
23	....	29.2	29.8	34.1	36.0	....	53.6	56.9	48.1	36.0	34.7	32.7
24	....	....	29.3	34.3	....	....	54.3	56.1	44.4	35.4	34.9	32.6
25	....	29.4	28.9	34.0	36.1	....	54.5	56.7	44.1	35.1	34.3	32.1

36.22.6.8.2--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1948

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	....	....	28.9	34.0	....	40.5	55.0	56.4	44.3	35.5	34.4	32.1
27	30.1	29.6	28.9	34.1	....	....	54.8	56.7	44.1	36.0	34.7	33.0
28	30.6	....	29.2	33.6	....	....	55.0	56.5	43.8	36.6	34.9	33.3
29	30.8		32.4	33.7	36.9	....	55.0	57.7	43.1	36.7	36.2	33.3
30	31.2		33.0	33.9	37.5	....	55.1	57.6	42.5	36.7	36.2	31.6
31	31.0		33.1		....		55.3	56.5		36.8		31.7

Daily lowest water level, below mean sea level, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.8	30.7	28.9	28.4	30.4	34.8	49.9	60.4	....	43.6	38.1	35.4
2	32.2	30.8	28.7	28.5	33.2	34.6	53.8	60.1	....	43.2	38.0	35.3
3	32.1	30.5	28.6	28.0	31.8	35.1	57.0	60.2	59.3	41.8	37.9	35.4
4	31.8	29.4	28.5	28.4	30.1	38.0	59.1	58.5	59.9	41.6	38.0	35.0
5	31.9	29.6	28.3	28.3	34.0	35.9	56.7	58.6	60.1	41.1	38.2	35.3
6	31.9	29.8	28.9	28.6	34.4	35.7	52.2	59.0	57.4	41.3	38.0	35.9
7	32.0	29.9	28.3	28.5	34.6	35.7	53.7	59.6	54.5	42.0	38.0	35.7
8	31.9	30.4	28.6	28.8	34.8	37.2	53.1	61.7	53.8	42.1	37.7	35.8
9	31.3	30.0	28.2	29.1	35.1	37.3	55.2	59.7	53.9	42.1	37.6	36.0
10	31.8	29.2	28.0	29.7	35.1	38.2	55.8	60.6	55.3	41.7	37.4	35.8
11	31.1	29.5	28.0	29.1	34.6	39.4	55.8	60.5	54.0	42.0	37.4	35.0
12	....	29.6	28.9	29.2	34.6	40.8	51.3	63.1	53.1	40.5	37.0	32.8
13	....	30.3	29.6	29.1	35.0	41.3	49.6	63.2	51.2	41.3	37.0	33.3
14	....	30.0	28.7	29.1	35.4	42.6	52.7	60.2	49.8	41.1	36.9	33.8
15	31.0	29.8	28.5	28.8	35.6	42.5	54.3	60.5	51.1	40.7	36.6	34.4
16	30.5	29.5	29.6	29.5	35.4	42.5	56.0	60.3	50.3	40.1	36.3	34.8
17	30.6	30.5	29.2	30.1	35.5	42.6	56.5	61.8	51.3	40.2	36.3	34.8
18	31.5	29.8	28.6	29.8	35.6	43.1	56.6	56.3	51.3	40.0	36.6	34.8
19	31.1	30.3	....	29.4	35.3	43.7	56.5	58.1	49.4	39.1	36.8	34.6
20	31.2	29.7	....	30.1	35.5	44.0	56.3	60.5	50.5	39.8	36.6	34.5
21	30.9	29.5	....	30.1	35.2	45.0	56.7	60.3	50.5	39.7	36.5	34.3
22	31.3	29.3	....	30.0	35.6	44.6	58.1	61.3	47.1	39.3	36.8	34.3
23	30.9	29.3	....	29.7	35.7	44.2	58.7	60.9	47.4	39.9	36.9	34.7
24	30.8	28.9	....	29.7	35.8	44.8	60.3	62.2	46.7	39.9	36.7	33.6
25	30.4	28.3	....	29.5	35.7	45.5	59.4	59.6	47.2	39.3	36.2	34.2
26	30.1	29.1	....	30.0	35.9	49.8	58.7	59.7	45.3	39.4	36.3	34.7
27	30.2	28.4	....	30.0	36.4	51.4	58.9	61.9	45.1	39.7	36.3	34.9
28	29.8	28.0	....	29.9	36.6	47.5	60.3	62.2	44.4	39.5	35.9	34.9
29	30.4	....	....	30.5	37.3	46.4	59.7	....	43.8	38.9	34.8	34.4
30	30.9	....	....	30.5	38.4	46.8	62.1	....	43.9	38.6	35.0	34.0
31	30.3		27.6		37.7		60.6	....		38.2		33.5

Daily lowest water level, below mean sea level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33.7	32.3	31.6	31.2	32.0	36.8	52.1	....	60.0	43.3	38.9	....
2	33.4	32.2	32.2	31.2	32.2	40.0	54.6	....	61.1	43.2	38.7	....
3	33.5	32.9	32.5	31.6	31.9	40.1	54.7	....	60.0	43.0	38.8	47.3
4	33.9	32.7	32.3	31.5	32.2	39.8	55.5	....	60.4	42.7	38.4	....
5	34.1	32.7	32.0	31.7	....	39.8	58.2	....	55.9	42.7	38.1	....
6	33.3	32.6	32.1	31.6	....	39.0	50.1	....	53.8	42.2	39.3	....
7	34.1	32.0	31.9	31.0	32.8	40.2	53.9	....	53.7	42.1	39.1	....
8	34.7	32.2	31.3	30.9	33.1	40.8	52.5	....	53.8	41.7	38.9	....
9	35.1	31.3	32.6	31.7	33.0	41.2	52.8	57.5	50.0	....	38.1	....
10	34.9	31.8	32.6	32.3	32.5	41.7	51.4	57.8	49.8	....	38.2	45.9
11	35.5	31.3	31.9	32.0	32.6	42.0	52.0	58.2	49.2	....	38.3	45.5
12	35.0	31.5	31.0	32.0	32.5	41.9	51.6	58.3	47.7	....	38.0	46.1
13	32.7	31.5	30.4	31.1	32.4	41.8	52.2	59.4	47.9	....	38.1	46.4
14	33.0	30.7	31.0	31.7	32.8	41.0	50.3	60.1	49.2	....	38.4	46.3
15	33.4	30.8	31.3	31.6	34.4	40.5	....	59.7	51.2	41.0	38.3	45.9
16	32.9	31.4	31.2	31.8	35.6	41.5	....	59.9	51.3	41.0	38.0	45.6
17	33.6	31.7	31.0	32.0	36.1	41.9	....	60.4	48.6	41.2	37.6	45.6
18	33.1	31.7	32.0	32.1	33.1	43.3	....	61.0	51.2	41.0	37.6	45.7
19	32.9	32.0	31.7	31.8	32.9	42.4	....	60.6	49.6	40.5	....	45.5
20	33.3	32.7	31.6	31.6	34.9	42.3	....	59.8	51.6	40.3	....	45.2
21	33.1	32.3	31.0	31.7	33.2	42.8	....	58.7	48.2	40.1	....	....
22	33.1	31.6	30.9	32.1	36.8	42.7	....	57.7	49.3	40.2	....	....
23	32.9	31.9	31.0	31.8	37.2	43.1	57.0	57.7	45.5	40.0	....	....
24	32.7	32.2	31.3	32.1	37.5	43.1	57.0	58.0	45.8	39.2	....	44.8
25	32.7	32.6	31.2	32.1	37.2	44.6	56.3	59.3	45.1	39.3	....	45.4

36. 22. 6. 8. 2--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	32.9	32.4	31.2	31.7	37.7	44.8	55.2	60.6	44.8	39.3	....	45.0
27	32.6	32.0	30.9	32.2	39.1	43.8	....	61.1	44.8	39.3	....	45.2
28	32.0	31.3	30.9	31.7	39.3	44.2	....	61.3	44.1	39.1	47.3	45.3
29	31.9		31.1	32.1	39.3	42.7	....	60.5	47.6	39.0	....	44.9
30	32.5		31.2	32.1	39.8	45.3	....	59.7	43.6	39.0	....	45.0
31	31.9		31.2		39.3		....	60.0		38.9		44.8

36. 22. 6. 9. 1. Normandie well (Schwartz well). Intersection of Ocean Ave. and Ninth St., Ocean City. There are daily fluctuations, due to tides and nearby pumping, up to 7.5 feet, and seasonal fluctuations, due to local pumping, up to 30 feet. Highest water level 19.0 below mean sea level, Mar. 5, 1941; lowest 63.0 below mean sea level, Aug. 31, 1950. Records available: 1928-50.

Daily lowest water level, below mean sea level, from recorder graph, 1928

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 2	32.0	Nov. 19	30.0	Dec. 2	29.5	Dec. 20	29.3
7	31.5	20	31.1	3	29.7	21	30.0
8	30.9	21	30.5	4	29.3	22	29.5
9	31.5	22	30.7	5	29.3	23	28.9
10	31.2	23	30.4	6	29.9	24	29.2
11	30.5	24	30.4	7	29.3	25	28.7
12	30.1	25	29.7	14	29.4	26	29.5
13	30.1	26	31.0	15	29.1	27	28.0
14	30.2	27	30.3	16	29.9	28	28.7
15	30.9	28	31.0	17	28.5	29	29.5
16	30.7	29	30.1	18	29.1	30	29.2
17	30.7	30	30.3	19	30.1	31	29.4
18	30.5	Dec. 1	30.7				

Daily lowest water level, below mean sea level, from recorder graph, 1929

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.0	27.5	28.4	31.1	30.9	32.6	38.3	48.3	51.5	38.8	34.7	32.7
2	29.3	27.7	28.3	30.7	31.3	32.3	38.6	48.3	52.4	38.8	33.1	32.2
3	28.6	26.9	27.1	31.7	31.2	32.3	44.0	48.7	52.2	40.3	....	32.3
4	29.2	28.3	28.0	31.5	31.9	33.2	43.5	49.0	51.5	39.8	....	31.0
5	....	27.9	26.7	31.6	31.1	33.3	43.6	49.5	50.7	37.8	....	32.2
6	....	27.4	27.3	31.3	31.9	33.3	44.5	49.6	49.7	39.5	33.7	31.2
7	....	27.2	28.5	31.1	32.2	33.4	45.5	....	51.4	37.3	33.3	30.6
8	....	28.2	28.3	30.9	31.5	35.3	45.5	49.9	51.0	36.5	32.8	29.9
9	....	28.1	28.1	33.5	31.2	34.1	45.2	49.9	....	36.0	32.8	29.9
10	....	27.2	28.2	33.2	32.2	33.3	45.6	50.5	....	37.8	32.5	30.1
11	....	27.7	28.6	31.0	32.5	33.9	45.5	50.2	....	36.4	32.7	29.5
12	28.7	28.1	27.6	30.5	32.2	34.1	45.9	50.2	....	36.7	32.8	30.9
13	27.9	28.1	28.1	31.5	32.7	34.5	46.3	49.7	45.2	35.3	32.2	30.7
14	28.9	28.1	27.9	29.0	31.3	34.5	46.2	50.0	45.4	35.1	32.1	30.0
15	29.5	28.3	26.9	30.6	32.3	34.9	45.9	49.8	45.2	35.4	32.5	29.8
16	29.3	26.5	28.1	29.2	31.9	35.2	46.7	50.5	45.5	34.1	32.9	29.7
17	28.5	27.3	27.3	30.4	32.1	35.1	46.7	....	43.4	34.6	32.6	29.5
18	28.9	27.1	28.9	32.0	32.5	35.5	46.8	....	42.8	36.1	32.0	29.3
19	....	27.1	28.3	31.4	32.3	36.1	45.3	51.2	41.7	36.6	33.2	28.8
20	....	27.3	27.7	31.3	32.4	36.1	46.2	50.8	45.3	34.4	31.6	28.9
21	....	26.3	27.9	30.7	31.9	35.3	46.3	51.5	41.2	34.1	32.3	29.7
22	....	27.7	29.3	30.8	32.5	36.3	45.7	51.2	41.9	33.5	31.7	29.5
23	27.2	27.7	29.5	31.3	32.3	36.9	45.9	51.5	39.7	33.2	30.4	27.3
24	27.3	27.3	29.5	31.5	32.3	37.5	47.5	51.8	39.9	34.4	31.3	28.3
25	27.4	27.7	30.1	32.5	32.0	37.5	47.8	52.1	39.5	33.6	31.9	28.9
26	27.7	27.5	30.3	32.3	32.4	....	47.2	52.2	40.6	33.6	31.1	28.5
27	28.3	28.3	30.7	32.5	32.3	....	48.2	52.5	41.6	33.0	31.3	28.9
28	27.2	27.7	30.9	30.7	32.6	....	48.6	52.3	41.6	34.4	31.8	29.0
29	28.5		31.1	31.5	32.2	....	49.0	51.7	40.8	34.3	32.2	28.4
30	29.2		31.1	32.9	33.0	41.6	49.0	50.5	40.3	35.3	32.5	29.5
31	27.7		30.9		33.2		48.5	51.3		34.5		29.4

36. 22. 6. 9. 1--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1930

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29.3	29.5	26.7	28.8	31.1	....	39.1	47.0	51.1	37.7	32.6	31.0
2	29.3	28.3	26.6	29.1	31.4	....	41.9	48.6	49.9	36.1	32.6	31.3
3	28.7	27.9	27.0	28.6	31.5	....	42.8	49.0	....	38.0	32.5	31.1
4	29.2	28.0	26.7	28.7	32.0	35.8	44.1	48.7	....	37.3	31.2	30.3
5	28.9	27.1	26.4	28.8	31.8	36.0	44.4	48.3	....	35.8	32.0	29.7
6	29.0	26.7	26.4	28.0	31.8	35.5	43.6	48.2	48.4	35.4	33.2	29.3
7	28.5	27.2	25.6	28.3	32.1	33.8	43.8	48.8	47.2	35.4	33.6	29.2
8	28.2	26.8	25.4	29.1	32.3	34.0	42.7	48.5	44.7	34.7	....	29.5
9	27.7	26.9	26.2	28.9	32.6	32.4	42.4	49.3	....	34.4	....	30.1
10	27.8	27.4	26.5	28.9	33.7	32.0	40.4	51.1	....	34.7	....	30.2
11	27.8	27.8	26.3	29.1	34.2	33.5	40.3	50.4	....	34.4	32.1	29.5
12	27.8	27.4	26.2	28.9	33.8	33.9	44.2	51.7	....	34.7	31.6	29.6
13	28.3	27.1	26.9	29.0	34.1	32.3	44.9	51.0	44.2	34.0	31.8	29.7
14	27.9	28.3	26.8	28.7	32.2	34.5	43.8	50.9	43.6	33.5	31.2	28.7
15	28.3	27.2	27.0	29.5	31.2	34.9	40.7	49.2	41.7	32.7	30.9	29.1
16	28.3	27.3	26.7	29.2	32.3	35.2	44.1	....	41.5	33.3	30.5	29.4
17	28.6	27.4	26.3	28.5	33.9	33.1	45.5	....	41.6	33.2	30.8	29.7
18	....	27.3	25.7	29.9	31.6	32.1	45.7	49.6	....	33.7	30.8	29.3
19	....	27.1	25.9	28.9	31.7	33.9	46.5	49.6	....	33.5	30.5	29.2
20	....	26.9	26.3	29.1	31.6	35.2	46.7	49.7	41.0	33.2	31.0	29.2
21	....	26.9	26.4	29.1	....	35.9	47.2	49.0	41.1	33.7	30.8	28.9
22	27.6	26.8	27.6	28.7	....	36.1	46.8	48.7	40.9	34.2	30.8	28.9
23	27.3	26.6	27.7	28.9	....	37.1	46.7	48.2	39.3	33.2	30.8	28.5
24	27.6	26.5	27.8	29.2	33.4	37.1	47.3	50.2	39.3	33.9	30.3	29.5
25	27.9	26.5	27.5	29.2	33.1	36.6	47.6	51.0	39.6	33.4	30.8	29.3
26	28.1	26.3	28.4	29.7	33.1	37.7	....	50.7	38.1	32.0	30.7	29.0
27	27.9	26.7	29.0	29.4	34.6	36.8	....	50.4	38.0	31.9	31.0	....
28	27.6	26.8	28.8	29.3	32.7	37.8	48.7	50.6	38.7	31.6	31.4	....
29	28.1	....	28.8	30.8	33.4	39.1	48.6	50.7	37.9	32.0	30.2	28.8
30	28.1	....	28.5	30.9	34.6	40.0	48.0	51.0	37.5	32.4	30.6	28.9
31	28.5	....	28.6	....	....	....	48.4	51.5	....	32.8	....	28.9

Daily lowest water level, below mean sea level, from recorder graph, 1931

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.5	26.7	....	27.3	30.5	32.1	37.4	47.5	47.8	37.9	32.7	30.6
2	28.5	27.1	....	28.1	30.3	31.6	39.2	47.7	47.8	37.1	32.8	31.3
3	28.5	27.0	....	29.1	30.0	32.0	37.7	47.6	47.3	37.4	32.8	30.5
4	28.5	27.2	....	....	30.4	32.1	42.0	48.0	45.8	37.3	32.8	29.8
5	27.9	27.0	....	....	30.6	31.9	42.9	48.1	47.9	37.0	32.8	30.8
6	27.9	27.1	....	....	30.1	32.1	42.2	48.1	49.6	37.0	32.9	29.4
7	29.1	26.9	....	28.1	30.3	32.0	41.3	49.0	49.7	36.2	32.1	30.5
8	28.9	26.5	....	28.7	30.8	31.6	42.1	48.7	46.7	36.1	32.0	30.4
9	28.4	26.3	....	28.8	30.0	32.4	41.0	48.8	44.5	35.3	32.6	29.4
10	28.4	26.6	....	28.9	30.0	31.9	40.9	48.0	46.5	35.2	32.1	29.7
11	28.1	26.6	....	....	29.6	32.3	42.7	46.4	48.4	35.2	32.0	29.4
12	27.4	26.7	....	29.3	29.3	32.5	43.3	46.1	48.4	35.4	31.9	29.3
13	28.1	26.3	26.6	29.5	29.1	32.9	44.0	....	48.8	35.8	....	29.2
14	27.9	26.3	26.8	29.2	29.8	33.5	43.2	....	48.2	35.1	32.0	29.7
15	27.7	27.0	25.9	29.2	30.2	34.1	42.7	47.6	47.9	34.7	31.3	30.1
16	27.6	26.8	25.5	29.1	30.0	33.4	44.1	49.0	43.4	33.9	31.2	30.0
17	27.9	26.1	24.4	28.9	30.8	33.9	43.7	49.1	43.1	34.5	31.8	29.7
18	27.7	26.4	25.8	29.8	31.4	34.5	....	47.8	43.3	34.5	31.5	29.4
19	27.1	26.0	25.5	29.5	30.7	34.8	44.5	49.0	....	34.1	30.5	29.3
20	27.5	25.8	25.5	29.5	31.6	35.1	44.4	47.7	....	34.2	30.4	28.5
21	27.9	26.1	26.1	29.9	31.5	35.8	44.2	45.7	....	33.8	30.8	28.4
22	28.0	26.2	26.0	29.8	30.9	35.9	44.3	46.2	....	33.4	30.9	28.3
23	28.1	26.1	25.2	29.7	30.5	34.8	44.2	45.8	....	33.1	30.7	28.8
24	28.1	26.0	25.5	29.4	30.7	35.2	43.7	46.3	....	32.9	30.4	28.3
25	27.5	....	26.5	29.5	31.1	35.0	....	46.9	....	33.0	30.5	26.8
26	27.5	....	27.2	29.5	30.7	35.7	....	47.2	40.9	33.6	30.7	29.1
27	27.2	....	27.4	30.0	30.9	35.9	....	47.0	40.5	33.3	....	28.6
28	27.3	....	27.7	29.4	31.6	39.0	....	47.2	39.9	32.8	30.2	28.3
29	27.2	....	27.8	29.5	31.7	37.3	....	47.6	39.1	33.1	30.3	28.4
30	26.8	....	28.5	30.1	32.5	39.0	....	47.2	38.7	32.4	30.3	28.7
31	26.8	....	28.2	....	32.5	....	....	....	....	32.8	....	28.6

36.22.6.9.1--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1932

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.4	27.8	25.7	27.7	28.7	31.4	35.9	41.1	47.5	37.4	31.8	29.2
2	28.4	25.9	25.0	27.6	28.8	31.6	36.3	41.7	47.6	36.8	31.2	29.2
3	27.6	26.5	24.7	27.7	28.9	31.0	38.0	40.9	47.7	36.7	31.9	29.6
4	27.9	25.9	24.7	27.9	30.6	31.6	37.7	40.1	47.9	36.4	32.1	29.2
5	28.0	26.6	....	27.9	29.6	31.6	37.4	40.7	49.0	35.9	31.8	29.5
6	27.9	26.1	....	28.0	29.6	31.7	36.7	42.1	47.7	35.4	31.1	29.4
7	28.0	26.3	....	28.2	29.3	....	36.8	43.2	44.5	35.6	29.9	29.0
8	28.1	27.1	....	28.2	29.8	31.0	36.9	43.5	43.2	35.7	30.3	29.1
9	27.7	26.9	26.3	27.7	29.5	31.5	37.9	42.0	46.5	35.0	29.5	28.7
10	27.4	26.5	27.6	27.2	29.2	....	38.1	43.9	47.3	34.4	29.1	28.5
11	28.3	26.2	26.8	27.4	28.8	33.2	40.3	43.6	47.7	35.0	30.1	27.4
12	28.1	26.4	26.2	....	27.7	33.4	38.7	44.3	47.7	34.7	30.1	28.1
13	28.4	26.7	26.1	....	28.6	32.6	38.4	45.1	45.7	34.5	30.5	28.3
14	....	26.9	26.5	....	29.8	31.9	38.9	45.5	46.0	33.7	30.7	28.2
15	28.0	26.5	26.4	....	29.8	31.8	38.7	44.3	44.8	33.9	30.6	29.1
16	28.1	26.5	26.2	28.7	29.9	31.9	40.0	44.3	43.1	33.4	30.0	29.3
17	27.3	26.4	26.0	28.9	30.0	32.8	40.6	44.7	43.0	32.8	29.9	27.9
18	27.6	26.2	25.5	28.1	30.5	31.7	41.7	43.9	43.0	32.3	29.6	28.5
19	27.9	....	25.6	28.1	....	33.7	40.0	....	42.7	32.3	29.3	28.4
20	27.3	26.6	25.3	28.3	28.8	33.5	39.5	45.3	43.2	32.4	29.8	28.5
21	27.0	26.4	25.4	28.5	....	33.3	39.1	46.6	43.0	32.9	30.0	28.7
22	27.1	26.0	25.3	29.1	....	33.7	39.4	46.6	43.1	33.2	30.0	29.1
23	26.7	26.7	26.4	29.0	....	....	39.2	46.3	....	32.4	29.8	28.5
24	27.1	27.2	26.1	28.8	....	34.1	42.4	46.3	42.3	32.4	30.1	28.3
25	27.7	26.1	27.3	28.8	....	35.3	39.5	46.1	42.2	32.2	....	27.5
26	27.9	26.4	27.4	28.7	....	35.3	39.7	46.6	42.4	32.1	29.5	28.4
27	27.8	25.6	26.3	29.3	....	35.5	39.8	46.9	39.5	31.7	29.1	27.7
28	28.1	25.5	26.6	28.6	31.2	35.5	39.5	47.2	38.2	31.1	29.2	28.0
29	27.1	25.4	26.8	29.0	31.3	34.8	40.0	47.5	38.2	32.3	29.1	27.9
30	27.5	....	27.6	28.9	32.4	35.8	40.3	47.0	38.2	32.5	28.9	27.5
31	27.4	....	27.4	....	31.7	....	41.9	47.5	....	31.9	....	27.8

Daily lowest water level, below mean sea level, from recorder graph, 1933

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.0	26.1	25.4	24.8	28.1	28.7	36.4	....	....	35.1	29.7	....
2	28.2	26.1	25.1	24.7	27.8	28.4	37.3	....	46.3	34.4	29.7	....
3	27.6	26.6	25.1	24.8	27.7	30.4	35.6	....	47.0	34.1	29.2	....
4	27.3	25.8	25.3	....	....	31.1	36.3	41.8	47.1	33.5	29.5	26.7
5	27.4	26.4	25.8	....	29.3	30.3	36.5	44.1	45.7	33.3	29.3	26.4
6	27.2	26.2	25.9	26.2	....	29.9	36.9	45.4	40.6	32.7	28.7	26.9
7	27.5	26.0	24.8	26.4	....	....	37.4	45.5	44.5	31.9	28.7	....
8	27.6	26.3	25.3	26.7	....	30.5	37.8	45.5	45.5	32.1	29.0	....
9	26.2	27.1	26.0	26.9	28.6	....	38.1	44.1	46.6	32.3	28.9	26.3
10	27.2	27.1	25.9	26.5	28.4	31.8	38.1	....	46.7	32.2	28.7	26.5
11	27.7	26.3	25.9	26.7	28.8	31.9	37.7	43.9	45.1	32.5	28.9	27.4
12	27.3	26.7	25.8	27.2	28.8	31.3	37.1	45.3	42.6	32.1	28.5	27.7
13	27.0	26.9	25.4	27.3	29.0	30.9	36.7	45.7	42.3	31.7	28.2	27.1
14	26.4	26.3	25.4	27.4	28.6	30.6	36.9	44.9	41.2	....	28.7	26.3
15	26.6	26.5	25.5	27.7	28.7	30.7	37.5	44.6	....	....	28.9	27.5
16	26.9	26.6	25.9	27.6	28.3	31.1	37.8	....	....	....	29.2	27.9
17	27.4	26.5	26.2	27.5	29.0	31.5	38.3	....	....	....	29.1	27.5
18	27.5	26.1	25.1	27.6	28.9	32.3	38.1	....	....	....	29.1	28.4
19	26.7	26.1	24.5	26.7	29.5	32.7	....	....	....	....	28.3	27.8
20	27.5	26.0	24.6	26.6	29.2	33.0	39.0	....	....	....	28.5	27.5
21	27.0	26.3	24.6	....	28.9	33.7	39.2	....	....	....	27.9	27.3
22	26.2	26.3	25.5	....	29.1	33.4	....	....	....	....	28.1	28.1
23	26.5	25.6	25.1	27.4	....	34.4	....	....	40.5	....	27.9	27.3
24	26.3	25.9	25.1	28.0	....	35.2	....	....	39.8	....	27.8	27.0
25	26.2	25.4	....	27.4	29.2	35.9	....	....	38.7	....	28.1	25.2
26	24.2	25.7	....	27.9	....	35.1	....	....	36.9	....	27.1	26.8
27	24.8	25.9	24.5	27.7	29.5	35.0	....	....	37.5	....	27.8	....
28	25.3	25.9	24.6	27.6	29.3	35.5	....	....	....	30.3	27.9	27.2
29	26.1	....	23.5	28.0	29.6	35.7	....	....	....	29.9	27.4	....
30	26.4	....	25.3	28.1	30.7	36.2	....	....	36.9	29.9	27.1	27.0
31	25.9	....	24.9	....	30.3	....	....	....	....	29.8	....	27.0

36.22.6.9.1--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1936

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Sept.	Oct.	Nov.	Dec.
1	27.3	27.6	28.4	26.1	29.5	33.1	37.4	....	36.8	32.5	30.1
2	26.6	28.2	28.0	25.4	29.5	33.3	37.2	....	37.2	32.1	28.7
3	26.8	27.3	28.3	26.4	30.1	33.5	38.2	47.1	....	31.9	29.8
4	26.5	27.5	28.3	26.8	29.9	34.4	40.4	47.8	36.5	31.7	29.6
5	26.9	27.9	28.3	26.1	28.7	33.7	42.7	49.2	35.7	31.7	29.7
6	26.7	27.9	28.7	26.3	28.5	35.1	....	50.4	35.6	31.1	29.1
7	26.7	27.5	28.0	26.1	28.5	35.4	....	50.5	35.2	30.4	29.8
8	26.4	27.0	27.9	27.5	28.5	34.4	....	48.5	35.5	30.5	29.0
9	25.7	27.6	27.6	26.9	30.0	34.4	....	46.0	34.5	30.7	28.6
10	....	27.4	27.6	26.3	30.1	34.5	....	45.8	34.2	31.2	28.4
11	....	28.2	26.6	26.3	30.4	34.4	43.3	47.1	34.1	30.9	28.5
12	26.0	28.3	27.1	25.5	30.5	34.9	43.3	46.6	35.1	30.5	28.6
13	26.5	27.9	28.4	26.1	30.3	34.4	40.9	46.1	35.1	30.3	28.4
14	26.6	26.6	27.4	26.1	....	34.2	....	46.9	34.9	30.4	29.4
15	26.1	27.4	27.0	26.5	....	35.2	....	46.2	....	30.6	29.9
16	26.6	27.5	26.8	26.6	31.2	34.6	....	46.4	34.1	30.9	28.8
17	26.7	27.3	26.4	27.5	31.7	34.8	....	45.7	....	30.9	28.3
18	26.0	28.5	25.9	27.9	....	35.3	....	44.4	....	30.9	28.9
19	25.1	28.7	26.1	27.8	30.0	35.3	....	43.9	33.6	30.7	28.1
20	26.2	28.6	25.7	28.5	31.1	36.8	....	44.3	33.6	30.9	29.3
21	26.3	31.6	25.2	27.9	....	36.3	....	44.5	33.3	30.2	30.2
22	25.8	31.9	26.1	29.2	31.2	....	....	41.1	33.2	30.2	29.7
23	27.3	28.8	26.4	29.3	31.9	36.9	....	40.5	32.8	30.5	29.4
24	27.3	28.9	26.2	28.9	31.3	35.5	....	40.3	32.7	30.4	29.7
25	28.1	28.4	26.1	29.3	31.1	36.5	....	40.0	32.4	29.2	29.0
26	....	30.4	26.2	28.9	32.6	37.0	....	40.4	32.9	29.5	28.4
27	27.3	31.3	26.1	29.1	....	37.5	....	41.8	32.8	29.9	28.3
28	27.6	28.9	26.2	29.5	....	37.4	....	42.2	32.8	30.0	28.6
29	27.3	28.8	26.3	30.1	....	37.3	....	39.4	32.0	30.0	28.2
30	26.7	....	26.4	29.0	33.5	36.9	....	38.1	32.5	30.1	27.9
31	27.2	....	26.5	....	33.9	....	....	....	32.3	....	28.1

Daily lowest water level, below mean sea level, from recorder graph, 1937

Day	Jan.	Feb.	Mar.	Apr.	May	June	Sept.	Oct.	Nov.	Dec.
1	28.4	....	....	25.9	28.8	....	....	38.8	32.6	....
2	27.5	....	....	26.0	28.2	31.5	....	37.6	32.6	....
3	27.7	....	....	26.0	28.9	31.6	49.5	....	....	....
4	28.3	25.9	....	25.5	29.3	....	49.8	....	....	....
5	28.4	25.5	....	25.7	29.3	....	51.0	....	31.9	28.7
6	28.2	26.5	....	26.1	29.0	....	49.9	....	32.1	29.2
7	27.7	25.9	26.2	26.4	29.1	....	48.1	36.0	31.8	30.2
8	27.9	26.3	24.9	26.6	29.5	....	49.0	36.0	31.8	30.0
9	28.0	26.3	26.1	26.0	30.9	....	48.9	35.5	....	29.7
10	27.4	25.9	26.0	25.9	29.8	....	48.8	35.6	32.3	29.6
11	27.2	26.8	25.8	26.7	28.0	33.1	48.7	34.8	31.5	29.9
12	....	26.8	26.1	27.6	30.1	....	49.1	35.2	30.9	29.7
13	....	26.8	25.9	28.0	30.7	....	46.4	35.0	....	30.2
14	....	25.8	25.8	28.2	30.3	....	45.2	34.9	....	29.9
15	....	26.8	25.3	28.2	30.1	....	44.3	34.8	....	29.3
16	....	25.5	....	28.1	30.5	....	44.3	34.8	....	29.2
17	....	26.1	....	28.0	31.0	....	45.2	34.3	....	29.2
18	....	26.2	....	28.2	30.4	....	44.7	34.0	31.2	28.8
19	....	24.5	....	28.6	29.9	35.1	44.7	34.2	30.9	29.3
20	....	....	25.8	28.5	29.8	35.7	45.0	33.5	30.9	29.1
21	....	....	....	27.6	....	36.0	42.8	34.2	31.7	29.0
22	....	....	....	27.3	31.3	....	41.7	33.6	31.7	29.0
23	....	....	26.4	28.0	31.4	....	42.4	33.3	31.7	29.3
24	....	....	25.2	27.9	31.3	....	....	33.5	31.8	28.3
25	....	....	25.2	28.2	30.5	....	43.0	33.5	31.8	28.4
26	....	....	26.2	27.1	31.7	....	41.9	33.1	....	29.0
27	....	....	26.1	28.4	30.5	....	....	34.6	....	28.9
28	....	....	26.7	28.4	31.1	....	....	32.8	....	27.8
29	....	....	25.9	28.4	31.4	....	....	31.7	....	28.2
30	....	....	26.1	28.2	33.0	....	38.9	33.2	....	27.9
31	....	....	25.9	....	34.2	....	....	33.2	....	28.1

36.22.6.9.1--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1938

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.3	27.3	26.3	24.6	29.5	31.1	....	....	47.6	34.8	30.0	29.2
2	28.1	26.9	26.1	25.2	29.7	30.7	38.5	....	46.5	34.6	29.9	28.9
3	28.2	26.7	25.3	25.6	29.5	30.6	....	....	47.7	33.3	30.0	28.2
4	28.0	26.9	24.9	26.9	29.1	31.0	....	42.8	48.3	33.5	....	28.0
5	28.3	26.8	25.7	26.9	29.7	30.6	....	....	48.3	33.6	29.5	27.7
6	28.3	26.7	25.7	26.9	29.5	31.0	40.9	46.5	48.4	32.9	29.6	28.1
7	27.7	27.1	26.1	26.7	29.9	31.0	37.8	46.5	45.7	32.5	29.5	28.7
8	28.6	27.0	25.9	26.4	30.1	30.3	40.8	....	45.9	32.9	29.7	28.0
9	28.7	26.7	25.9	27.0	30.1	....	40.9	....	45.4	32.4	....	27.9
10	28.5	27.2	25.3	27.2	29.8	....	41.4	....	44.7	32.7	29.5	28.9
11	28.2	27.0	25.3	27.5	29.6	32.6	41.7	....	45.3	33.2	29.7	28.8
12	27.6	26.0	25.4	27.4	....	32.9	40.5	....	44.7	32.5	29.6	27.8
13	27.1	25.4	24.6	27.4	30.3	....	41.6	46.0	43.5	32.9	29.3	28.4
14	26.7	25.8	24.6	28.0	29.8	31.4	42.4	46.7	....	....	30.2	28.3
15	26.8	26.3	24.5	27.6	30.1	....	40.9	47.0	42.9	32.2	30.2	27.2
16	26.9	26.1	25.1	27.7	29.7	....	43.1	48.3	41.8	32.2	29.4	27.4
17	27.1	26.0	24.8	28.5	30.4	....	43.9	47.3	41.8	32.1	29.3	27.0
18	26.8	25.9	24.3	27.8	29.7	33.2	41.9	47.0	40.4	32.0	29.4	26.8
19	27.4	25.2	....	27.8	30.0	....	....	46.5	39.4	31.9	28.2	26.9
20	27.5	24.8	24.8	27.8	29.8	....	....	48.8	38.8	31.2	28.6	26.3
21	27.3	25.3	25.0	27.7	30.2	....	40.4	48.9	38.3	....	29.3	26.4
22	26.7	25.8	25.1	28.5	30.3	....	....	48.9	37.7	31.0	29.4	26.7
23	27.0	25.5	24.9	27.7	30.5	34.6	42.2	47.4	38.0	31.2	28.7	26.2
24	26.4	25.2	25.3	27.7	....	35.0	42.0	47.1	37.7	30.6	28.1	26.4
25	26.7	25.1	24.9	28.0	30.2	....	....	47.5	38.2	....	....	27.0
26	27.2	24.6	25.1	28.0	29.9	35.3	....	47.5	39.9	30.8	28.5	26.5
27	27.4	24.8	25.2	29.0	30.7	35.1	....	47.4	37.8	....	28.2	26.4
28	26.7	25.8	24.5	29.0	30.9	34.2	....	49.8	37.2	....	29.5	27.6
29	26.7	....	24.7	28.3	31.8	....	....	50.4	36.4	29.4	30.0	26.7
30	26.7	....	25.0	29.0	32.1	....	....	50.4	34.2	29.5	28.7	26.7
31	26.7	....	24.7	....	32.0	....	41.4	49.3	....	....	....	26.6

Daily lowest water level, below mean sea level, from recorder graph, 1939

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.0	24.8	24.8	23.4	26.2	30.0	38.8	....	48.0	36.3	....	....
2	26.2	24.9	....	23.8	26.0	30.0	....	47.0	50.7	36.7	....	....
3	25.6	24.8	....	24.0	26.4	31.1	41.4	46.9	50.9	36.9	....	....
4	25.7	25.1	24.4	24.3	....	31.1	42.4	....	51.3	35.4	30.5	....
5	26.3	25.3	24.3	24.5	....	31.1	40.7	....	....	35.4	29.5	....
6	26.2	25.1	24.1	24.0	28.5	31.1	40.7	....	47.7	34.9	32.6	....
7	26.4	25.1	....	....	27.4	31.0	....	....	47.1	34.8	32.1	....
8	26.6	25.2	....	24.9	28.1	31.4	42.8	....	46.9	34.8	....	....
9	26.3	25.2	....	24.1	27.7	32.1	42.8	....	49.0	34.2	31.3	....
10	26.1	24.5	....	24.6	....	32.9	42.7	....	46.2	35.0	30.9	....
11	26.6	25.5	23.8	25.6	....	....	43.2	....	46.0	....	....	....
12	25.8	25.3	22.8	26.1	....	....	43.1	50.9	....	....	....	28.1
13	25.3	25.1	....	26.4	28.3	....	43.2	50.9	....	....	....	28.0
14	25.4	24.0	....	26.0	28.1	....	42.9	50.8	44.2	34.3	....	28.5
15	25.4	24.1	....	26.3	28.4	....	45.2	50.1	44.7	34.0	....	28.3
16	25.3	25.1	23.4	26.6	28.2	....	45.6	....	44.2	33.8	....	28.2
17	25.1	24.8	23.8	25.9	28.3	33.3	....	....	....	33.7	....	27.9
18	24.8	25.1	24.1	25.7	....	34.6	45.4	....	....	33.5	30.3	28.1
19	24.7	24.6	23.8	25.7	....	32.9	....	49.2	....	33.2	29.9	27.3
20	25.1	24.9	24.2	25.8	29.7	32.9	....	....	....	33.2	28.8	....
21	25.3	24.7	24.1	26.3	29.1	....	45.2	....	38.7	31.8	....	....
22	26.1	24.9	24.1	26.4	29.6	....	45.5	....	38.0	32.6	....	....
23	26.2	25.1	24.1	27.3	....	....	45.9	50.9	40.8	32.3	....	....
24	25.4	25.2	24.0	26.6	....	35.8	45.8	50.9	40.6	31.4	....	....
25	26.7	24.8	23.7	26.5	29.7	36.2	45.6	49.2	39.0	31.3	....	....
26	26.3	24.8	23.7	26.1	29.9	36.4	45.6	50.1	37.9	31.5	....	....
27	25.8	25.2	24.0	25.8	29.7	36.6	45.6	50.5	37.4	31.2	....	....
28	25.8	24.6	23.6	25.9	29.8	36.9	....	49.2	37.4	31.3	....	....
29	25.6	....	23.9	26.3	30.1	37.3	46.5	47.7	37.3	31.0	....	....
30	24.6	....	23.5	26.1	29.7	36.3	47.7	46.3	36.2	30.7	....	....
31	24.8	....	23.9	....	....	....	47.8	47.3	....	....	....	26.0

36.22.6.9.1--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.1	26.4	25.2	25.7	....	31.2	36.5	43.3	....	31.8	28.3	26.6
2	27.0	26.5	25.2	25.7	27.7	30.0	34.9	43.4	....	31.4	28.3	26.9
3	27.8	26.5	24.2	....	28.2	29.8	35.2	43.6	....	31.4	28.0	28.0
4	26.6	26.3	25.7	26.4	28.7	30.0	....	43.2	....	31.5	28.7	27.6
5	27.3	26.1	25.4	26.7	28.3	....	....	42.9	....	31.4	28.6	27.6
6	27.7	26.0	25.3	26.7	28.6	31.2	....	42.6	....	31.5	28.4	27.4
7	28.4	24.5	26.3	26.6	....	31.1	....	43.0	....	31.2	28.7	27.6
8	27.6	26.0	25.7	26.7	....	31.2	....	43.4	....	31.3	28.4	27.4
9	27.6	26.0	25.4	26.3	28.2	30.7	....	42.9	....	31.2	28.5	27.1
10	27.8	25.5	24.9	25.7	28.6	30.8	....	42.7	....	31.2	28.3	27.5
11	28.2	25.1	24.6	25.9	28.8	31.0	....	42.8	....	30.6	28.8	27.3
12	27.7	25.3	....	26.9	28.8	....	....	42.8	38.5	30.1	28.5	....
13	27.4	26.1	24.2	27.3	28.7	32.0	....	43.1	38.5	30.1	29.0	27.0
14	27.4	26.8	24.6	27.1	28.6	32.4	....	43.0	37.5	30.4	29.2	27.3
15	....	26.4	24.7	27.2	28.9	31.8	....	43.7	37.1	....	28.2	26.5
16	....	25.8	24.9	27.2	29.6	31.6	....	44.3	....	....	28.2	25.8
17	27.8	26.0	24.8	26.7	29.4	32.1	....	44.3	....	29.2	27.7	26.0
18	28.0	....	24.5	26.8	29.5	31.5	....	44.0	34.4	28.8	30.4	26.6
19	27.4	....	25.3	26.7	29.1	32.9	....	....	35.3	28.9	27.9	26.8
20	27.0	....	25.3	26.7	29.0	33.8	....	....	34.8	29.5	27.9	27.0
21	27.2	26.5	24.7	26.7	28.7	33.7	42.3	44.4	34.3	29.0	27.6	27.5
22	....	26.0	24.9	26.7	29.2	34.4	42.6	44.4	33.6	29.4	27.6	26.8
23	....	25.1	24.8	26.8	28.6	34.1	43.2	43.6	33.7	29.1	27.9	27.6
24	27.0	24.9	24.5	26.8	29.3	34.5	41.0	42.9	33.4	29.4	27.1	26.9
25	25.8	24.3	24.4	27.1	29.6	34.6	42.2	43.2	33.4	28.7	27.3	26.7
26	25.1	24.7	24.4	27.4	29.3	35.1	42.9	41.4	33.3	28.7	27.2	26.7
27	25.6	25.6	24.0	27.6	29.8	35.5	42.0	43.7	32.9	29.4	....	26.3
28	25.2	25.5	24.3	28.1	29.5	35.2	38.6	43.6	33.0	29.4	27.9	25.4
29	....	....	23.5	28.0	31.3	36.3	....	....	32.4	29.3	27.2	....
30	....	....	24.7	28.2	32.1	36.0	....	....	32.1	29.0	27.2	....
31	25.5	....	24.8	....	32.8	....	....	....	....	28.7	....	....

Daily lowest water level, below mean sea level, from recorder graph, 1943

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	25.2	24.5	24.7	25.6	30.3	....	44.6	46.3	....	....	27.2
2	26.0	26.1	24.8	24.8	26.3	30.0	....	46.5	46.4	33.4	....	27.2
3	26.2	26.0	24.5	25.4	27.0	29.6	....	45.4	44.7	32.9	....	26.8
4	26.5	....	25.9	25.7	27.3	....	....	45.4	45.9	32.8	....	26.3
5	26.8	....	....	25.7	26.8	31.6	....	45.2	46.6	32.7	....	26.3
6	27.2	25.1	25.4	26.0	27.3	31.6	....	46.3	46.4	32.9	28.6	26.2
7	26.9	26.2	26.3	25.8	27.3	32.0	....	47.2	44.9	32.9	28.8	26.5
8	26.6	26.7	26.5	25.5	27.6	31.8	....	46.9	42.2	....	28.1	26.3
9	26.4	26.0	26.2	25.5	27.9	31.0	....	47.0	43.6	28.4	28.7	26.5
10	25.6	25.6	....	25.1	27.9	30.6	40.2	46.4	43.1	29.2	29.3	....
11	26.2	26.0	....	25.1	27.6	30.1	40.2	45.1	44.5	....	28.9	27.4
12	25.4	25.3	....	24.5	27.6	32.5	41.1	45.3	44.4	....	28.8	26.7
13	25.3	25.0	24.7	24.5	....	32.7	....	45.1	43.7	....	29.0	26.9
14	25.3	24.9	25.1	25.1	....	32.3	39.2	45.5	43.7	....	29.1	26.5
15	25.3	26.1	25.1	25.1	28.5	33.3	40.7	45.9	42.1	....	28.5	26.5
16	25.5	25.7	25.0	25.1	28.6	34.0	41.7	47.8	42.2	....	28.4	26.3
17	25.3	25.7	25.4	25.3	....	34.7	42.4	46.0	....	....	28.1	26.7
18	25.2	....	25.3	25.3	....	34.9	42.4	46.5	41.2	....	27.8	26.6
19	25.5	....	....	24.5	....	35.3	42.7	46.9	40.6	....	27.2	26.6
20	26.9	26.0	25.2	25.5	....	35.2	....	46.1	39.7	....	27.0	27.4
21	26.8	25.9	25.5	25.1	....	35.7	43.1	48.4	37.9	....	26.9	27.3
22	26.1	25.7	25.1	25.5	28.7	36.1	40.7	48.5	....	....	27.5	26.4
23	25.5	25.7	25.5	25.6	28.6	36.2	43.2	48.1	....	....	27.4	25.9
24	25.7	25.8	25.8	25.7	29.2	36.4	43.4	48.0	....	....	27.1	....
25	25.6	25.7	25.7	25.6	28.9	36.5	43.4	46.9	35.8	....	27.5	26.3
26	25.8	....	25.3	25.7	28.8	....	42.7	....	36.3	....	27.9	26.3
27	25.8	24.8	25.1	25.8	29.4	....	40.8	....	36.1	....	27.4	26.0
28	....	25.0	24.7	25.9	....	....	....	....	36.3	....	27.6	26.3
29	....	....	24.6	25.5	29.7	....	....	....	46.3	34.8	....	26.0
30	24.8	....	....	25.2	30.0	....	....	46.4	....	....	26.7	26.0
31	24.8	....	....	....	30.6	....	46.0	46.5	....	....	....	25.9

36. 22. 6. 9. 1--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.8	24.8	....	23.4	26.6	30.7	40.1	....	....	37.4	....	....
2	26.0	25.2	....	23.2	26.6	30.6	42.2	....	51.7	37.5	....	30.0
3	24.5	24.3	....	23.3	26.6	30.9	....	....	52.7	36.5	....	29.3
4	23.3	24.2	23.1	23.0	26.4	31.9	....	....	52.7	36.4	....	28.7
5	23.7	24.5	23.4	23.4	26.7	31.6	....	....	....	35.8	....	28.5
6	24.7	24.6	23.8	23.4	26.7	32.7	....	....	52.3	35.1	....	28.5
7	25.7	24.4	23.5	24.1	27.1	33.0	....	....	....	35.0	....	28.4
8	25.2	24.4	23.9	24.4	27.8	33.6	....	....	....	34.5	....	28.1
9	25.4	24.4	24.6	24.1	28.0	....	....	....	51.7	34.7	....	28.9
10	25.8	24.6	24.5	24.7	27.8	34.2	....	....	50.3	33.9	....	29.0
11	25.5	23.7	24.1	25.4	27.9	34.5	....	....	48.9	33.6	....	28.5
12	25.6	24.3	24.1	24.7	27.7	34.3	....	....	46.9	....	....	28.6
13	26.0	24.6	23.9	25.6	27.6	34.5	42.1	....	45.8	33.6	....	29.4
14	25.7	24.2	24.0	26.0	27.9	34.6	....	....	46.1	....	....	29.1
15	24.9	25.3	23.8	25.6	28.9	....	....	....	48.8	....	....	28.7
16	24.2	25.0	23.7	25.6	27.7	....	....	50.6	49.7	....	....	28.9
17	24.5	....	22.8	25.6	27.1	36.2	....	50.5	49.0	....	....	29.0
18	24.8	....	23.5	25.7	27.4	36.8	....	....	46.1	....	29.0	28.6
19	24.1	24.3	23.1	26.2	27.8	36.5	....	51.3	44.9	....	29.8	28.3
20	24.2	24.2	22.2	26.4	28.1	35.9	....	51.9	42.4	....	28.9	28.6
21	24.6	24.3	23.3	26.4	29.2	36.0	....	52.5	42.8	....	28.9	28.7
22	24.9	24.5	24.1	26.2	28.9	37.4	....	51.9	....	....	28.9	28.2
23	25.0	24.5	23.6	26.6	28.4	....	....	....	43.6	....	28.6	28.7
24	25.4	24.3	23.9	26.4	27.6	35.9	....	....	43.4	....	28.5	27.9
25	25.4	24.3	23.9	26.4	29.7	35.8	....	....	39.9	....	28.8	27.8
26	25.5	....	24.1	26.4	30.0	36.5	....	52.6	41.7	....	29.1	28.2
27	....	....	23.7	26.0	30.7	36.6	....	52.9	41.0	....	29.1	28.5
28	....	....	24.3	26.1	31.3	37.9	....	52.9	39.1	....	29.3	29.2
29	24.2	....	23.3	26.5	31.5	....	....	51.9	38.3	....	29.0	28.7
30	24.0	....	23.2	26.5	31.8	....	....	....	37.3	....	....	28.2
31	23.4	....	23.5	....	31.3	....	....	....	....	....	....	27.7

Daily lowest water level, below mean sea level, from recorder graph, 1945

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	26.6	....	26.2	26.9	29.4	33.2	....	46.1	52.4	38.5
2	28.7	....	26.2	26.3	29.2	33.0	....	48.4	52.7	38.0
3	28.1	....	26.1	26.5	28.8	33.4	....	47.9	51.9	38.5
4	28.6	....	26.9	26.0	....	32.9	....	49.3	49.8	37.3
5	28.6	....	26.3	27.5	29.0	33.0	....	48.7	48.0	36.8
6	27.3	....	25.7	28.4	29.3	32.4	....	47.1	48.0	36.6
7	26.3	....	25.7	28.4	29.4	32.7	....	48.5	....	36.1
8	26.3	....	....	28.6	29.6	33.6	....	48.4	51.8	35.9
9	26.5	....	....	28.9	29.8	34.2	....	48.5	52.2	35.5
10	27.1	....	25.7	28.8	29.7	35.3	....	49.6	....	35.0
11	27.3	....	25.6	29.4	30.3	35.0	....	50.2	....	35.2
12	27.5	....	26.1	29.3	30.1	35.5	....	50.7	....	34.9
13	27.4	....	26.1	29.3	30.3	35.8	....	51.0	....	34.8
14	26.7	....	26.4	29.0	30.5	34.4	....	50.9	....	34.8
15	27.3	....	26.2	29.1	30.3	36.2	....	50.4	50.0	34.5
16	26.9	....	26.3	29.1	30.2	36.7	....	49.1	49.6	....
17	27.6	....	26.2	28.8	30.1	37.4	....	....	....	....
18	27.4	....	26.4	28.8	30.0	38.7	....	51.1	43.2	34.6
19	27.3	....	26.3	29.0	29.7	38.7	....	51.1	....	33.8
20	26.9	....	26.2	29.2	29.7	37.1	....	51.0	....	34.0
21	26.6	....	25.3	29.1	29.9	38.1	....	50.2	43.6	34.1
22	26.9	....	25.3	29.4	30.2	37.6	....	50.3	45.2	34.0
23	26.9	....	....	29.4	30.5	39.8	....	....	45.3	....
24	27.1	....	25.6	29.2	30.5	40.3	....	49.1	42.7	....
25	27.3	....	25.6	29.0	31.8	41.9	48.3	50.6	41.7	....
26	....	....	25.7	29.3	32.3	....	49.0	51.8	40.5	....
27	....	....	26.0	29.3	32.3	....	48.8	51.7	40.3	....
28	....	26.8	26.0	29.7	31.3	42.7	49.3	50.3	40.7	....
29	27.4	....	25.9	29.3	....	42.8	49.9	51.8	41.0	....
30	....	....	26.6	29.3	....	44.9	48.0	51.9	39.3	....
31	....	....	26.2	....	33.1	....	47.0	51.9	....	....

36. 22. 6. 9. 1--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1946

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.6	28.5	30.7	....	43.8	....	54.6	42.1	....	32.8
2	26.3	28.5	....	....	42.3	....	54.8	42.2	....	32.9
3	27.0	....	....	....	43.5	....	52.5	41.6	....	32.9
4	29.0	....	27.1	28.3	30.7	....	46.4	....	49.9	41.4	....	33.2
5	28.7	....	27.0	....	....	....	....	....	49.0	40.3	....	33.3
6	28.7	....	27.0	29.0	....	....	....	....	49.2	40.3	....	33.4
7	27.5	27.7	27.0	28.9	....	34.2	....	51.7	49.8	39.7	....	....
8	26.8	28.6	....	34.9	....	....	50.8	38.8	....	32.2
9	27.0	....	....	....	35.5	....	....	49.9	....	....	32.0
10	26.3	....	....	....	36.2	....	....	49.9	....	....	32.0
11	26.2	....	....	31.2	35.5	....	....	50.1	....	....	31.7
12	26.7	....	....	31.3	35.6	....	....	50.5	....	....	32.2
13	26.7	....	28.8	31.1	35.4	....	....	....	....	....	....
14	26.6	....	29.5	31.2	33.1	....	....	....	....	....	....
15	30.7	35.3	....	....	52.0	....	34.0	32.0
16	27.6	....	30.1	30.9	37.7	....	....	49.2	39.9	34.1	31.6
17	27.0	26.2	29.8	30.6	37.5	....	....	49.8	....	....	31.5
18	27.1	25.6	30.2	31.0	36.8	....	....	49.3	....	....	31.0
19	26.6	....	30.2	....	36.7	....	....	48.6	....	....	31.2
20	29.0	26.7	....	30.3	31.4	36.3	....	....	48.8	39.5	....	....
21	28.1	27.7	26.2	30.5	....	36.6	....	53.7	47.3	39.1	....	....
22	26.9	26.0	30.2	....	38.8	....	53.4	47.4	38.7	....	31.7
23	26.2	26.1	30.0	....	40.2	....	52.8	48.1	38.8	33.4	31.3
24	25.6	26.2	30.4	....	40.2	....	54.8	46.4	....	32.8	31.1
25	25.8	26.2	30.6	33.1	40.3	50.2	54.7	45.3	....	32.9	31.9
26	26.0	26.4	29.6	33.1	39.9	49.9	55.2	45.1	....	....	31.6
27	26.2	26.5	30.6	32.8	40.8	51.7	53.8	....	....	....	....
28	26.4	26.5	31.0	31.1	41.6	52.8	53.8	46.2	....	32.7	....
29	27.3	31.0	....	45.0	53.4	....	45.6	....	33.2	31.0
30	27.3	30.9	....	43.2	53.2	....	43.9	....	32.8	31.4
31	27.7	....	....	....	53.4	54.1	....	....	....	....

Daily lowest water level, below mean sea level, from recorder graph, 1947

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	28.8	....	....	37.4	....	....	....	42.7	....	32.0
2	....	29.4	....	....	....	....	....	....	55.7	41.2	36.4	32.3
3	....	29.7	....	....	....	....	....	....	54.0	40.9	35.6	32.3
4	....	29.5	....	....	....	....	....	....	55.9	42.3	35.8	32.2
5	....	30.1	....	....	....	....	....	56.1	53.5	39.6	35.5	....
6	....	29.4	....	....	....	....	....	56.2	....	40.8	....	....
7	31.0	....	....	....	....	....	....	56.2	....	....	....	....
8	31.4	....	....	31.2	....	....	....	....	....	38.9	....	....
9	31.3	....	....	....	....	....	....	....	51.4	39.0	36.1	33.8
10	31.1	....	....	....	....	....	51.7	....	51.8	40.8	....	32.9
11	30.9	30.9	....	....	32.6	....	52.5	....	52.1	40.5	....	32.6
12	30.5	30.2	....	31.3	32.6	38.3	52.9	....	52.1	40.4	....	32.8
13	30.1	30.2	....	31.3	32.1	38.3	53.6	57.4	....	39.5	35.7	32.8
14	....	29.6	....	31.1	31.7	37.5	53.6	57.5	....	38.4	35.1	....
15	....	....	28.5	31.1	31.5	37.7	53.0	57.5	....	38.2	35.1	....
16	....	....	....	31.8	....	38.1	53.3	....	....	38.0	35.0	....
17	....	....	....	....	32.9	38.1	53.8	....	49.9	37.7	35.4	33.4
18	29.9	27.6	....	....	33.1	38.6	53.6	....	49.8	39.0	34.9	33.7
19	29.7	28.1	....	....	33.5	38.6	53.4	57.2	52.3	37.3	34.4	32.9
20	....	29.0	28.1	....	....	38.5	54.0	57.9	51.4	38.2	34.5	33.0
21	....	28.0	27.8	....	....	39.7	54.1	55.5	51.2	38.0	34.5	32.6
22	30.2	29.7	....	....	....	41.2	52.5	58.1	49.3	38.2	....	32.7
23	30.9	....	....	....	....	44.0	54.0	....	47.8	38.1	....	....
24	29.1	29.5	....	....	35.0	43.3	....	....	....	37.8	....	....
25	29.9	29.7	....	....	....	43.9	....	....	....	....	....	....
26	29.5	29.6	29.5	....	....	43.8	....	....	45.0	37.8	....	....
27	29.8	29.8	29.1	32.3	....	....	54.8	55.1	44.6	37.9	....	....
28	....	27.7	28.5	32.1	....	....	54.6	52.6	43.9	....	....	....
29	....	....	28.8	32.2	....	....	52.9	54.7	44.0	....	....	....
30	....	....	29.0	32.2	35.3	....	....	55.1	42.9	....	32.2	....
31	....	....	....	....	36.4	....	....	55.9	....	....	....	....

36. 22. 6. 9. 1--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1948

Day	Jan.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.4	....	....	44.0	38.1	....
2	42.1	....	....	44.2	37.6	....
3	32.4	....	47.6	....	....	43.6	36.8	....
4	48.3	....	57.1	41.8	36.7	33.4
5	32.7	36.5	48.9	49.6	58.1	....	37.1	33.8
6	37.3	48.7	....	58.6	....	36.9	33.8
7	37.2	43.9	....	56.8	....	35.5	35.1
8	37.1	48.0	....	56.1	....	35.4	34.5
9	36.8	49.4	....	56.7	....	35.4	34.2
10	37.1	50.4	....	54.9	....	35.4	34.4
11	37.7	51.3	....	....	....	35.4	34.1
12	38.2	51.2	....	....	....	35.4	33.9
13	33.7	38.8	51.3	....	....	....	....	33.6
14	33.7	38.5	49.9	53.5	....	....	....	33.9
15	37.9	47.6	53.4	50.9	....	....	33.2
16	37.8	48.9	53.1	50.6	....	....	32.9
17	38.1	49.2	52.7	49.6	....	....	33.2
18	38.5	49.4	53.0	50.4	....	....	33.5
19	38.7	50.4	53.6	50.9	....	....	32.8
20	39.0	50.0	51.8	49.1	....	35.7	32.9
21	39.7	52.3	....	48.1	39.9	35.3	33.7
22	39.6	....	....	48.2	38.7	35.1	33.6
23	35.3	39.3	....	....	48.3	38.4	34.4	33.9
24	39.7	....	....	46.9	37.7	35.6	33.6
25	32.8	35.3	39.8	53.1	....	46.5	37.2	35.6	33.5
26	32.7	34.8	40.5	53.5	....	47.2	37.4	35.2	33.4
27	32.6	34.8	41.0	53.4	....	46.8	37.8	35.1	34.2
28	40.9	53.6	....	45.9	38.1	....	34.2
29	32.0	....	....	40.9	53.6	....	45.1	38.3	....	34.2
30	41.4	53.5	....	44.6	38.4	....	32.8
31	38.1	....	32.7

Daily lowest water level, below mean sea level, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.9	....	29.9	29.3	31.4	33.6	47.5	....	55.0	....	39.1	36.5
2	33.3	....	29.5	29.3	31.7	34.0	51.9	....	54.9	45.0	39.2	36.4
3	33.1	....	....	29.1	31.5	34.3	52.1	....	56.8	44.2	38.7	37.1
4	32.7	....	....	29.4	31.1	37.2	55.6	....	57.4	....	39.0	36.6
5	32.8	30.4	29.4	29.1	32.3	34.8	....	....	57.7	....	39.3	36.3
6	....	30.5	29.6	29.6	32.7	34.7	....	....	56.4	....	39.0	37.0
7	....	30.6	29.2	29.7	32.6	34.4	....	....	54.0	....	39.0	36.6
8	32.6	31.2	29.3	29.7	32.9	36.2	....	....	53.6	....	38.7	36.6
9	32.2	30.9	29.4	30.1	33.2	35.9	....	....	54.0	....	38.6	36.8
10	32.6	29.9	28.9	30.5	33.2	37.0	....	....	54.9	....	38.5	36.6
11	32.3	30.3	29.1	30.1	32.9	38.3	....	....	54.2	....	38.3	35.8
12	32.1	30.4	29.9	30.4	32.8	40.2	....	....	53.3	....	38.0	36.3
13	32.1	31.1	30.7	30.3	33.1	40.4	48.5	....	50.4	....	38.1	36.1
14	32.0	30.8	30.0	30.1	33.6	40.8	50.2	56.9	49.3	....	38.1	35.6
15	31.6	30.8	29.8	30.1	33.6	....	51.5	57.0	50.3	....	37.8	35.2
16	31.5	30.7	30.6	30.6	33.4	....	53.7	56.4	49.9	41.4	37.4	35.3
17	31.7	31.3	30.6	31.0	33.7	....	54.8	58.4	51.4	41.5	37.3	35.3
18	31.5	30.9	....	30.9	33.7	....	54.9	57.5	51.3	41.1	37.7	35.3
19	31.8	31.0	30.5	30.4	33.8	....	55.0	56.9	49.5	41.0	37.8	35.3
20	31.8	30.4	30.7	31.1	34.1	....	54.8	59.5	51.3	41.1	37.9	34.9
21	31.5	30.2	30.5	31.2	33.3	....	54.9	61.5	51.5	41.1	37.6	35.1
22	32.3	30.0	30.2	31.1	33.6	44.3	....	59.9	50.4	40.8	37.8	....
23	32.0	30.2	29.7	30.6	34.0	43.8	56.8	59.6	50.0	41.2	37.9	....
24	31.9	29.7	29.8	30.7	33.8	44.1	57.8	58.4	49.8	41.2	37.7	35.4
25	31.4	29.3	29.7	30.7	33.9	44.9	57.5	58.4	49.8	40.6	37.2	35.0
26	31.0	29.8	29.6	31.1	34.2	46.8	57.2	58.4	48.0	40.6	37.4	34.7
27	31.0	29.3	29.6	31.0	34.6	48.5	57.1	61.0	47.2	41.0	37.4	35.0
28	30.9	28.7	29.6	31.1	34.8	46.6	58.5	61.1	46.4	40.7	37.0	35.3
29	....	....	29.3	31.3	35.7	46.0	57.9	57.2	45.1	40.3	36.0	34.9
30	....	....	29.4	31.5	37.6	46.1	61.1	56.8	44.3	39.9	36.1	34.4
31	....	....	28.7	....	36.0	....	....	56.1	....	39.5	....	....

36.22.6.9.1--Continued.

Daily lowest water level, below mean sea level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.5	....	31.9	32.0	33.0	36.5	49.4	53.3	58.0	44.4	39.9	38.0
2	34.4	....	33.0	32.1	33.1	38.7	50.6	51.1	59.1	44.4	39.9	38.0
3	34.4	33.3	33.4	32.4	32.8	39.0	50.6	51.1	58.0	44.1	39.9	37.8
4	34.8	33.5	33.2	32.4	33.0	39.1	50.6	50.2	58.3	43.9	39.5	37.4
5	35.0	33.5	33.1	32.5	33.0	38.3	....	55.9	55.0	43.8	39.4	37.8
6	34.4	....	33.2	32.4	32.9	38.5	....	53.0	53.9	43.3	40.4	37.4
7	35.0	....	32.9	31.8	33.5	39.3	....	53.6	54.1	43.2	40.2	36.6
8	34.7	32.9	....	31.6	33.8	40.4	51.4	51.4	54.7	42.8	39.7	36.5
9	34.7	32.3	33.5	32.5	33.8	41.0	51.0	54.5	53.3	42.7	39.1	36.9
10	34.1	31.9	33.5	33.1	33.2	41.4	48.2	55.1	52.9	42.6	39.3	36.8
11	35.0	32.6	32.7	32.7	33.6	41.8	47.6	55.4	52.2	42.6	39.4	36.6
12	34.5	32.1	31.6	32.6	33.2	....	....	55.6	50.5	42.4	39.1	36.9
13	33.5	31.8	32.0	31.9	33.4	....	....	56.8	50.6	43.0	39.2	37.2
14	....	32.3	31.7	32.6	33.7	....	....	58.2	51.8	42.7	39.4	37.3
15	34.3	31.4	32.1	32.7	33.5	....	51.5	57.6	....	42.1	39.3	36.9
16	33.7	32.1	31.9	32.8	33.7	....	50.1	57.9	54.0	42.0	39.1	36.6
17	34.5	32.4	31.7	32.9	34.4	39.7	51.7	58.6	51.8	42.3	38.7	36.8
18	34.0	32.5	32.7	33.0	34.0	41.4	50.3	59.8	53.9	42.1	38.7	36.9
19	33.8	32.9	32.6	32.7	33.5	40.2	50.4	59.0	52.3	41.5	38.7	36.8
20	34.0	33.5	30.3	32.5	34.2	39.8	53.1	57.0	53.5	41.4	38.1	36.5
21	33.8	33.1	31.6	32.6	34.5	41.7	....	56.0	51.6	41.2	38.6	36.4
22	33.7	32.4	31.6	32.9	35.3	41.9	54.8	54.9	51.5	41.1	38.7	36.9
23	33.6	32.6	31.8	32.6	35.5	42.1	54.8	54.8	48.5	41.2	38.2	36.3
24	33.4	33.0	31.9	32.9	36.0	43.3	53.5	55.3	48.5	40.3	37.7	35.9
25	33.4	33.4	32.0	32.8	35.5	43.3	54.2	56.8	47.9	39.9	37.4	36.7
26	33.7	33.1	32.3	32.5	35.9	43.1	53.2	59.4	46.8	40.5	37.7	36.0
27	33.4	32.7	31.7	33.0	38.2	43.9	51.8	59.4	46.4	40.5	37.4	36.3
28	32.7	32.0	31.7	32.5	38.5	44.4	53.5	59.6	45.5	40.2	37.6	36.3
29	32.5	....	31.9	33.0	38.5	45.0	55.2	58.6	46.8	40.2	38.2	36.0
30	....	....	32.0	32.8	38.8	44.4	56.2	62.9	45.0	40.1	38.0	36.1
31	....	....	32.0	....	38.4	....	56.1	63.0	....	40.0	....	36.1

Essex County

Canoe Brook area

25.15.7.5.4. Commonwealth Water Co. Canoe Brook Station well 30. Highest water level 162.8 above msl, Aug. 25, 1931; lowest 109.0 above msl, Sept. 23, 1949. Records available: 1925-50.

Daily lowest water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	116.3	126.0	....	136.2	123.8	123.3	117.4	118.7	119.1	118.7	114.3	126.7
2	116.9	125.9	....	135.9	123.2	123.2	117.5	119.1	118.9	118.6	113.5	126.1
3	130.3	134.4	....	135.8	122.8	123.0	118.2	121.1	118.9	118.5	113.4	125.0
4	....	130.5	....	135.3	122.5	123.4	120.3	121.2	122.2	118.1	113.5	125.0
5	....	128.8	....	135.1	117.9	123.6	120.0	121.5	120.1	118.1	114.2	120.3
6	126.2	128.5	135.3	135.3	120.8	123.7	120.3	123.0	119.1	118.1	118.1	....
7	123.8	124.7	135.2	135.3	122.7	123.6	....	121.0	119.0	118.1	115.5	118.5
8	122.8	....	135.2	135.3	122.9	123.5	118.6	120.3	....	118.4	115.0	119.1
9	122.7	....	....	135.9	122.7	123.3	118.5	119.5	....	116.8	115.0	119.6
10	....	127.5	147.4	135.5	121.0	123.4	121.0	118.7	118.9	115.4	114.7	119.6
11	....	126.8	....	135.8	118.1	123.4	120.9	118.6	120.0	115.1	114.6	123.6
12	....	127.6	136.6	136.6	121.3	123.5	120.5	118.8	120.4	114.9	114.8	....
13	129.0	128.3	136.6	136.5	122.5	123.1	118.6	122.2	120.0	114.8	115.3	....
14	133.8	128.2	....	136.3	122.7	123.1	118.0	121.8	121.0	114.6	114.8	....
15	133.5	128.8	....	133.9	123.0	123.2	118.8	120.4	120.2	114.4	114.5	....
16	129.8	....	....	132.9	122.9	123.4	....	119.4	119.2	115.1	114.5	124.3
17	129.1	....	135.9	132.7	122.9	123.1	120.0	119.0	119.4	114.5	114.4	125.1
18	128.7	....	135.4	132.0	122.8	122.9	118.9	....	120.2	....	114.4	125.1
19	128.2	....	135.3	....	....	123.0	118.7	118.5	120.2	114.4	114.5	124.7
20	128.1	129.1	135.4	131.1	122.9	123.0	118.9	118.4	....	114.0	115.3	....
21	128.4	119.6	135.6	130.7	123.0	122.9	120.5	119.8	120.1	113.8	115.2	....
22	128.1	129.0	....	130.3	123.0	122.7	118.7	119.8	120.4	114.3	115.6	124.0
23	128.1	130.2	....	130.3	122.8	122.6	118.8	120.7	120.6	115.0	....	123.2
24	124.0	129.4	135.9	130.9	122.9	122.5	119.9	....	120.7	....	....	120.6
25	121.8	....	135.7	131.1	122.9	122.8	119.3	....	120.6	....	117.6	120.3

25. 15. 7. 5. 4--Continued.

Daily lowest water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	122.7	.....	135.9	130.8	122.7	120.3	119.0	.....	120.2	.....	151.1	.....
27	122.5	.....	138.3	130.6	122.5	.....	119.0	120.5	119.6	.....	144.9	.....
28	121.6	.....	134.0	130.6	122.8	.....	118.5	120.5	119.4	114.3	142.1	.....
29	121.6	.....	133.5	125.3	123.0	115.9	117.9	119.8	119.2	114.3	141.3	.....
30	121.9	.....	.....	124.4	123.3	117.4	118.2	120.6	118.9	114.5	132.1	.....
31	122.0	.....	135.6	.....	123.4	.....	118.5	120.0	.....	114.4	.....	122.6

e Estimated.

25. 15. 7. 6. 7. East Orange Water Dept. downstream test well. About 0.3 mile downstream and on north side of Canoe Brook below Parsonage Hill Road. Used to observe water-level fluctuations in glacial drift. Diameter 8 inches, depth 62 feet. Records available: 1931-50. Highest water level 179.59, May 12, 1947; lowest 169.45, Apr. 26, 1944.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26, '31	178.01	Aug. 9, '35	173.66	Dec. 11, '40	178.47	May 12	179.59
Mar. 13	178.28	Sept. 9	174.69	Jan. 22, '41	178.50	June 12	178.43
Apr. 29	178.18	Nov. 7	176.22	Apr. 9	178.63	Aug. 21	177.80
May 13	178.40	Jan. 13, '36	179.01	May 29	175.51	Sept. 24	177.78
June 4	177.68	Sept. 11	173.92	Sept. 26	174.30	Oct. 29	176.17
23	177.94	Oct. 13	174.43	Oct. 21	174.50	Dec. 3	178.30
July 17	175.38	Nov. 16	175.71	31	174.56	Jan. 28, '48	178.50
Aug. 21	175.21	Mar. 9, '37	177.90	Jan. 14, '42	177.76	Feb. 24	179.33
Sept. 10	174.75	Apr. 5	177.94	July 23	174.54	Mar. 31	178.91
Oct. 9	174.22	May 14	177.06	Jan. 5, '43	178.80	May 11	178.61
Nov. 2	175.24	June 10	175.30	Apr. 27	178.45	July 1	178.92
Jan. 19, '32	177.75	July 2	175.59	July 23	175.19	Aug. 12	177.47
Feb. 19	178.06	Aug. 13	174.04	Nov. 17	178.70	Sept. 23	175.99
Mar. 10	178.44	Nov. 9	176.32	Jan. 3, '44	177.52	Oct. 6	175.85
Apr. 12	179.00	Dec. 2	178.74	17	178.57	Dec. 1	177.78
May 9	177.95	May 6, '38	177.09	Feb. 10	178.37	Jan. 4, '49	178.98
June 10	174.98	30	177.75	Apr. 26	169.45	Feb. 2	179.10
July 6	174.47	July 13	176.24	June 24	175.20	Mar. 3	179.02
Aug. 8	173.20	Aug. 10	178.63	Aug. 19	174.13	Apr. 7	178.62
Dec. 22	177.43	Oct. 6	177.91	Oct. 12	174.93	May 2	178.61
Jan. 24, '33	178.37	Nov. 21	178.00	Nov. 17	175.96	June 2	178.09
Mar. 31	178.29	Dec. 16	178.81	Dec. 15	178.87	30	175.57
May 12	178.60	Jan. 9, '39	178.81	Jan. 5, '45	178.90	Aug. 3	174.94
July 21	174.55	Mar. 7	178.95	Feb. 9	178.86	10	174.87
Sept. 13	176.69	May 4	178.67	Apr. 7	178.56	Sept. 27	174.46
Oct. 18	175.52	June 6	175.72	Aug. 8	178.53	Nov. 2	175.21
Nov. 28	175.61	July 17	175.58	Nov. 6	177.92	30	175.61
Jan. 12, '34	178.82	Aug. 7	175.83	Jan. 16, '46	178.52	Dec. 29	177.25
Feb. 7	177.96	Oct. 3	175.99	Mar. 5	178.69	Jan. 26, '50	178.17
Mar. 12	178.65	Nov. 9	177.76	Apr. 24	177.39	Mar. 6	178.37
Apr. 9	178.59	Dec. 6	177.02	May 21	178.86	Apr. 4	179.01
May 15	177.39	Mar. 8, '40	177.41	July 11	176.86	May 3	178.69
Sept. 19	178.52	Apr. 22	179.27	Aug. 14	176.57	June 22	177.64
Oct. 15	177.40	June 15	176.89	Nov. 6	177.52	Aug. 17	176.02
Feb. 12, '35	177.82	Aug. 22	175.27	Dec. 18	178.24	Oct. 2	176.08
Apr. 15	178.54	Oct. 4	177.67	Jan. 8, '47	178.63	Nov. 2	175.90
May 28	175.66	Nov. 13	178.47	Feb. 19	178.80	Dec. 5	178.09

26. 21. 1. 5. 6. Commonwealth Water Co. Short Hills Station test well 10. Highest water level 91.78 above msl, Jan. 12, 1934; lowest 64.14 above msl, Nov. 2, 1950. Records available: 1930-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	69.68	May 4	69.68	Aug. 17	65.44	Nov. 2	64.14
Mar. 6	67.44	June 22	67.78	Oct. 4	64.97	Dec. 5	66.51
Apr. 4	67.65						

25. 15. 7. 5. 9. East Orange Water Dept. Neutral Zone well on north bank of Canoe Brook below Parsonage Hill Rd. Diameter 6 inches, depth about 64 feet. Highest water level 174.80 above msl, Oct. 25, 1927; lowest 139.55 above msl, Aug. 10, 1936. Records available: 1925-50.

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1925

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 21	170.80	Oct. 2	165.75	Oct. 26	171.70	Nov. 21	172.60
22	170.00	3	166.30	27	171.65	22	172.75
23	168.00	4	167.50	28	171.55	23	171.00
24	168.30	5	164.55	29	170.70	24	170.30
25	168.75	6	164.50	30	170.85	25	170.30
26	167.60	7	166.15	31	171.25	Dec. 15	172.25
27	165.25	8	165.95	Nov. 1	171.35	16	173.10
28	166.25	9	165.95	2	170.35	17	173.10
29	166.25	10	168.90	3	170.35	18	173.20
30	166.70	24	171.15	20	172.80	19	173.15
Oct. 1	165.55	25	173.50				

Daily lowest water level, above mean sea level, from recorder graph, 1926

Day	Jan.	Mar.	Apr.	May	June	July	Aug.	Oct.	Nov.
1	.....	.....	172.75	169.55	.....	163.60	.....	.....	161.10
2	.....	.....	173.30	169.65	.....	163.60	.....	.....	161.10
3	.....	.....	173.40	170.50	.....	.....	.....	.....	161.05
4	.....	.....	173.35	169.00	.....	.....	166.75	.....	160.85
5	.....	.....	173.20	168.95	.....	.....	164.75	.....	.....
6	.....	.....	172.70	169.15	.....	.....	164.75	.....	160.80
7	.....	.....	172.65	168.85	.....	.....	166.90	.....	160.75
8	.....	.....	172.90	168.35	.....	.....	167.35	.....	160.10
9	.....	.....	.....	169.75	.....	.....	166.70	.....	160.15
10	.....	.....	173.10	170.20	.....	.....	166.00	.....	160.70
11	.....	.....	172.40	169.80	.....	.....	164.80	.....	159.65
12	.....	.....	171.40	168.70	.....	.....	163.60	.....	159.40
13	.....	.....	170.25	168.25	.....	.....	163.60	.....	160.10
14	171.00	.....	170.25	168.90	.....	.....	.....	.....	159.85
15	171.75	.....	170.20	169.30	.....	.....	.....	.....	159.95
16	170.00	.....	170.60	170.00	.....	.....	.....	.....	159.90
17	170.00	.....	170.60	169.55	.....	.....	.....	.....	160.75
18	171.10	.....	.....	168.65	.....	.....	.....	.....	161.15
19	170.60	.....	.....	168.55	.....	.....	.....	.....	161.00
20	170.75	.....	.....	168.60	.....	.....	.....	.....	161.00
21	170.85	.....	.....	169.90	.....	.....	.....	161.35	161.30
22	171.80	.....	.....	170.30	.....	.....	.....	161.35	161.20
23	.....	.....	.....	.....	.....	.....	.....	161.50	160.80
24	.....	.....	.....	.....	.....	.....	.....	161.75	160.55
25	.....	.....	.....	.....	168.80	.....	.....	161.35	160.30
26	.....	.....	.....	.....	167.60	.....	.....	161.00	160.40
27	171.15	173.40	.....	.....	166.95	.....	.....	161.00	160.60
28	171.35	173.35	.....	.....	167.30	.....	.....	160.80	160.35
29	.....	171.60	.....	.....	165.95	.....	.....	160.80	.....
30	.....	171.15	.....	.....	164.85	.....	.....	161.75	.....
31	.....	171.25	.....	.....	.....	.....	.....	161.80	.....

Daily lowest water level, above mean sea level, from recorder graph, 1927

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	171.15	168.60	169.20	.....	.....	.....	162.70	.....	.....	162.30	.....	165.05
2	170.65	167.70	169.40	.....	.....	.....	161.75	.....	.....	161.55	.....	165.75
3	170.30	167.35	169.20	.....	.....	.....	161.80	.....	169.50	161.00	.....	165.80
4	169.75	168.40	169.05	.....	.....	168.85	164.35	.....	171.10	.....	166.60	165.95
5	169.70	169.10	168.90	.....	.....	168.80	164.25	.....	.....	161.55	165.55	165.60
6	168.90	169.50	168.90	.....	.....	168.40	160.55	160.50	.....	.....	.....	164.50
7	168.85	169.35	168.80	.....	.....	168.40	159.80	165.90	.....	.....	.....	164.50
8	169.25	168.75	167.50	.....	.....	168.05	159.35	164.55	.....	.....	.....	166.00
9	.....	168.60	167.75	.....	.....	164.50	159.35	.....	169.30	.....	.....	170.60
10	.....	169.45	168.50	.....	.....	162.65	165.50	.....	169.30	.....	166.10	171.40
11	.....	.....	169.30	.....	.....	161.35	.....	169.30	.....	.....	165.20	172.85
12	.....	.....	169.30	169.50	.....	161.55	.....	169.30	.....	.....	166.10	173.10
13	.....	.....	169.15	169.75	.....	162.15	162.60	.....	.....	.....	165.85	172.85
14	.....	.....	168.90	168.45	.....	162.20	.....	.....	.....	.....	165.60	172.90
15	168.90	167.90	169.00	.....	.....	165.15	.....	170.25	.....	.....	.....	172.35
16	168.85	167.60	169.00	.....	.....	166.10	.....	169.65	.....	.....	.....	172.25
17	167.60	168.00	169.65	.....	.....	165.15	.....	168.20	.....	.....	.....	173.10
18	167.00	.....	169.30	.....	.....	164.20	.....	168.75	.....	.....	165.10	171.85
19	166.95	167.70	169.15	.....	.....	164.05	.....	169.10	.....	.....	164.75	168.00
20	167.10	167.45	168.80	.....	.....	166.90	162.45	169.50	.....	.....	164.85	167.15

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1927

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	168.00	168.90	168.75	.....	162.55	164.45	162.75	.....	.....	.....	165.60	166.80
22	168.30	169.35	168.35	.....	162.50	164.25	162.95	.....	165.35	.....	165.45	167.10
23	169.35	168.95	168.15	167.85	162.50	162.85	.....	.....	164.75	.....	164.65	168.10
24	169.25	168.50	168.15	167.35	162.50	161.35	.....	.....	164.25	.....	165.70	168.20
25	168.85	168.40	168.50	166.25	167.10	161.65	.....	.....	164.25	174.60	166.05	168.15
26	168.40	168.50	168.50	165.80	167.10	163.65	.....	.....	164.30	171.15	167.30	167.85
27	168.20	169.55	168.55	165.85	.....	163.90	.....	.....	162.65	168.05	166.85	168.10
28	.....	169.30	.....	165.80	.....	163.95	.....	168.10	162.30	166.90	167.50	167.55
29	.....	.....	.....	165.80	.....	162.30	164.10	.....	162.20	168.40	166.25	167.70
30	170.55	.....	.....	165.80	.....	162.30	164.00	169.30	162.10	167.65	165.40	168.85
31	170.65	.....	.....	.....	.....	.....	162.50	.....	.....	166.45	.....	168.85

Daily lowest water level, above mean sea level, from recorder graph, 1928

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	167.95	.....	167.00	165.00	164.40	163.70	162.40	.....	157.95	164.10	162.55	161.80
2	167.40	.....	168.00	165.10	163.20	162.80	161.45	.....	161.85	162.75	162.80	162.30
3	166.85	.....	167.20	164.95	162.55	160.85	160.90	.....	164.15	162.00	162.85	160.85
4	166.00	167.70	166.80	165.20	161.95	161.40	160.65	.....	163.30	161.75	164.15	160.25
5	166.80	165.90	165.95	165.55	161.90	163.40	161.30	.....	160.30	162.55	162.35	159.70
6	166.25	163.55	165.65	165.60	163.30	164.05	.....	.....	160.15	163.55	161.20	159.60
7	165.75	164.45	165.90	164.85	163.25	162.70	160.10	159.60	161.25	164.15	161.00	159.85
8	166.35	166.55	166.00	164.80	162.80	162.85	160.20	160.80	.....	162.10	161.55	161.00
9	167.35	169.10	166.85	165.00	162.75	162.35	.....	162.30	.....	162.55	160.70	162.25
10	167.45	167.90	166.30	164.75	162.80	162.70	.....	161.10	.....	162.75	162.40	160.80
11	167.10	169.30	166.60	164.70	164.20	163.50	.....	161.20	.....	162.20	163.90	160.65
12	166.45	168.45	165.70	164.20	163.20	164.40	.....	162.75	.....	161.45	162.20	160.00
13	166.85	167.45	165.55	163.80	162.60	163.40	159.60	164.75	.....	161.90	161.85	159.75
14	168.55	167.50	166.25	164.10	161.60	162.70	158.90	163.20	.....	.....	161.50	160.95
15	167.80	167.90	165.50	.....	162.60	162.50	158.90	161.05	.....	.....	161.35	160.60
16	167.10	168.45	165.60	165.40	162.50	161.70	159.60	160.40	.....	162.00	161.45	160.50
17	167.10	168.45	166.25	165.00	162.65	161.70	157.75	161.00	164.60	161.20	162.50	161.80
18	164.60	.....	166.75	164.20	163.45	.....	157.00	162.85	163.00	159.60	162.40	160.40
19	166.40	.....	166.45	165.05	164.05	162.60	157.65	162.90	165.10	159.40	161.80	161.80
20	166.55	.....	166.25	164.30	163.60	162.00	157.65	160.60	165.50	160.50	.....	160.40
21	166.15	.....	165.60	164.60	162.50	162.00	156.30	160.40	164.95	159.25	161.40	160.35
22	166.00	.....	165.90	164.10	162.15	.....	.....	162.45	163.80	159.60	162.35	161.20
23	166.10	.....	165.35	.....	161.90	164.30	.....	.....	165.05	161.00	162.10	161.90
24	165.45	.....	165.50	.....	.....	165.30	156.60	.....	164.85	161.10	162.10	161.40
25	165.80	168.10	165.75	165.40	.....	165.10	156.15	.....	164.10	160.55	161.30	161.90
26	166.05	167.50	165.45	165.35	162.00	162.65	156.20	.....	164.10	160.15	161.00	161.90
27	166.45	166.95	165.20	163.65	162.60	162.30	.....	.....	165.55	160.90	160.45	161.90
28	166.85	166.55	164.80	163.50	162.70	160.35	156.85	.....	166.00	162.90	160.45	160.60
29	166.75	166.25	164.65	165.00	162.70	.....	158.40	.....	164.70	163.60	159.85	161.10
30	.....	.....	165.35	164.40	162.95	161.25	.....	.....	165.70	161.30	161.45	160.90
31	.....	.....	164.75	.....	163.25	.....	.....	.....	.....	162.20	.....	160.65

Daily lowest water level, above mean sea level, from recorder graph, 1929

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	161.05	161.90	159.05	163.10	162.05	157.90	.....	152.50	155.85	.....	158.25	159.70
2	160.45	161.95	159.05	162.70	162.05	159.60	158.45	153.45	.....	.....	156.90	159.70
3	160.40	162.10	159.10	162.50	163.40	161.00	153.60	154.00	154.90	.....	156.30	159.70
4	159.15	160.70	160.10	162.45	162.75	.....	159.60	155.60	152.60	.....	157.35	161.20
5	160.15	161.05	161.70	162.75	162.45	.....	160.70	155.90	151.35	161.35	158.60	.....
6	161.95	161.75	162.10	162.80	.....	.....	160.80	155.60	151.35	162.45	159.65	.....
7	161.10	162.50	162.05	162.45	.....	.....	161.50	156.30	153.25	163.20	160.10	164.80
8	160.65	163.25	162.00	159.35	.....	160.90	158.55	155.85	152.75	160.30	159.75	162.40
9	160.65	163.70	162.55	159.25	.....	161.15	156.25	155.75	153.50	157.45	159.95	160.55
10	161.30	163.50	162.70	160.30	.....	161.10	155.30	155.05	152.25	155.70	160.50	.....
11	160.90	163.25	162.35	161.60	.....	159.10	154.60	155.75	152.00	155.10	159.60	.....
12	162.25	161.90	162.35	162.70	162.10	158.95	154.35	155.80	152.00	154.65	159.60	.....
13	163.10	162.10	162.30	164.05	160.30	.....	154.35	155.40	152.25	154.60	159.65	.....
14	161.70	162.65	162.25	164.00	161.40	.....	154.30	156.10	152.40	154.55	160.10	157.80
15	161.55	163.80	162.45	163.35	162.20	.....	156.10	157.70	153.85	154.50	160.50	157.00
16	160.65	163.75	162.60	163.25	158.55	158.30	155.50	157.50	154.35	154.45	160.70	156.10
17	160.65	162.65	161.60	163.80	157.70	159.10	155.05	157.60	154.55	154.50	161.10	156.20
18	162.70	160.70	160.00	164.00	157.70	159.10	154.30	157.60	155.40	155.35	162.70	156.25
19	163.15	161.20	160.90	163.50	.....	.....	154.30	158.20	156.10	154.90	.....	157.60
20	163.90	161.70	161.95	163.35	.....	.....	156.25	157.05	154.10	154.90	164.55	157.30

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1929

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	160.70	161.90	161.70	163.10	.....	.....	156.60	156.95	153.75	155.10	163.85	156.85
22	161.60	163.30	162.60	163.15	.....	155.20	157.75	156.85	153.65	154.70	162.10	156.70
23	163.05	161.45	162.65	162.75	.....	155.20	156.55	157.50	155.15	154.70	162.50	156.95
24	163.25	162.70	162.65	160.70	160.30	.....	155.15	156.20	154.20	.....	162.85	156.65
25	163.30	161.10	162.60	161.40	161.90	157.15	154.00	155.90	153.30	.....	162.60	156.50
26	163.65	162.05	162.10	161.90	162.55	157.35	152.55	156.85	153.25	157.70	162.40	156.50
27	163.60	162.30	161.80	160.80	159.55	156.85	152.25	154.75	153.85	157.00	160.90	157.00
28	163.95	158.85	161.90	161.35	159.00	156.90	151.95	154.50	152.65	157.30	160.40	157.00
29	153.50		162.60	162.15	159.35	157.70	152.45	154.90	152.50	158.25	160.20	157.05
30	161.95		162.85	162.10	159.35	.....	152.35	154.40	152.45	158.25	160.10	157.50
31	161.95		163.05		160.40		152.20	154.40		159.55		157.10

Daily lowest water level, above mean sea level, from recorder graph, 1930

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	156.70	159.20	162.40	170.00	169.10	171.50	156.70	159.10	164.60	153.05	155.25	157.95
2	156.90	159.20	163.85	170.90	168.80	169.30	156.35	157.10	161.60	155.40	155.30	157.50
3	157.10	158.85	164.50	166.85	170.25	164.55	156.65	157.10	158.40	.....	155.00	.....
4	156.70	158.30	164.80	166.00	170.20	161.55	157.55	157.50	159.10	154.85	155.60	.....
5	156.60	158.15	165.30	168.60	168.70	159.50	159.05	156.85	158.50	154.95	155.85	.....
6	157.10	157.90	.....	169.65	165.85	157.95	160.00	156.15	158.40	154.50	155.20	158.45
7	157.10	158.00	.....	168.60	163.85	158.60	159.25	156.15	158.65	154.15	.....	158.75
8	156.75	158.15	166.00	169.45	164.00	159.15	158.35	156.35	159.40	154.45	154.95	159.95
9	156.55	158.35	166.25	169.75	164.45	162.90	157.60	156.60	158.25	154.80	155.50	160.40
10	155.35	157.40	166.15	170.10	165.85	166.25	160.25	.....	158.25	154.45	155.15	159.50
11	156.15	157.15	166.90	170.30	166.45	166.05	164.35	.....	156.85	153.70	155.20	159.30
12	156.15	157.65	167.15	170.70	167.50	166.75	162.65	161.70	156.60	154.40	155.30	157.65
13	156.35	160.00	167.35	170.85	166.15	167.15	162.20	162.05	.....	155.00	155.25	154.15
14	157.35	162.10	169.15	169.25	165.30	165.00	161.40	162.25	.....	153.85	155.60	156.55
15	156.50	162.45	168.00	167.80	166.35	164.85	161.05	162.85	.....	154.10	155.25	153.00
16	156.30	162.60	168.75	169.05	168.50	162.05	162.00	167.85	.....	153.80	155.35	.....
17	156.15	.....	169.70	170.15	168.05	161.90	160.80	168.40	.....	154.10	155.75	.....
18	156.10	.....	170.25	173.30	167.30	164.95	158.95	164.45	.....	154.10	156.00	.....
19	156.10	.....	169.75	173.85	165.55	164.00	157.70	162.15	.....	155.15	156.20	.....
20	.....	.....	169.45	173.70	.....	162.60	157.15	161.25	154.85	154.25	156.25	156.95
21	.....	.....	169.50	172.30	166.10	163.90	157.00	159.95	151.90	.....	156.10	157.70
22	.....	.....	169.75	171.50	166.80	.....	156.35	157.95	152.10	.....	154.95	150.95
23	.....	162.55	169.75	171.25	165.95	.....	158.65	157.60	155.95	.....	154.95	154.15
24	.....	162.25	168.25	171.35	165.45	.....	161.05	157.75	155.20	.....	157.65	151.35
25	158.95	162.25	169.20	171.35	166.45	.....	159.90	159.25	156.10	.....	157.30	.....
26	158.95	162.45	170.00	171.80	168.75	.....	159.55	159.80	155.15	154.60	157.15	.....
27	158.95	162.50	169.95	171.00	168.00	.....	159.90	161.20	161.00	153.90	154.20	157.05
28	158.35	162.40	167.65	169.95	169.10	161.50	161.05	161.40	154.30	154.35	156.95	152.10
29	158.15	.....	169.20	169.85	169.15	159.20	159.20	160.40	154.90	154.70	156.45	152.25
30	158.15	.....	169.80	170.60	169.85	157.85	158.40	158.40	154.65	154.75	156.75	152.85
31	158.25	.....	168.35	.....	171.65	.....	158.20	159.25	.....	155.40	.....	152.80

Daily lowest water level, above mean sea level, from recorder graph, 1931

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	152.75	156.90	157.05	160.75	158.80	161.50	147.00	160.85	162.55	159.05	164.35	157.85
2	.....	155.70	156.05	161.10	157.65	161.15	149.90	162.50	160.25	159.00	159.60	155.40
3	152.00	.....	156.20	161.30	157.00	160.80	155.50	158.80	151.05	158.30	160.15	155.25
4	152.70	.....	156.60	.....	.....	159.50	159.50	159.25	151.05	159.75	157.65	156.45
5	152.30	.....	156.65	.....	.....	161.55	160.40	158.20	159.00	157.00	158.00	155.75
6	152.75	.....	157.20	.....	.....	160.60	162.10	156.60	161.35	155.65	156.70	154.35
7	152.40	155.95	157.80	.....	.....	162.80	160.70	153.90	162.95	155.45	155.05	153.80
8	152.10	156.70	157.95	.....	.....	164.00	162.50	152.70	158.25	156.30	155.55	153.05
9	.....	156.40	157.65	.....	.....	165.35	159.75	.....	161.10	156.50	154.50	153.30
10	151.50	156.60	158.00	.....	161.90	.....	162.10	.....	153.80	159.30	156.05	153.15
11	153.55	.....	158.40	.....	160.65	.....	159.75	.....	152.20	161.40	156.25	153.15
12	152.20	.....	158.25	163.95	160.70	167.00	156.20	.....	150.10	158.35	156.90	152.50
13	151.55	.....	158.50	162.95	163.50	165.10	.....	.....	151.75	159.15	158.15	153.45
14	.....	.....	157.75	163.30	164.75	166.50	.....	.....	151.35	159.35	158.90	152.80
15	.....	.....	157.75	163.90	165.80	166.65	.....	163.60	151.75	155.00	159.05	152.50
16	.....	.....	156.70	164.35	163.80	167.05	.....	163.95	155.00	157.00	158.50	152.00
17	150.75	.....	157.30	162.95	163.85	166.55	.....	163.65	157.00	159.90	158.80	152.10
18	153.50	.....	158.00	163.40	162.10	160.75	162.95	161.30	.....	161.05	158.90	152.00
19	151.85	.....	158.85	163.95	161.60	161.50	163.70	161.65	159.60	160.40	158.30	152.00
20	153.30	.....	159.20	159.80	162.75	158.70	164.05	163.45	159.40	155.75	159.10	152.10

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1931

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	154.40	.....	159.35	159.75	162.20	160.85	162.85	164.60	155.80	153.10	157.20	151.35
22	156.75	.....	159.70	156.50	163.65	160.70	160.80	162.90	153.10	154.50	157.60	151.05
23	158.60	158.25	164.40	162.30	156.55	164.35	152.85	157.70	157.80	151.40
24	159.20	163.10	165.75	164.75	160.30	165.70	155.50	160.50	158.05	152.00
25	159.40	161.50	164.85	164.35	162.75	165.75	157.75	157.75	158.65	152.10
26	159.50	161.30	165.25	162.75	164.05	164.75	159.40	155.90	158.05	151.95
27	156.70	159.70	160.65	165.00	160.35	163.10	163.15	160.00	157.25	158.75	152.35
28	156.45	159.80	160.70	165.30	157.75	152.95	162.60	160.50	167.20	159.30	151.95
29	160.60	159.95	160.50	154.90	154.00	162.40	158.35	.....	159.10	151.70
30	158.80	158.80	159.10	152.35	158.00	162.50	157.10	.....	158.85	150.80
31	160.05	.....	161.50	.....	159.25	163.10	.....	.....	.....	151.10

Daily lowest water level, above mean sea level, from recorder graph, 1932

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	152.45	159.50	163.80	167.70	165.30	158.00	.....	(j)	153.70	.....	155.20	159.25
2	152.40	159.35	164.10	167.80	164.85	155.00	.....	(j)	.....	157.85	155.05	159.30
3	152.60	159.95	.....	167.70	166.75	159.80	.....	(j)	.....	153.10	154.45	159.55
4	151.45	160.30	.....	164.75	169.85	157.45	.....	(j)	.....	154.55	159.00	159.60
5	151.85	160.40	.....	166.30	167.60	156.55	.....	.....	.....	157.20	156.55	160.10
6	152.20	160.30	173.95	163.45	168.40	152.10	.....	.....	.....	159.00	157.50	156.30
7	151.35	160.50	173.80	165.95	168.70	152.10	154.25	.....	.....	158.25	.....	158.20
8	151.35	160.95	169.05	165.90	169.10	156.10	153.90	.....	.....	159.70	.....	160.60
9	153.65	160.55	164.50	165.55	167.80	158.85	153.75	.....	.....	161.10	.....	158.15
10	155.25	161.10	163.40	165.44	168.60	154.15	153.65	.....	.....	153.00	.....	157.95
11	154.20	161.60	165.10	166.95	168.65	154.05	149.70	.....	.....	155.10	.....	157.25
12	155.10	161.25	165.90	166.40	164.00	154.45	149.30	.....	.....	156.90	.....	156.00
13	155.90	159.55	166.75	166.30	164.60	157.80	148.70	.....	.....	158.25	.....	156.45
14	155.45	159.65	164.70	166.30	165.50	157.30	.....	.....	.....	158.25	.....	156.50
15	158.10	158.60	166.20	166.10	165.30	157.75	.....	.....	.....	160.35	.....	155.90
16	157.85	159.25	165.10	165.00	162.30	157.20	(j)	.....	.....	161.20	.....	155.75
17	158.80	158.85	162.65	167.45	159.75	160.35	(j)	.....	158.10	157.60	.....	156.10
18	159.20	160.35	160.95	165.30	160.10	161.30	(j)	.....	158.85	160.40	.....	156.50
19	158.25	161.50	160.10	164.60	161.40	162.00	.....	.....	154.60	162.00	.....	153.15
20	158.30	161.80	161.95	164.65	163.10	156.15	.....	.....	153.10	.....	.....	154.40
21	157.30	161.50	162.15	164.50	161.30	155.85	.....	158.75	.....	.....	155.50	156.60
22	156.95	161.55	163.05	165.45	161.85	154.00	.....	155.75	152.00	154.70	158.20	156.50
23	156.40	161.40	162.60	166.40	160.60	153.45	(j)	154.50	.....	.....	159.25	156.85
24	158.60	163.35	158.75	166.70	160.20	152.65	151.00	154.30	.....	.....	159.70	157.60
25	158.10	164.00	159.25	167.85	157.80	149.75	.....	154.40	.....	.....	160.25	155.45
26	158.35	164.15	162.50	167.95	157.00	150.50	.....	154.40	.....	.....	160.25	156.15
27	159.20	163.65	164.45	168.25	156.65	.....	.....	.....	.....	.....	159.80	155.85
28	159.25	163.85	165.35	160.45	160.55	.....	.....	.....	.....	.....	155.70	157.15
29	159.60	161.80	163.60	157.95	162.30	.....	148.95	.....	.....	156.00	157.35	157.55
30	160.05	.....	165.40	162.80	162.40	.....	148.70	.....	.....	156.85	158.90	157.55
31	160.40	.....	166.35	.....	160.40	.....	151.45	.....	.....	154.05	.....	.....

j Below 148.60.

Daily lowest water level, above mean sea level, from recorder graph, 1933

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	157.40	162.10	152.15	160.60	161.85	162.30	149.70	143.45	151.05	.....	150.20	151.50
2	157.35	162.20	152.15	161.75	162.00	162.35	152.35	140.70	.....	.....	149.55	149.75
3	158.05	161.15	158.85	162.85	161.95	162.25	152.85	141.10	151.85	.....	150.30	149.60
4	158.40	160.55	160.40	162.95	161.90	161.90	153.30	144.75	152.60	.....	150.55	149.35
5	155.35	160.55	160.40	162.70	161.95	159.10	153.35	.....	151.80	.....	150.90	149.35
6	154.50	160.40	160.80	162.65	162.10	161.45	152.70	.....	151.05	.....	150.90	149.65
7	157.10	160.40	160.70	163.10	162.70	161.35	150.75	.....	150.65	.....	150.90	149.50
8	157.25	160.80	161.45	163.00	163.45	161.50	150.30	.....	150.15	.....	150.50	149.50
9	155.85	160.90	161.85	162.80	163.35	152.90	150.10	.....	.....	.....	150.35	149.55
10	156.95	160.90	161.25	160.85	163.35	156.20	151.50	.....	.....	.....	150.20	149.65
11	155.50	161.35	161.25	161.80	163.60	159.40	151.60	.....	.....	.....	149.90	150.15
12	156.85	162.00	161.35	162.05	163.55	155.75	151.55	.....	.....	.....	150.10	149.60
13	156.90	161.80	161.40	162.80	163.60	155.75	149.15	.....	.....	.....	150.40	149.10
14	156.95	161.45	161.70	163.25	163.95	154.10	149.30	.....	.....	.....	.....	149.00
15	157.55	161.50	162.20	163.60	164.05	153.55	149.80	.....	.....	150.05	.....	148.95
16	158.85	161.30	162.50	163.60	163.20	153.30	152.45	.....	.....	150.10	.....	149.25
17	160.05	161.45	162.35	164.40	162.60	153.30	151.20	.....	.....	150.30	.....	149.35
18	160.00	161.75	162.15	164.75	162.35	151.60	150.40	.....	.....	.....	150.70	149.00
19	159.95	161.10	162.10	163.80	162.30	150.05	151.20	.....	.....	150.20	150.35	147.55
20	159.95	161.75	162.15	163.75	158.55	149.85	148.05	.....	.....	150.05	150.30	147.65

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1933

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	159.75	162.15	162.80	164.00	161.05	149.60	149.85	.....	.....	150.30	150.00	148.60
22	159.45	161.80	162.35	164.00	159.85	147.95	146.85	.....	.....	150.20	151.65	149.00
23	161.45	162.10	161.50	163.50	161.00	147.90	.....	.....	.....	150.20	152.55	148.95
24	161.15	162.35	162.10	162.75	161.95	147.20	145.85	.....	.....	150.65	149.95	148.95
25	160.95	155.65	162.35	163.55	161.90	148.40	146.25	.....	.....	150.50	151.80	148.80
26	161.30	154.10	162.60	164.05	161.70	149.90	.....	151.05	.....	150.50	152.75	149.10
27	161.50	153.40	163.30	163.45	157.60	150.95	.....	151.00	.....	150.45	150.95	148.95
28	161.90	152.90	163.15	162.95	159.50	151.50	147.00	.....	.....	151.10	152.10	148.85
29	162.30	.....	162.90	162.50	157.80	147.95	146.05	.....	.....	151.20	152.75	148.95
30	162.30	.....	162.85	161.90	160.85	149.30	145.75	.....	.....	150.40	152.95	148.95
31	162.20	.....	162.85	.....	162.05	.....	144.60	.....	.....	148.60	.....	149.70

Daily lowest water level, above mean sea level, from recorder graph, 1934

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	148.75	151.10	147.85	152.00	148.45	148.45	.....	152.15	.....	147.90	.....	147.30
2	148.30	150.90	147.85	152.00	148.60	.....	.....	152.05	.....	147.90	.....	147.05
3	148.30	150.85	148.05	150.25	148.75	.....	147.00	.....	.....	.....	147.15	147.15
4	148.35	150.20	148.00	149.40	149.10	.....	147.10	.....	.....	.....	147.20	148.00
5	148.50	149.35	148.60	149.00	149.20	.....	148.10	152.10	.....	.....	146.45	.....
6	148.85	149.10	149.65	149.00	145.95	.....	147.60	152.60	.....	149.05	146.40	.....
7	149.10	148.90	150.50	149.75	144.65	.....	152.35	152.00	.....	.....	147.15	.....
8	149.50	148.70	150.90	149.20	144.95	.....	.....	151.90	.....	148.90	148.25	.....
9	149.50	148.55	151.20	149.15	146.70	.....	.....	151.70	.....	.....	147.95	.....
10	149.50	.....	151.20	147.55	147.90	.....	.....	.....	.....	.....	147.65	146.65
11	149.50	.....	151.10	148.45	148.40	.....	.....	.....	.....	.....	147.80	146.70
12	149.50	148.60	150.95	150.45	147.95	.....	.....	.....	.....	.....	147.60	146.80
13	149.45	148.40	151.05	149.80	147.95	.....	.....	.....	.....	.....	147.50	146.80
14	149.50	148.40	150.70	149.30	148.70	.....	152.35	.....	.....	.....	147.90	146.80
15	149.55	148.60	150.65	149.25	148.80	.....	152.35	.....	.....	148.85	147.90	146.60
16	149.35	148.40	150.60	149.40	148.65	.....	152.50	.....	.....	148.85	147.65	146.75
17	149.10	148.40	150.55	149.60	148.65	.....	152.15	.....	.....	.....	147.55	146.70
18	149.05	148.30	150.65	149.55	149.60	.....	151.00	.....	.....	.....	147.55	146.60
19	149.10	148.75	151.25	149.45	148.55	.....	151.45	.....	148.25	.....	147.40	146.65
20	149.60	148.50	151.65	149.30	148.30	.....	151.10	.....	148.20	.....	147.25	147.25
21	150.60	148.50	151.55	148.90	146.95	.....	148.45	.....	147.35	.....	147.25	147.00
22	150.80	148.65	151.60	148.15	146.15	.....	149.90	.....	147.35	.....	147.65	146.90
23	.....	148.25	151.30	148.05	147.70	.....	151.65	.....	147.15	.....	.....	146.75
24	.....	148.20	150.20	148.20	148.15	.....	151.60	.....	147.20	.....	147.45	147.05
25	.....	148.35	148.55	148.40	148.20	.....	152.70	.....	147.55	.....	147.10	146.90
26	.....	148.30	148.40	148.40	148.75	.....	151.85	.....	147.60	.....	147.00	146.90
27	.....	147.80	150.35	148.50	148.70	.....	.....	.....	147.50	.....	147.00	146.90
28	151.40	147.80	152.40	148.25	145.75	.....	151.60	.....	147.70	.....	147.00	147.05
29	151.30	.....	.....	148.20	147.55	.....	151.55	.....	147.50	.....	146.95	147.20
30	151.10	.....	.....	148.25	148.50	.....	152.85	.....	147.95	.....	147.05	147.05
31	151.10	.....	152.10	.....	148.60	.....	152.65	.....	.....	.....	.....	147.00

Daily lowest water level, above mean sea level, from recorder graph, 1935

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	147.35	.....	.....	153.30	147.80	146.95	147.05	.....	145.70	.....	146.20
2	147.25	.....	.....	153.45	149.30	146.85	147.05	.....	145.65	.....	145.95
3	147.15	.....	.....	153.65	147.85	146.95	146.95	.....	145.60	145.55	145.95
4	147.00	.....	.....	154.15	147.10	147.05	146.90	.....	145.50	143.35	145.90
5	146.90	.....	.....	154.05	143.80	146.90	147.30	.....	145.45	144.95	145.90
6	146.95	.....	.....	154.20	147.10	144.75	146.95	.....	145.35	145.05	145.85
7	147.25	.....	.....	154.10	147.00	145.20	.....	.....	142.80	.....	145.80
8	147.20	.....	.....	154.10	146.75	146.05	.....	146.65	144.45	.....	145.85
9	147.85	.....	.....	154.15	146.75	146.25	146.60	147.00	145.20	145.25	146.10
10	154.10	148.65	146.35	145.10	146.90	145.30	145.25	147.85
11	148.20	.....	154.40	147.45	146.35	145.25	146.80	145.50	145.30	148.20
12	146.85	147.90	.....	154.35	147.35	146.90	150.10	.....	143.65	145.35	147.75
13	147.30	147.90	.....	154.80	147.10	.....	150.85	.....	144.70	145.45	147.35
14	147.00	147.85	.....	154.45	147.35	.....	148.15	.....	142.80	145.35	147.30
15	147.00	148.60	148.95	154.15	147.20	.....	147.45	146.60	142.50	145.70	147.10
16	147.05	.....	148.80	154.15	146.95	.....	.....	146.70	144.25	145.60	147.35
17	147.90	.....	148.60	154.35	147.30	.....	147.60	146.60	144.90	145.65	147.25
18	149.15	.....	148.45	154.25	146.85	.....	148.90	146.55	.....	146.00	147.45
19	147.10	.....	148.65	154.30	146.85	.....	149.60	146.60	141.50	145.95	147.30
20	146.95	.....	148.70	150.30	146.85	146.20	150.55	.....	142.35	146.10	147.70
21	147.15	.....	148.70	149.20	146.80	146.70	150.90	.....	142.10	146.10	147.30

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1935

Day	Jan.	Feb.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
22	147.15	.....	148.55	148.55	146.60	146.90	.....	146.70	146.60	146.35	147.10
23	147.20	.....	148.65	148.20	146.50	146.75	.....	146.60	145.40	146.00	147.10
24	147.10	.....	148.35	148.30	146.85	146.80	.....	146.40	145.25	145.85	147.15
25	.....	.....	148.35	.....	146.75	146.90	150.80	146.35	145.30	145.90	146.85
26	.....	.....	148.25	.....	146.25	.....	151.35	146.50	145.10	145.80	146.85
27	.....	.....	146.60	.....	146.50	147.30	151.15	146.20	144.95	145.80	.....
28	.....	.....	145.70	147.60	.....	147.30	151.10	146.20	141.80	145.90	147.30
29	.....	.....	147.30	145.90	146.85	147.30	151.05	145.95	144.05	146.60	147.30
30	.....	.....	152.25	147.35	146.80	147.15	.....	145.75	144.65	146.20	147.30
31	.....	.....	.....	148.10	.....	147.10	.....	.....	146.10	.....	.....

Daily lowest water level, above mean sea level, from recorder graph, 1936

Day	Jan.	Feb.	Mar.	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	147.95	149.10	.....	148.30	145.95	148.20	.....
2	.....	147.55	149.15	.....	148.50	145.10	145.80	.....
3	.....	147.50	149.80	.....	148.70	144.60	147.90	.....
4	149.00	147.55	150.40	.....	.....	.....	148.95	.....
5	148.95	147.25	150.10	.....	148.80	.....	.....	145.30
6	148.85	147.15	149.70	.....	148.40	.....	.....	146.10
7	148.85	147.00	149.55	.....	148.20	.....	149.35	144.95
8	148.45	146.80	149.40	142.90	148.70	.....	149.10	143.90
9	148.45	146.80	149.50	142.70	145.50	.....	148.65	144.25
10	149.25	147.10	145.95	139.55	145.60	.....	148.25	144.90
11	149.05	146.85	.....	141.20	147.90	146.85	148.20	145.45
12	148.80	146.70	.....	141.00	148.25	147.75	148.20	144.55
13	148.75	146.65	.....	141.05	146.40	147.75	.....	145.25
14	148.55	148.00	.....	140.75	147.60	147.85	149.15	144.00
15	148.45	148.05	.....	142.00	147.95	147.25	149.05	144.70
16	148.60	147.95	.....	141.85	148.25	146.80	148.60	144.85
17	149.75	147.95	.....	146.05	.....	.....	148.30	145.05
18	149.65	147.95	.....	.....	.....	147.60	148.30	144.85
19	149.65	.....	.....	.....	143.75	145.80	148.00	144.90
20	149.45	.....	.....	.....	145.45	147.45	148.75	146.30
21	.....	.....	.....	150.10	146.25	147.00	149.05	145.20
22	.....	147.70	.....	149.10	146.30	147.45	148.85	145.00
23	.....	147.60	.....	148.95	146.40	148.50	148.70	144.85
24	.....	147.70	.....	148.85	.....	148.40	148.70	145.05
25	147.95	147.90	.....	148.65	.....	148.35	148.65	145.95
26	148.15	147.80	.....	148.40	.....	148.30	148.70	144.90
27	148.20	147.90	.....	148.30	145.50	146.55	.....	145.75
28	147.80	148.90	.....	148.80	145.95	146.75	.....	144.55
29	147.65	148.80	.....	148.70	146.30	147.25	148.80	144.45
30	.....	.....	.....	148.80	145.80	.....	.....	145.15
31	.....	.....	.....	148.55	.....	147.20	.....	.....

Daily lowest water level, above mean sea level, from recorder graph, 1937

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	150.80	151.35	152.30	149.00	.....	.....	149.50	155.80	156.25	153.55
2	.....	151.00	151.25	151.65	150.70	.....	.....	149.30	152.00	154.45	153.50
3	.....	151.00	151.25	151.10	148.60	.....	.....	149.60	153.50	153.85	155.45
4	.....	151.20	151.30	151.05	150.95	.....	.....	149.30	153.05	155.50	156.65
5	.....	.....	.....	151.05	151.50	.....	.....	151.25	154.95	156.70	157.50
6	.....	.....	.....	.....	.....	150.85	.....	152.05	156.15	157.10	157.50
7	.....	151.40	.....	.....	.....	151.10	.....	152.15	156.50	157.15	157.35
8	.....	151.50	150.95	.....	151.15	.....	.....	149.55	156.35	154.55	157.80
9	150.20	151.45	151.30	.....	151.40	.....	.....	149.00	156.30	156.75	157.20
10	150.05	151.30	151.30	152.40	149.30	.....	.....	151.20	156.40	156.90	157.25
11	150.15	151.30	151.30	151.85	.....	150.85	.....	152.05	156.45	156.85	157.20
12	150.10	.....	151.60	148.65	.....	150.90	.....	152.25	156.40	154.70	.....
13	149.70	151.30	151.65	151.00	.....	151.50	152.65	152.20	156.35	152.45	.....
14	.....	151.25	151.45	151.60	.....	.....	153.80	146.35	156.25	151.15	.....
15	.....	151.40	151.60	.....	.....	.....	155.50	149.10	156.75	148.60	.....
16	150.40	151.30	152.00	.....	152.10	.....	152.70	151.95	153.90	148.45	.....
17	150.40	151.00	151.95	149.50	152.20	.....	150.55	152.25	156.00	157.45	.....
18	150.90	151.00	151.90	151.00	152.10	.....	150.60	152.30	156.60	156.90	156.95
19	150.80	.....	.....	148.35	152.00	152.20	151.70	152.40	156.95	156.90	156.50
20	150.80	151.15	151.70	150.45	151.95	152.75	149.80	149.20	157.25	157.10	156.90
21	151.10	151.10	151.85	151.40	151.75	152.60	149.45	151.55	157.30	157.05	156.85
22	.....	151.50	150.70	151.80	151.60	151.95	151.85	152.95	157.35	155.05	156.80

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1937

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Sept.	Oct.	Nov.	Dec.
23	150.70	151.50	151.70	.....	151.60	152.20	151.95	155.45	157.20	154.65	156.85
24	150.60	151.60	151.80	.....	151.65	.....	152.10	153.55	156.85	.....	156.70
25	.....	152.00	152.00	151.80	151.65	.....	151.25	154.55	156.65	.....	156.70
26	.....	.....	152.15	148.90	151.70	.....	.....	155.70	156.60	.....	157.40
27	.....	151.60	.....	149.90	.....	152.35	.....	153.40	156.80	148.65	157.35
28	.....	151.35	152.40	146.00	.....	.....	150.15	154.75	156.60	149.60	156.50
29	.....	.....	149.30	145.85	.....	.....	151.60	155.55	.....	147.95	156.45
30	.....	.....	151.75	150.50	151.10	.....	152.40	155.65	.....	152.20	156.40
31	149.60	.....	152.15	.....	151.10	.....	149.80	.....	156.25	.....	156.55

Daily lowest water level, above mean sea level, from recorder graph, 1938

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Oct.	Nov.	Dec.
1	158.45	164.95	159.65	.....	162.00	164.35	.....	163.50	.....	.....	165.65
2	.....	164.85	161.90	163.10	159.55	164.05	.....	161.10	.....	.....	165.70
3	159.70	164.95	163.35	163.85	158.85	164.05	.....	161.15	.....	.....	165.70
4	159.80	.....	.....	161.35	160.50	164.75	.....	161.10	.....	.....	164.15
5	159.50	165.25	163.60	163.00	162.55	164.90	.....	161.85	.....	.....	163.85
6	159.70	165.25	162.15	163.60	160.35	164.30	.....	158.20	165.40	.....	.....
7	.....	165.45	160.60	163.65	154.40	164.30	.....	.....	165.45	.....	.....
8	160.55	165.40	162.15	163.65	154.70	164.35	.....	.....	165.40	.....	.....
9	161.00	165.55	164.90	164.40	161.20	164.75	.....	.....	165.35	.....	.....
10	159.60	165.55	166.40	164.85	162.35	.....	.....	164.60	163.00	.....	160.35
11	161.95	165.55	167.15	163.05	163.50	161.35	.....	164.80	164.40	.....	160.00
12	163.40	165.55	165.95	164.05	163.90	160.75	.....	164.95	164.90	.....	159.15
13	163.80	165.60	164.65	164.80	163.65	161.05	165.15	164.95	161.05	.....	158.80
14	163.90	164.70	164.65	164.80	.....	160.55	161.20	164.95	.....	.....	158.60
15	163.85	164.00	165.10	164.80	.....	163.05	162.05	161.25	.....	.....	158.30
16	163.90	163.75	165.45	164.45	.....	.....	163.85	160.60	.....	.....	158.30
17	164.00	163.70	166.15	164.30	.....	.....	164.70	160.45	.....	164.25	158.30
18	164.00	163.85	.....	162.75	.....	.....	164.75	163.10	.....	164.90	158.70
19	.....	163.95	160.75	162.25	.....	.....	164.85	164.15	.....	.....	158.70
20	.....	163.75	161.40	161.30	.....	.....	165.10	164.25	.....	.....	158.60
21	.....	163.55	164.75	160.90	.....	.....	165.05	164.30	.....	161.85	158.55
22	164.25	163.50	165.30	161.00	163.90	.....	165.10	161.40	165.20	162.95	158.45
23	164.25	163.50	165.55	161.20	.....	.....	.....	162.30	165.10	163.50	158.40
24	164.55	163.65	165.75	161.20	.....	.....	.....	161.50	165.25	165.30	158.05
25	165.05	163.90	.....	161.40	.....	.....	164.55	163.90	165.25	.....	157.65
26	165.05	163.90	164.50	161.40	.....	.....	165.20	.....	163.70	165.75	157.55
27	165.05	164.00	164.50	162.30	.....	.....	165.45	.....	165.15	165.75	157.70
28	165.30	161.10	162.95	162.35	.....	.....	162.60	.....	.....	165.70	157.70
29	165.55	.....	163.90	.....	.....	.....	161.35	.....	.....	162.70	157.65
30	165.30	.....	164.15	160.55	164.65	.....	.....	.....	.....	165.05	157.85
31	165.15	.....	164.25	.....	164.45	.....	160.75	.....	.....	.....	157.80

Daily lowest water level, above mean sea level, from recorder graph, 1939

Day	Jan.	June	July	Aug.	Nov.	Dec.
1	156.15	.....	167.00	.....	.....	152.65
2	156.25	.....	165.50	.....	.....	152.05
3	156.15	.....	163.90	.....	.....	152.00
4	155.45	.....	166.40	.....	.....	152.20
5	156.00	.....	163.50	.....	.....	.....
6	.....	160.50	163.00	.....	.....	.....
7	.....	160.20	159.00	163.50	.....	.....
8	.....	160.00	158.40	164.90	.....	.....
9	.....	154.60	160.40	166.30	.....	.....
10	.....	154.30	159.10	163.20	.....	.....
11	.....	160.50	160.70	162.20	.....	.....
12	.....	155.00	160.90	162.00	.....	.....
13	.....	157.20	161.00	164.00	.....	.....
14	.....	159.20	161.30	163.70	.....	.....
15	.....	161.70	161.30	162.10	.....	.....
16	.....	161.60	161.70	162.30	.....	.....
17	.....	160.70	160.60	161.40	.....	.....
18	.....	162.80	161.20	158.80	.....	.....
19	.....	163.60	160.80	.....	152.50	.....
20	.....	165.30	161.10	.....	152.15	.....
21	.....	163.70	161.10	.....	152.15	.....
22	.....	162.60	161.30	.....	152.45	.....
23	.....	163.50	161.40	.....	152.50	.....

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1939

Day	Jan.	June	July	Aug.	Nov.	Dec.
24	162.90	157.90	.....	152.55	.....
25	163.10	156.10	.....	152.55	.....
26	162.80	.....	.....	153.05	.....
27	162.40	.....	.....	153.30	152.05
28	160.20	.....	.....	153.10	152.50
29	162.00	.....	.....	153.05	152.50
30	164.90	.....	.....	152.85	152.65
31	152.40

Daily lowest water level, above mean sea level, from recorder graph, 1940

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	152.40	150.25	.....	156.90	167.00	.....	163.55	158.85	164.40	.....	.....	158.05
2	152.45	150.25	.....	156.55	167.30	.....	162.30	160.15	164.65	.....	.....	157.40
3	152.40	150.15	.....	156.45	167.30	.....	162.85	158.90	164.50	.....	.....	.....
4	152.60	149.90	.....	157.30	167.30	.....	163.30	159.95	164.50	.....	.....	.....
5	152.45	149.90	.....	158.25	167.20	.....	163.50	158.60	164.50	163.20	.....	.....
6	.....	149.90	.....	158.05	164.05	.....	163.45	158.55	164.50	163.20	.....	.....
7	.....	149.85	.....	158.30	166.25	.....	163.55	159.80	164.55	160.85	.....	.....
8	150.45	149.65	.....	159.20	166.90	.....	160.00	162.20	164.65	162.50	.....	.....
9	149.70	149.65	152.15	159.45	167.10	.....	162.05	163.10	164.85	163.05	.....	.....
10	150.05	149.65	152.40	160.05	167.25	.....	159.10	161.90	164.85	163.05	.....	.....
11	149.30	150.25	.....	155.95	167.20	.....	158.65	.....	164.70	163.10	.....	157.65
12	148.60	150.40	.....	155.70	166.65	.....	161.25	.....	164.55	163.15	.....	159.00
13	148.15	150.25	.....	161.55	164.75	.....	162.90	.....	164.53	163.25	.....	157.90
14	148.05	150.25	.....	160.65	163.80	.....	163.45	.....	164.50	160.00	157.00	157.70
15	148.65	150.05	.....	160.95	160.85	.....	160.65	.....	164.55	161.75	158.55	158.80
16	149.50	149.85	152.55	161.15	163.05	161.25	162.75	.....	162.65	162.90	161.55	159.35
17	150.75	149.85	152.85	.....	166.05	158.90	163.45	.....	164.05	163.10	163.40	158.85
18	151.45	149.85	153.35	.....	166.95	160.70	163.45	.....	164.45	163.00	159.95	158.65
19	151.05	150.15	153.35	.....	167.25	157.65	162.00	.....	163.50	.....	160.30	158.35
20	150.80	150.65	155.90	.....	163.35	157.20	162.85	.....	163.45	.....	162.45	158.40
21	150.80	151.95	157.20	.....	165.55	159.45	163.75	.....	160.65	.....	163.25	158.45
22	150.65	152.10	157.50	.....	165.45	158.70	159.60	.....	161.95	.....	163.45	158.80
23	.....	151.40	.....	163.90	166.75	161.00	160.15	163.20	.....	.....	163.55	159.35
24	.....	.....	.....	166.05	167.40	162.65	161.15	163.55	.....	.....	163.65	158.30
25	150.35	.....	.....	167.15	167.65	163.25	162.90	163.75	.....	.....	159.90	158.25
26	150.25	.....	.....	167.30	167.65	163.40	160.25	163.95	.....	.....	159.15	158.65
27	150.25	.....	.....	167.45	167.65	163.50	158.90	164.05	.....	.....	161.55	158.60
28	150.55	.....	.....	167.35	167.50	163.55	160.80	164.05	.....	.....	159.75	159.55
29	150.50	.....	.....	163.65	167.40	163.55	158.90	164.25	.....	.....	159.95	160.00
30	150.45	.....	.....	165.90	167.45	163.45	158.70	164.25	.....	.....	158.45	.....
31	150.30	.....	.....	.....	167.85	.....	158.35	164.40	.....	.....	.....	.....

Daily lowest water level, above mean sea level, from recorder graph, 1941

Day	Jan.	Feb.	May	June	July	Aug.	Oct.	Nov.	Dec.
1	.....	164.20	.....	157.75	155.65	162.45	.....	151.45	151.00
2	.....	164.25	.....	157.80	155.00	160.60	.....	150.90	151.60
3	.....	161.30	.....	157.15	156.60	161.95	.....	151.25	150.40
4	.....	163.20	.....	158.25	160.10	159.45	.....	150.90	150.55
5	159.30	163.90	.....	153.75	162.05	161.55	.....	150.95	150.95
6	158.70	164.05	.....	155.75	162.15	159.55	.....	151.85	150.40
7	158.80	164.15	.....	156.50	159.65	159.65	.....	152.10	150.80
8	159.00	162.75	.....	157.10	158.45	158.65	.....	152.50	150.90
9	160.95	162.45	.....	157.30	157.85	158.35	.....	152.55	151.00
10	162.80	160.60	.....	157.25	157.10	159.00	.....	152.25	150.85
11	.....	160.55	.....	156.50	156.90	158.15	.....	152.45	150.55
12	.....	.....	.....	156.85	158.65	158.95	.....	151.45	150.40
13	.....	.....	.....	158.80	.....	160.20	.....	152.45	150.75
14	.....	.....	.....	159.70	.....	160.65	.....	152.10	151.55
15	.....	.....	.....	160.05	.....	159.55	.....	151.55	150.35
16	.....	162.35	.....	158.45	.....	161.45	.....	152.05	150.95
17	.....	161.55	.....	158.10	.....	162.45	.....	151.40	150.85
18	.....	161.75	.....	157.60	.....	159.55	.....	151.05	151.20
19	164.15	164.15	.....	156.90	.....	161.55	.....	150.60	150.85
20	160.45	162.95	.....	156.55	.....	160.45	.....	150.65	150.30
21	162.55	162.35	.....	155.75	159.30	161.85	.....	151.05	150.75
22	163.55	162.95	.....	156.10	159.05	.....	153.40	150.25	150.45
23	163.95	163.40	.....	155.85	158.35	.....	153.90	151.05	150.85

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1941

Day	Jan.	Feb.	May	June	July	Aug.	Oct.	Nov.	Dec.
24	163.95	.....	.....	156.00	154.40	.....	154.70	151.50	150.85
25	164.05	.....	.....	155.10	155.70	.....	154.35	150.85	150.95
26	164.05	.....	.....	155.65	156.10	.....	155.20	151.10	151.05
27	161.75	.....	.....	152.85	157.00	.....	154.55	152.55	150.65
28	163.45	.....	.....	151.15	157.85	.....	154.85	152.95	150.95
29	163.95	.....	.....	151.10	158.45	.....	154.15	151.05	150.35
30	164.10	.....	156.95	155.05	160.55	.....	151.65	151.75	149.45
31	164.20	.....	157.15	.....	161.95	.....	151.15	.....	149.05

Daily lowest water level, above mean sea level, from recorder graph, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	148.20	158.75	155.65	157.45	155.40	153.95	.....	157.75	.....	162.90	163.85	.....
2	148.60	157.20	155.45	157.25	155.30	155.85	.....	156.55	.....	163.05	163.95	.....
3	149.25	156.25	156.25	157.45	155.60	155.70	.....	156.05	.....	162.95	163.60	.....
4	149.15	156.20	155.80	158.70	155.55	155.80	.....	155.45	.....	163.40	163.45	.....
5	149.75	156.40	155.85	155.05	155.30	155.55	.....	157.00	.....	163.75	163.55	.....
6	149.85	156.35	155.85	161.40	155.15	155.25	.....	154.90	.....	163.85	155.15	.....
7	153.35	157.65	155.85	158.35	156.15	155.25	.....	154.75	.....	163.65	155.60	.....
8	154.45	157.15	156.20	157.45	160.40	155.50	.....	154.75	.....	163.60	161.80	.....
9	154.45	156.30	156.90	157.90	161.20	155.35	.....	154.90	.....	163.60	163.00	164.30
10	154.30	156.65	157.05	158.15	.....	155.25	.....	160.15	.....	163.65	163.10	164.20
11	154.65	157.50	156.65	157.55	156.85	156.05	.....	162.55	.....	163.65	163.40	164.20
12	152.45	157.35	156.25	157.60	156.35	156.75	.....	162.65	.....	163.70	163.45	164.35
13	152.75	157.40	156.25	157.60	155.65	156.35	154.80	161.55	.....	160.45	163.50	164.45
14	154.05	157.15	157.25	157.40	155.55	.....	154.65	161.40	.....	158.45	163.35	164.40
15	154.25	157.75	158.60	157.10	155.80	.....	.....	161.05	.....	156.85	163.25	164.40
16	154.00	157.00	157.35	157.05	155.70	.....	.....	159.75	.....	156.45	163.40	164.35
17	154.40	157.50	159.05	157.35	157.80	.....	.....	159.35	.....	159.65	160.40	164.30
18	155.05	156.45	159.80	157.30	155.95	.....	.....	161.15	.....	162.20	162.30	161.05
19	153.65	156.45	158.15	156.95	155.00	.....	.....	161.05	.....	.....	163.10	.....
20	155.20	156.65	157.50	155.85	155.05	.....	.....	160.95	.....	.....	163.25	.....
21	155.90	156.25	157.15	156.30	155.00	.....	.....	.....	.....	.....	158.75	.....
22	156.30	156.60	158.05	156.65	156.45	.....	.....	.....	.....	.....	158.00	.....
23	156.50	156.35	157.10	155.85	155.20	.....	.....	.....	.....	.....	157.80	.....
24	156.15	155.85	156.95	154.80	155.15	.....	154.95	.....	.....	.....	158.65	.....
25	156.20	155.55	157.40	154.80	155.20	.....	154.90	.....	.....	.....	.....	.....
26	156.40	155.30	157.50	155.40	155.10	.....	155.10	.....	.....	.....	.....	.....
27	157.20	155.05	156.60	155.45	154.30	.....	155.20	.....	.....	.....	.....	.....
28	157.05	155.15	153.90	155.35	154.30	.....	158.90	.....	.....	161.00	.....	.....
29	156.50	.....	155.65	155.80	154.05	.....	156.65	.....	.....	161.80	.....	.....
30	156.15	.....	157.75	155.70	154.05	.....	155.80	.....	162.90	163.15	.....	.....
31	156.40	.....	157.80	.....	154.20	.....	155.65	.....	.....	163.45	.....	.....

Daily lowest water level, above mean sea level, from recorder graph, 1943

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	159.20	.....	.....	.....	164.05	158.50	.....	156.85	.....	161.55
2	.....	.....	159.25	.....	.....	.....	164.25	157.80	.....	156.85	.....	160.85
3	.....	.....	159.25	.....	.....	166.10	164.45	157.30	.....	157.10	.....	160.85
4	.....	.....	158.80	165.25	.....	165.70	164.70	157.05	.....	157.35	.....	160.20
5	.....	.....	158.55	164.15	.....	161.95	165.10	157.00	.....	157.25	.....	160.05
6	.....	.....	159.35	165.15	.....	160.55	164.95	157.10	.....	156.95	.....	160.00
7	157.45	.....	162.20	165.05	.....	162.75	164.80	156.85	.....	156.95	164.50	159.80
8	159.05	.....	163.20	165.10	.....	164.55	164.65	156.85	.....	157.25	164.55	159.60
9	158.20	.....	160.35	164.95	.....	164.80	.....	156.90	.....	157.25	164.80	159.55
10	158.85	.....	159.35	164.95	158.05	165.15	.....	157.00	.....	156.85	165.10	159.55
11	157.70	.....	159.35	.....	157.90	165.40	.....	157.15	.....	156.65	165.45	.....
12	157.55	.....	161.60	.....	.....	165.40	.....	156.95	.....	156.65	165.70	.....
13	158.65	.....	160.25	.....	.....	165.40	.....	157.10	.....	156.75	165.90	.....
14	158.50	.....	161.45	.....	.....	165.50	.....	158.25	.....	157.15	166.00	.....
15	158.65	.....	159.75	.....	.....	165.45	.....	159.50	.....	157.25	166.00	.....
16	157.75	.....	159.20	.....	.....	165.45	.....	159.15	.....	157.40	166.10	.....
17	157.75	.....	158.85	.....	.....	165.25	.....	158.55	157.55	157.55	166.10	.....
18	159.85	.....	158.85	.....	.....	165.25	.....	160.20	157.35	157.45	165.85	.....
19	159.40	.....	162.00	.....	.....	165.25	.....	159.25	157.40	157.45	158.25	.....
20	.....	.....	164.15	.....	.....	165.25	.....	159.15	157.50	160.80	158.85	.....
21	.....	.....	166.40	.....	.....	165.25	.....	159.15	157.45	158.75	163.55	.....
22	.....	.....	165.75	.....	.....	165.05	.....	158.35	157.40	.....	164.85	.....
23	.....	158.85	164.75	.....	.....	164.90	160.35	157.95	157.40	.....	165.25	.....
24	.....	160.45	163.85	.....	.....	164.90	162.00	157.55	157.30	.....	161.40	.....
25	.....	161.10	164.35	.....	.....	161.35	163.00	.....	157.25	.....	162.05	.....

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1943

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	163. 05	163. 35	.....	.....	158. 95	164. 95	.....	157. 15	.....	163. 40	.....
27	160. 05	164. 25	.....	.....	159. 55	165. 20	.....	157. 00	.....	165. 00	.....
28	159. 55	165. 55	.....	.....	157. 85	162. 65	.....	156. 90	.....	165. 95	.....
29	158. 65	160. 65	.....	156. 75	.....	163. 25	.....
30	163. 05	163. 35	160. 55	.....	156. 75	.....	161. 75	.....
31	166. 15	.....	159. 15	.....	.....	.....	.....	.....

Daily lowest water level, above mean sea level, from recorder graph, 1944

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	166. 35	166. 55	164. 00	168. 95	.....	158. 15	.....	150. 20	.....	.....	164. 75
2	166. 35	166. 25	164. 25	166. 75	.....	158. 05	.....	150. 05	.....	.....	164. 95
3	166. 35	166. 25	164. 50	164. 40	.....	158. 00	.....	149. 95	.....	148. 65	161. 30
4	162. 70	166. 35	164. 65	163. 40	158. 20	157. 90	.....	149. 90	.....	148. 65	160. 20
5	160. 20	166. 20	164. 65	163. 00	158. 15	158. 00	.....	.....	.....	149. 45	159. 55
6	159. 25	166. 15	164. 55	162. 55	158. 20	157. 85	.....	.....	.....	149. 10	159. 45
7	158. 90	166. 15	164. 55	162. 55	158. 30	157. 75	.....	.....	.....	148. 75	159. 55
8	158. 70	166. 30	164. 55	163. 55	158. 15	157. 80	.....	.....	.....	148. 65	.....
9	161. 75	166. 05	164. 55	163. 50	157. 95	157. 75	.....	.....	.....	148. 65	.....
10	164. 30	166. 05	164. 65	163. 55	157. 85	157. 70	.....	.....	.....	148. 65	.....
11	165. 10	166. 05	164. 65	163. 55	158. 10	157. 60	.....	.....	.....	148. 35	.....
12	165. 95	166. 25	164. 95	162. 65	158. 35	157. 55	.....	.....	.....	148. 35	.....
13	166. 15	166. 45	164. 75	162. 65	158. 20	157. 20	.....	155. 30	149. 15	148. 35	.....
14	166. 35	166. 25	164. 65	162. 95	158. 15	156. 55	.....	153. 35	148. 95	148. 35	.....
15	166. 60	166. 15	164. 60	162. 20	158. 15	156. 50	.....	154. 65	148. 95	148. 35	.....
16	166. 55	165. 75	164. 75	161. 90	159. 75	156. 60	.....	152. 85	149. 25	148. 50	162. 55
17	166. 60	165. 40	164. 85	161. 80	158. 60	156. 65	.....	152. 65	149. 25	148. 60	160. 95
18	166. 80	165. 00	164. 90	161. 55	158. 35	157. 00	.....	154. 30	149. 85	148. 40	160. 35
19	166. 70	164. 85	165. 95	161. 25	158. 35	156. 90	154. 05	152. 65	149. 85	148. 40	160. 70
20	166. 70	164. 95	167. 05	161. 15	158. 55	156. 10	154. 35	152. 50	149. 85	148. 55	162. 20
21	166. 90	164. 65	167. 65	161. 05	158. 45	153. 95	153. 75	152. 45	149. 90	149. 00	162. 45
22	166. 95	164. 15	167. 90	161. 05	158. 40	154. 70	154. 65	152. 15	149. 85	152. 30	162. 35
23	160. 80	167. 15	164. 25	168. 05	161. 15	158. 45	156. 05	155. 90	152. 10	149. 85	153. 60
24	160. 10	167. 20	164. 50	168. 20	161. 15	158. 60	156. 45	155. 15	152. 15	149. 65	154. 20
25	159. 95	167. 15	164. 65	163. 85	161. 40	158. 70	156. 05	152. 75	152. 15	149. 65	156. 80
26	163. 20	167. 15	164. 65	168. 85	161. 45	158. 50	156. 05	152. 55	152. 20	149. 60	159. 00
27	164. 65	167. 35	164. 70	168. 85	.....	158. 35	153. 10	152. 85	152. 20	149. 45	160. 15
28	165. 30	167. 45	164. 30	168. 80	.....	158. 25	.....	152. 30	152. 25	149. 45	161. 30
29	165. 85	167. 45	159. 45	168. 75	.....	158. 20	.....	152. 25	152. 20	149. 45	162. 55
30	166. 10	.....	159. 60	168. 85	.....	158. 20	.....	151. 80	.....	149. 25	163. 65
31	166. 15	.....	163. 25	.....	.....	.....	150. 75	.....	.....	.....	157. 10

Daily lowest water level, above mean sea level, from recorder graph, 1945

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Oct.	Nov.	Dec.
1	.....	155. 25	.....	158. 75	.....	.....	.....	.....	158. 10	.....
2	157. 15	156. 20	.....	158. 80	.....	.....	.....	.....	159. 05	.....
3	157. 15	156. 25	.....	158. 65	.....	.....	.....	.....	159. 10	.....
4	157. 15	156. 25	.....	158. 55	.....	.....	.....	163. 05	159. 40	.....
5	157. 15	156. 55	.....	161. 60	.....	.....	.....	163. 70	159. 65	.....
6	157. 05	156. 45	.....	163. 20	.....	.....	.....	164. 05	159. 55	.....
7	157. 25	156. 35	.....	160. 95	.....	.....	.....	164. 45	160. 05	166. 80
8	157. 45	156. 35	.....	160. 35	.....	160. 75	.....	163. 15	160. 25	166. 55
9	157. 15	156. 70	.....	161. 15	.....	159. 95	169. 10	163. 85	161. 10	166. 55
10	156. 75	156. 70	.....	159. 40	.....	159. 95	168. 90	161. 45	161. 65	164. 05
11	156. 65	156. 85	.....	159. 20	.....	159. 95	167. 70	161. 85	162. 85	165. 50
12	156. 65	156. 85	.....	161. 80	.....	159. 30	166. 15	163. 45	165. 25	.....
13	156. 75	156. 95	.....	163. 70	.....	158. 10	165. 75	161. 25	.....	.....
14	156. 75	157. 05	.....	164. 30	.....	157. 95	165. 20	162. 35	.....	.....
15	156. 55	157. 05	.....	161. 20	.....	.....	164. 85	160. 85	.....	.....
16	156. 55	160. 65	.....	159. 80	.....	.....	164. 25	160. 85	.....	.....
17	156. 70	162. 45	.....	159. 40	.....	156. 95	163. 60	161. 15	.....	.....
18	156. 70	163. 45	.....	159. 40	.....	156. 65	163. 75	159. 85	.....	.....
19	156. 75	163. 90	.....	159. 85	.....	156. 30	163. 75	158. 20	.....	.....
20	156. 75	163. 90	.....	.....	.....	157. 05	.....	157. 00	.....	.....
21	156. 75	164. 10	.....	163. 20	.....	157. 30	.....	156. 80	.....	.....
22	156. 90	164. 35	.....	.....	.....	157. 55	.....	157. 15	.....	.....
23	157. 00	164. 90	.....	.....	.....	156. 80	.....	.....	.....	.....
24	155. 85	164. 95	.....	.....	.....	156. 70	.....	.....	.....	.....
25	154. 95	.....	.....	.....	.....	156. 55	.....	.....	.....	.....
26	155. 45	.....	.....	.....	.....	156. 65	.....	.....	.....	.....

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1945

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Oct.	Nov.	Dec.
27	155.35	.....	.....	.....	.....	158.05	.....	.....	.....	.....
28	.....	.....	.....	.....	.....	156.85	.....	.....	.....	.....
29	.....	.....	157.80	.....	.....	156.60	.....	157.65	.....	.....
30	.....	.....	158.45	.....	.....	153.65	.....	157.35	.....	.....
31	154.65	.....	158.55	.....	.....	.....	.....	157.15	.....	.....

Daily lowest water level, above mean sea level, from recorder graph, 1946

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	165.55	154.85	.....	.....	.....	166.35	164.55	155.60	.....
2	.....	.....	.....	164.25	155.45	.....	.....	.....	165.85	166.60	155.55	.....
3	166.55	.....	.....	163.35	155.40	.....	.....	.....	163.80	168.20	155.55	.....
4	166.55	.....	.....	163.55	157.20	.....	.....	.....	163.45	165.60	154.85	.....
5	168.05	.....	.....	165.90	.....	.....	.....	.....	163.05	163.65	156.05	.....
6	168.70	.....	165.85	167.00	.....	.....	.....	.....	162.05	162.95	156.05	162.95
7	169.15	.....	164.50	167.75	.....	.....	.....	.....	160.95	161.75	157.85	162.95
8	169.45	.....	159.25	164.20	.....	.....	.....	.....	160.50	161.85	157.05	163.00
9	169.45	.....	160.20	163.55	.....	.....	.....	164.20	160.40	161.50	158.40	163.15
10	169.55	.....	162.15	162.75	.....	.....	.....	163.20	159.00	161.10	160.40	160.80
11	167.65	.....	164.20	163.05	.....	.....	.....	162.75	158.80	161.05	157.30	162.00
12	166.35	.....	164.30	163.00	.....	.....	.....	163.40	159.05	161.05	157.45	.....
13	167.05	169.45	164.45	163.70	.....	.....	.....	164.50	159.60	161.00	159.95	.....
14	.....	169.50	164.50	164.05	.....	.....	.....	166.45	159.80	161.00	160.95	163.80
15	.....	169.30	164.45	163.35	.....	.....	.....	166.65	160.55	161.10	161.20	163.80
16	.....	.....	164.50	162.35	.....	.....	.....	166.70	161.05	161.10	161.20	163.35
17	.....	.....	164.40	162.00	.....	.....	.....	166.75	159.05	161.50	161.45	163.15
18	.....	.....	165.25	161.85	.....	.....	.....	166.85	157.80	161.70	161.75	163.00
19	.....	.....	164.75	161.75	.....	.....	159.20	166.95	.....	161.75	160.25	162.75
20	.....	.....	164.55	161.35	.....	.....	.....	163.50	.....	163.70	160.15	162.85
21	.....	.....	164.55	161.10	.....	165.60	.....	164.50	.....	162.55	163.15	163.00
22	.....	.....	164.70	161.70	168.75	165.25	.....	167.15	.....	159.80	163.95	163.05
23	.....	.....	165.05	.....	169.20	165.25	.....	168.05	.....	157.90	164.15	163.05
24	.....	.....	.....	.....	169.90	.....	.....	168.35	.....	157.20	164.00	163.10
25	.....	.....	.....	158.85	.....	.....	.....	168.55	160.95	156.75	160.85	163.15
26	.....	.....	.....	157.15	.....	.....	.....	168.25	160.90	156.65	.....	163.70
27	.....	.....	.....	155.75	170.10	.....	.....	168.30	160.65	156.60	.....	163.85
28	.....	.....	.....	155.45	169.40	.....	.....	168.40	160.65	156.60	.....	164.25
29	.....	.....	165.05	155.30	169.60	.....	.....	168.35	162.15	156.70	.....	164.15
30	.....	.....	164.85	154.85	169.90	.....	.....	168.30	165.50	156.70	.....	163.75
31	.....	.....	164.95	.....	.....	.....	.....	164.90	.....	156.40	.....	163.35

Daily lowest water level, above mean sea level, from recorder graph, 1947

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	163.25	.....	161.85	160.90	.....	164.40	.....	160.25	158.90	153.65	152.15	.....
2	163.00	.....	162.35	161.55	.....	162.65	.....	159.90	.....	153.45	153.05	.....
3	162.60	.....	166.25	.....	.....	161.20	.....	157.40	.....	151.95	152.55	.....
4	162.30	.....	162.95	.....	.....	161.45	.....	.....	.....	152.30	.....	152.95
5	162.50	.....	161.95	.....	.....	160.90	.....	.....	.....	153.85	.....	152.75
6	162.05	.....	161.65	.....	.....	160.65	.....	.....	.....	153.75	.....	152.25
7	163.95	.....	161.65	.....	.....	160.60	.....	.....	.....	153.95	.....	152.15
8	166.25	.....	164.00	.....	.....	164.15	.....	.....	.....	154.05	.....	152.40
9	166.85	.....	163.75	.....	160.75	162.95	.....	.....	.....	153.95	.....	152.20
10	163.95	.....	164.75	.....	160.60	161.85	.....	.....	.....	153.85	.....	152.20
11	164.75	.....	166.25	.....	160.60	161.55	.....	.....	.....	153.90	161.10	152.25
12	167.10	.....	167.55	.....	159.90	158.65	.....	.....	.....	154.05	.....	152.10
13	165.15	.....	168.15	.....	158.35	158.65	.....	.....	150.40	154.10	160.65	151.95
14	163.85	.....	.....	.....	158.30	160.05	.....	.....	151.40	154.70	159.70	151.90
15	163.85	.....	.....	.....	160.85	161.55	.....	.....	151.70	154.20	156.40	151.95
16	165.80	.....	.....	.....	160.10	162.95	.....	.....	151.75	154.00	155.10	152.20
17	162.40	.....	.....	.....	160.10	162.10	.....	.....	151.60	153.85	154.75	153.85
18	161.85	.....	.....	.....	161.30	161.85	.....	.....	151.55	153.85	154.20	153.05
19	162.40	.....	.....	.....	.....	165.45	.....	.....	152.10	153.85	153.60	152.90
20	163.65	162.35	.....	.....	.....	162.25	.....	.....	153.15	154.80	153.60	153.00
21	162.00	162.85	160.15	.....	.....	162.25	.....	.....	153.30	154.35	152.95	152.95
22	.....	163.35	160.10	.....	.....	163.60	.....	159.20	153.70	154.30	152.55	153.10
23	.....	163.35	160.25	.....	.....	162.85	.....	158.95	153.75	153.90	152.60	153.15
24	161.60	163.15	160.30	.....	.....	162.65	.....	158.85	153.60	153.45	154.70	153.40
25	161.70	162.40	160.30	.....	.....	162.35	.....	157.60	153.40	153.45	156.20	153.70
26	161.70	162.45	159.90	.....	.....	161.40	.....	156.00	153.35	153.50	154.25	153.30
27	163.30	162.55	159.55	.....	.....	159.25	.....	156.65	153.35	153.50	153.85	153.25
28	162.05	162.00	159.50	.....	155.35	.....	.....	158.25	153.35	152.65	153.85	153.30

25. 15. 7. 5. 9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1947

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
29	161.35		159.55	.....	155.30	.....	161.20	156.50	153.65	.....	154.15	153.55
30	.....		159.75	.....	155.85	.....	160.40	156.70	153.70	151.75	155.60	.....
31	.....		160.00	.....	162.20	.....	160.25	158.30	.....	151.90	.....	.....

Daily lowest water level, above mean sea level, from recorder graph, 1948

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	153.15	154.55	154.50	153.80	156.80	.....	156.90	.....	.....	153.70	151.00
2	.....	153.25	154.55	154.65	153.60	155.35	.....	155.30	.....	.....	153.70	150.25
3	.....	153.35	154.60	154.40	153.60	154.80	.....	154.80	.....	.....	154.25	149.40
4	.....	153.25	154.20	154.40	.....	155.35	.....	155.75	.....	155.35	155.75	149.35
5	.....	153.15	153.85	154.85	.....	156.85	.....	155.15	.....	154.60	154.90	150.85
6	.....	153.15	153.85	156.15	152.40	159.00	.....	154.80	.....	153.95	154.90	152.95
7	.....	153.15	154.10	155.20	152.75	157.15	.....	154.75	.....	.....	155.85	153.65
8	.....	153.15	154.50	154.85	153.90	156.40	.....	154.50	.....	.....	154.50	152.10
9	.....	.....	154.45	154.75	153.85	156.65	.....	154.50	.....	.....	154.55	.....
10	165.95	.....	154.40	154.65	153.55	156.80	.....	154.50	.....	.....	155.75	.....
11	166.10	.....	154.35	155.05	151.10	156.70	.....	154.50	.....	.....	154.85	.....
12	161.75	.....	154.25	155.85	150.95	156.70	.....	154.55	.....	.....	154.05	.....
13	158.25	153.10	154.20	155.35	152.30	159.60	.....	156.25	.....	.....	153.70	.....
14	155.80	153.40	154.25	155.45	154.10	156.65	.....	155.90	.....	.....	153.40	.....
15	154.75	153.40	154.25	155.05	154.05	156.65	.....	155.15	.....	152.05	153.35	.....
16	154.45	153.40	154.40	155.00	154.05	159.60	.....	155.00	.....	152.05	153.15	.....
17	154.40	153.65	154.25	155.00	154.30	157.10	.....	154.55	152.95	152.15	153.15	.....
18	154.45	153.80	154.15	154.75	.....	155.60	.....	154.35	153.30	152.35	152.75	.....
19	154.00	153.80	154.15	155.15	.....	155.00	.....	154.25	153.65	153.15	152.75	.....
20	153.70	153.85	154.40	155.10	.....	159.20	154.45	153.90	153.65	154.15	152.95	.....
21	153.70	153.85	154.40	154.65	153.95	156.90	154.50	153.90	153.45	153.75	153.45	.....
22	153.55	154.05	154.65	154.35	154.00	155.70	154.65	154.40	153.35	153.75	153.45	.....
23	153.10	156.20	154.55	154.20	154.00	155.55	154.40	155.85	153.25	154.05	153.45	.....
24	153.10	155.00	154.40	154.20	154.05	157.40	154.00	155.00	.....	155.75	153.45	.....
25	153.15	154.60	154.10	154.25	154.35	156.50	153.85	154.65	.....	153.45	153.40	.....
26	153.25	154.40	154.10	154.80	155.10	155.85	154.00	153.50	.....	152.75	151.55	.....
27	153.40	154.10	154.25	154.00	154.95	155.55	157.90	153.50	.....	153.55	150.00	.....
28	153.35	154.10	154.35	154.00	156.85	155.50	158.95	153.80	.....	154.55	149.30	.....
29	153.35	154.40	154.35	154.05	155.20	154.15	.....	153.80	.....	153.90	149.30	.....
30	153.20	.....	.....	154.15	155.05	154.15	154.25	153.80	.....	154.25	150.70	.....
31	153.15	.....	.....	.....	159.45	.....	154.15	154.10	.....	155.85	.....	.....

Daily lowest water level, above mean sea level, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	149.65	159.75	165.95	152.30	.....	153.75	149.95	151.25	149.40	149.50	150.90	146.95
2	149.70	159.75	165.70	151.35	.....	153.15	150.10	150.65	149.35	149.00	150.65	147.25
3	151.90	.....	165.60	154.25	.....	152.50	151.05	150.10	149.70	149.45	150.65	147.45
4	151.95	.....	165.55	156.30	.....	.....	151.10	150.35	149.15	148.75	151.20	147.50
5	156.75	.....	165.65	156.95	.....	.....	151.10	149.60	149.30	148.45	151.15	148.30
6	160.05	.....	165.80	157.05	.....	.....	151.20	149.10	148.85	148.15	151.15	149.15
7	161.75	.....	165.65	156.00	.....	.....	152.35	151.10	148.60	148.05	151.25	149.75
8	161.05	.....	.....	155.45	.....	.....	151.45	150.90	148.60	148.05	150.35	149.40
9	160.85	.....	.....	156.05	.....	.....	150.75	150.55	148.35	149.95	149.65	149.35
10	160.35	.....	165.75	157.10	.....	149.65	150.75	149.60	148.35	151.35	150.10	149.55
11	159.45	163.45	165.75	.....	.....	149.95	151.75	149.40	149.20	151.25	150.80	149.65
12	159.55	.....	165.80	.....	.....	150.75	151.00	149.35	147.05	151.20	150.45	149.65
13	159.80	.....	165.90	.....	154.85	150.95	152.50	149.40	146.95	151.05	150.40	149.30
14	161.05	.....	166.05	.....	156.30	151.10	151.25	150.00	148.20	151.05	150.60	149.20
15	160.75	.....	165.95	.....	157.05	151.70	150.60	150.05	148.50	150.80	150.50	149.45
16	163.10	.....	165.85	.....	157.35	152.40	150.60	150.95	148.60	150.75	150.25	149.05
17	160.25	.....	.....	.....	157.25	152.45	150.85	152.50	146.65	150.75	150.75	149.05
18	158.35	165.05	.....	.....	157.20	152.25	151.25	152.30	149.45	150.75	150.75	149.55
19	157.50	165.05	.....	.....	.....	151.75	150.95	150.70	148.75	150.50	149.25	149.90
20	157.15	165.45	.....	.....	.....	151.75	150.75	150.55	146.35	150.20	148.90	149.90
21	157.85	165.45	.....	.....	.....	151.60	150.75	149.95	145.50	150.15	148.60	149.85
22	157.60	165.45	.....	.....	.....	151.35	150.55	149.65	145.25	150.20	148.10	151.30
23	157.45	165.75	.....	.....	.....	151.35	150.30	149.35	145.00	150.85	148.25	.....
24	159.00	165.05	.....	.....	.....	151.30	150.55	149.05	145.20	151.05	148.25	.....
25	157.55	165.20	157.85	.....	.....	151.75	150.30	148.80	145.45	150.75	149.55	.....
26	157.75	165.35	157.85	.....	.....	151.35	149.95	149.05	145.90	150.75	149.05	.....
27	159.65	165.55	157.95	.....	.....	151.05	149.85	149.05	145.80	150.75	148.95	.....
28	159.45	165.85	158.25	.....	155.95	150.65	149.85	149.45	145.65	150.80	148.35	.....
29	158.85	.....	158.00	.....	156.25	150.25	149.90	149.80	145.75	150.85	148.70	151.50
30	160.05	.....	157.90	.....	156.45	150.10	149.95	150.85	147.70	150.85	149.05	150.10
31	162.60	.....	157.85	.....	155.45	.....	150.10	.....	.....	151.05	.....	150.05

25.15.7.5.9--Continued.

Daily lowest water level, above mean sea level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	150.25	.....	161.75	163.65	158.35	157.70	150.45	.....	.....	150.75	145.45	164.35
2	151.25	.....	162.35	163.60	157.95	157.50	150.45	.....	.....	150.75	143.45	160.15
3	151.60	157.35	.....	163.60	157.75	157.50	150.85	.....	.....	150.70	143.05	154.75
4	153.55	157.35	.....	163.40	157.55	157.90	153.05	.....	.....	150.50	146.20	154.45
5	158.35	156.75	.....	163.35	156.05	158.20	152.30	.....	.....	150.35	148.65	152.30
6	155.55	156.75	162.65	163.15	156.65	158.10	152.70	.....	.....	150.30	150.15	151.25
7	153.95	156.35	162.60	163.10	157.55	158.05	153.05	.....	151.35	150.15	151.60	151.10
8	153.35	155.05	162.60	163.15	157.80	158.05	151.30	.....	150.85	150.15	149.75	151.10
9	153.40	155.00	162.85	163.65	157.70	157.95	153.00	.....	150.60	150.85	149.45	151.45
10	153.35	155.75	165.30	163.05	157.30	157.75	153.85	.....	150.60	150.05	149.10	151.50
11	154.95	156.15	164.80	163.35	156.15	157.65	153.80	.....	151.70	149.60	149.05	152.10
12	155.20	156.55	164.45	164.00	156.80	157.50	153.10	.....	152.15	149.55	149.55	152.50
13	155.05	157.00	164.45	163.95	157.40	157.30	151.55	.....	151.55	149.40	159.75	151.15
14	155.40	157.15	165.70	163.85	157.40	157.30	151.20	.....	152.35	149.40	149.60	151.45
15	156.65	157.25	164.35	162.35	157.45	157.30	151.30	.....	151.80	149.40	149.55	151.70
16	156.05	158.35	163.95	.....	157.35	157.25	151.90	.....	151.25	150.30	149.55	152.05
17	155.60	159.10	163.45	.....	157.25	157.20	151.85	151.00	152.45	149.70	149.35	153.15
18	155.25	157.90	163.15	.....	156.15	157.15	151.35	151.15	152.25	.....	149.30	153.10
19	154.90	157.45	163.05	160.25	157.20	157.20	151.25	151.00	152.40	149.65	149.30	152.50
20	154.65	156.30	163.05	160.05	157.35	157.20	151.55	150.95	152.65	149.35	149.70	152.35
21	154.65	153.95	163.05	159.85	157.60	157.05	151.70	152.30	152.30	149.05	149.65	152.05
22	155.15	155.20	164.05	159.65	157.80	156.90	151.20	152.35	152.55	149.05	149.45	152.00
23	155.45	155.65	164.25	159.70	157.75	156.85	153.40	153.55	152.55	149.15	149.15	152.00
24	154.05	155.55	163.60	160.10	157.75	156.85	152.40	152.75	154.55	149.50	149.15	152.35
25	153.15	154.85	163.50	160.20	157.80	157.05	151.85	154.50	152.15	149.35	149.30	152.35
26	153.00	155.35	163.65	160.05	157.70	153.35	151.50	152.90	151.40	148.95	.....	152.40
27	153.60	155.95	163.35	159.90	157.45	150.05	151.05	152.65	150.85	148.95	.....	.....
28	153.55	160.15	161.95	159.90	157.45	149.05	150.60	152.30	150.65	149.00	.....	.....
29	154.05	.....	161.55	159.30	157.60	150.70	.....	151.75	150.55	149.10	.....	.....
30	.....	.....	162.60	158.65	157.65	150.40	.....	152.25	150.55	149.35	.....	.....
31	.....	.....	163.75	.....	157.75	.....	.....	.....	.....	149.45	.....	.....

e Estimated.

Middlesex County

Runyon area

29.1.4.6.8. Clyde Bowne. Browntown test well. Highest water level 28.14 above mean sea level, Apr. 9, 10, 1939; lowest 21.83 above mean sea level, Nov. 18, 1932. Records available: 1932-50.

Water level at end of day, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.16	23.01	.....	24.34	24.28	.....	.....	23.76	23.74	23.59	23.27	23.21
2	23.16	23.00	.....	24.35	24.28	.....	24.10	23.75	23.73	23.59	23.26	23.21
3	23.15	23.00	.....	24.36	24.28	24.28	24.08	23.74	23.73	23.59	23.25	23.24
4	23.15	22.99	23.67	24.37	24.28	24.29	24.06	23.74	.....	23.58	23.24	23.29
5	23.14	22.99	23.67	24.37	24.28	24.30	24.05	23.74	.....	23.57	23.23	23.31
6	23.14	22.99	23.67	24.37	24.30	24.30	24.04	23.75	23.72	23.56	23.22	23.31
7	23.13	22.99	23.66	24.37	24.30	24.30	24.02	23.75	23.72	23.56	23.21	23.35
8	23.12	22.99	23.66	24.36	24.30	24.30	24.00	23.75	23.72	23.56	23.19	.....
9	.....	22.99	23.66	24.36	24.30	24.30	.....	23.75	23.71	23.55	23.19	.....
10	.....	22.99	23.66	.....	24.30	24.30	23.90	23.75	23.71	23.54	23.18	.....
11	.....	22.98	23.65	.....	24.30	24.30	23.90	23.75	23.70	23.54	23.16	.....
12	.....	22.98	23.65	.....	24.30	24.30	23.90	23.75	23.70	23.53	23.15	.....
13	.....	22.98	23.65	.....	24.30	24.30	23.90	23.75	.....	23.52	23.14	.....
14	.....	22.92	23.65	24.33	24.30	24.29	23.89	23.75	.....	23.51	23.13	.....
15	23.08	23.28	23.65	.....	24.30	24.29	23.89	23.75	.....	23.50	23.12	.....
16	23.08	23.43	23.65	24.33	24.30	24.29	23.89	23.75	23.68	23.48	23.10	.....
17	23.07	23.49	23.65	24.33	24.30	24.29	23.83	23.74	23.68	23.47	23.10	.....
18	23.07	23.52	23.69	24.32	24.30	24.28	23.83	23.74	23.67	23.46	23.09	.....
19	23.06	23.59	23.69	24.32	24.30	24.28	23.83	23.73	23.66	23.45	23.08	23.52
20	23.06	.....	.....	24.31	24.30	24.27	23.83	23.73	23.66	23.44	23.07	23.64
21	23.05	.....	.....	24.29	24.30	24.27	23.83	23.74	23.66	.....	23.06	23.74
22	23.04	.....	.....	24.29	.....	24.26	23.83	23.74	23.65	.....	23.05	23.82
23	23.04	.....	.....	24.29	.....	24.25	23.82	23.73	23.64	23.41	23.04	23.82
24	23.04	.....	24.05	24.29	.....	24.24	23.82	23.73	23.64	23.41	23.03	23.84
25	23.03	23.69	24.06	24.29	24.29	24.23	23.82	23.73	23.63	23.40	23.03	23.84
26	23.03	23.69	24.06	24.29	24.29	24.22	23.81	23.73	23.62	23.39	23.03	23.83
27	23.02	.....	24.15	24.29	24.29	24.21	23.81	23.73	23.61	23.38	23.19	23.82

29. 1. 4. 6. 8--Continued.

Water level at end of day, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
28	23.02	.....	24.27	24.28	24.29	24.19	23.80	23.73	23.61	.....	.....	23.82
29	23.01		24.31	24.28	24.29	24.17	23.79	23.73	23.60	23.33	.....	23.82
30	23.01		24.31	24.28	24.29	.....	23.78	23.73	23.60	23.28	22.20	.....
31	23.01		24.32		24.29		23.77	23.74		23.28		23.85

28. 5. 4. 8. 1. Duhernal observation well 1. Highest water level 7.67 above mean sea level, July 31, 1945; lowest 3.74 above mean sea level, Dec. 31, 1949. Records available: 1938-50.

Water level at end of day, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.74	....	4.98	4.99	5.17	5.03	4.83	4.74	5.01	4.76	4.53	4.72
2	3.74	3.97	4.97	5.04	5.18	5.03	4.81	4.71	5.01	4.74	4.51	4.74
3	3.76	3.98	4.94	5.07	5.17	5.02	4.78	4.79	5.02	4.72	4.51	4.76
4	3.74	3.98	4.94	5.10	5.17	4.99	4.76	4.82	5.01	4.70	4.54	4.81
5	3.72	3.99	4.98	5.12	5.16	4.96	4.74	4.82	4.99	4.68	4.50	4.83
6	3.75	4.02	4.95	5.14	5.14	4.93	4.72	4.83	4.99	4.67	4.48	4.92
7	....	4.04	4.97	5.19	5.09	4.90	4.71	4.84	4.97	4.68	4.48	....
8	....	4.05	5.01	5.24	5.03	4.87	4.69	4.84	4.95	4.70	4.49	....
9	....	4.07	4.92	5.25	5.00	4.86	4.67	4.80	4.95	4.72	4.52	....
10	....	4.09	4.85	5.27	4.98	4.85	4.73	4.79	4.96	4.74	4.53	....
11	3.72	4.12	4.83	5.29	4.96	4.83	4.75	4.78	5.00	4.80	4.53	....
12	3.72	4.14	4.82	5.29	4.95	4.82	4.74	4.79	5.05	4.80	4.53	5.24
13	3.75	4.17	4.80	5.30	4.95	4.81	4.73	4.80	5.11	4.74	4.50	5.24
14	3.75	4.25	4.83	5.30	4.95	4.82	4.72	4.80	5.13	4.71	4.47	5.25
15	3.74	4.32	4.80	5.30	4.96	4.83	4.73	4.81	5.13	4.70	4.43	5.28
16	3.76	4.39	4.81	5.30	4.97	4.84	4.75	4.81	5.09	4.68	4.42	5.31
17	3.76	4.45	4.85	5.30	4.95	4.82	4.78	4.81	5.06	4.67	4.40	5.34
18	3.79	4.52	4.76	5.29	4.95	4.81	4.79	4.82	5.03	4.61	4.38	5.36
19	....	4.60	4.73	5.28	4.96	4.82	4.79	4.83	5.00	4.60	4.36	5.35
20	....	4.67	4.73	5.27	4.96	4.83	4.79	4.89	4.97	4.58	4.35	5.35
21	....	4.75	4.77	5.24	4.94	4.80	4.79	4.91	4.96	4.58	4.33	5.35
22	....	4.82	4.84	5.20	4.93	4.78	4.78	4.92	4.99	4.58	4.30	5.35
23	....	4.88	4.88	5.18	4.91	4.77	4.77	4.92	4.97	4.62	4.30	5.35
24	....	4.92	4.86	5.15	4.90	4.77	4.78	4.93	4.94	4.66	4.33	5.34
25	....	4.94	4.84	5.15	4.89	4.77	4.78	4.94	4.91	4.67	4.64	5.29
26	....	4.96	4.83	5.12	4.89	4.79	4.76	4.95	4.88	4.63	4.72	5.26
27	3.89	4.95	4.87	5.11	4.90	4.80	4.76	4.97	4.85	4.61	4.77	5.24
28	....	4.98	4.88	5.11	4.92	4.81	4.77	4.98	4.83	4.60	....	5.26
29	....		4.90	5.12	4.95	4.82	4.77	4.98	4.81	4.58	4.74	5.26
30	....		4.87	5.14	4.98	4.83	4.77	5.00	4.79	4.56	4.72	5.23
31	....		4.92		5.00		4.75	5.00		4.55		5.22

28. 5. 4. 8. 7. Duhernal observation well 2. Highest water level 15.65 above mean sea level, Apr. 11, 1939; lowest 8.84 above mean sea level, Dec. 10, 1941. Records available: 1938-42, 1944, 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	7.99	Feb. 21	9.26	June 13	10.19	July 25	9.98
10	7.89	28	10.74	20	10.11	Aug. 1	9.74
17	8.09	Mar. 7	9.81	27	10.04	8	10.04
24	8.14	14	9.75	July 4	9.79	15	9.99
31	8.18	21	9.87	11	9.79	22	10.12
Feb. 7	8.29	28	10.16	18	10.00	29	10.21
14	8.64	June 6	10.25				

28. 4. 9. 3. 5. Duhernal observation well 4. Highest water level 11.75 above mean sea level, Apr. 20, 1949; lowest 2.42 below mean sea level, Dec. 16, 18, 19, 1948. Records available: 1938-50.

Water level at end of day, above and below msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	+0.71	+1.35	+1.85	+2.75	+2.80	+1.80	2.95	3.85	2.70	4.30	4.05	0.50
2	+.85	+1.55	+1.70	+2.95	+3.35	+2.00	2.90	3.70	2.50	4.05	3.10	.20
3	+.90	+1.30	+1.60	+2.55	+3.50	+1.85	3.30	3.80	2.75	4.35	3.30	.30
4	+.95	+1.75	+1.80	+2.15	+2.70	+2.15	3.15	3.20	2.75	4.25	2.35	.45
5	+1.05	+1.95	+2.25	+1.60	+2.65	+3.35	3.40	2.95	2.75	4.15	2.05	+0.00
6	+1.10	+2.05	+1.85	+2.45	+2.90	.40	3.55	2.95	2.90	4.40	1.65	.10
7	+1.15	+2.05	+1.65	+2.70	+3.30	.95	3.50	2.75	2.50	4.45	1.40	+.50
8	+1.30	+2.15	+1.50	+2.05	+.70	1.30	3.50	2.90	2.35	4.50	1.30	+.20

28.4.9.3.5--Continued.

Water level at end of day, above and below msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
9	+0.60	+1.95	+1.45	+2.60	+0.55	1.60	3.45	2.80	2.45	4.40	2.25	+0.55
10	+1.05	+2.00	+1.40	+2.20	.15	1.80	3.30	2.65	2.80	4.50	2.20	+ .85
11	+1.20	+2.20	+1.55	+2.15	.40	1.05	3.25	2.80	2.95	4.25	1.40	+ .70
12	+1.30	+2.35	+1.70	+2.85	+ .75	1.55	3.35	2.80	2.50	3.70	.90	+ .35
13	+1.35	+2.15	+1.45	+2.85	+1.95	2.05	3.25	3.10	2.50	3.35	1.40	+ .55
14	+ .85	+1.95	+1.90	+2.75	+2.15	2.20	3.35	3.05	2.75	2.80	2.65	+ .85
15	+1.35	+2.35	+2.10	+2.55	+1.75	2.40	3.05	3.20	2.55	2.00	2.70	+ .80
16	+1.35	+1.85	+2.05	+2.50	.....	2.60	2.90	3.30	2.35	1.90	2.80	+ .80
17	+1.50	+2.45	+2.20	+2.30	+1.50	1.65	2.60	3.20	2.65	2.65	3.25	+ .80
18	+1.20	+2.75	+2.45	+2.20	+1.40	.35	2.45	3.25	2.85	3.10	3.55	+1.10
19	+1.35	+2.90	+2.50	+3.00	+1.85	.30	2.75	3.10	3.15	3.10	2.20	.30
20	+1.35	+2.90	+2.50	+2.85	+1.50	1.55	2.85	3.05	3.35	2.55	3.05	+ .10
21	+ .85	+3.00	+2.00	+2.65	+2.40	2.20	3.00	2.75	3.45	1.65	3.30	+ .00
22	+ .80	+2.45	+2.60	+3.10	+ .45	2.25	3.10	2.55	3.50	1.10	2.45	.15
23	+1.05	+2.75	+1.95	+3.35	.25	2.50	2.95	2.55	3.65	2.65	1.70	+ .65
24	+1.00	+2.15	+1.85	+2.70	.80	2.45	3.20	2.70	3.45	3.10	2.50	+1.15
25	+1.05	+2.30	+2.50	+2.70	.95	2.60	3.15	2.55	3.65	3.45	1.40	+1.60
26	+1.00	+2.25	+2.65	+2.40	.70	2.70	3.25	2.60	3.80	3.85	.60	+1.50
27	+1.00	+2.40	+2.75	+2.40	+ .40	2.75	3.30	2.55	3.90	2.95	1.15	+ .50
28	+ .55	+2.05	+2.00	+2.50	+1.05	3.00	3.55	2.90	3.95	1.95	.60	.50
29	+ .95		+2.05	+3.35	+1.05	3.05	3.40	2.90	4.00	1.70	.50	+ .70
30	+1.35		+1.95	+2.90	+1.75	3.10	3.65	2.55	4.10	3.05	1.15	+1.00
31	+ .75		+1.85		+1.40		3.70	2.90		3.65		+1.55

28.5.7.1.5. Duhernal observation well 5. Highest water level 14.94 above mean sea level, Apr. 7, 8, 1939; lowest 0.74 above mean sea level, Dec. 14, 1949. Records available: 1939-50.

Water level at end of day, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.89	2.04	5.20	5.39	5.63	5.14	3.55	3.44	4.14	3.03	2.13	2.46
2	....	2.09	5.08	5.43	5.61	5.20	3.48	3.42	4.12	2.98	2.07	2.52
3	1.99	2.15	5.07	5.50	5.56	5.25	3.40	3.70	4.13	2.98	2.03	2.58
4	1.99	2.21	5.19	5.52	5.55	5.20	3.33	3.84	4.06	2.86	2.01	2.61
5	2.00	2.30	5.35	5.46	5.52	5.19	3.28	3.92	4.02	2.79	1.99	2.70
6	1.94	2.39	5.12	5.41	5.50	5.14	3.28	....	....	2.75	1.99	2.77
7	1.99	2.42	5.13	5.48	5.47	5.15	3.30	....	4.22	2.72	2.00	2.83
8	1.99	2.51	5.11	5.51	5.45	5.15	3.21	3.99	4.14	2.67	1.99	3.03
9	1.97	2.57	4.83	5.54	5.51	5.17	3.10	3.97	4.11	2.75	1.99	3.13
10	1.92	2.68	4.82	5.59	5.47	5.13	3.31	3.97	4.07	2.79	1.97	3.31
11	1.88	2.77	4.93	5.57	5.43	5.10	3.37	3.98	4.03	2.88	1.95	3.36
12	1.91	2.88	4.94	5.54	5.47	5.07	3.40	3.98	4.00	2.83	1.94	3.40
13	1.92	2.98	4.94	5.51	5.40	5.00	3.46	3.97	4.08	2.72	1.94	3.47
14	1.90	3.19	4.87	5.43	5.38	4.93	3.49	3.94	4.09	2.61	1.91	3.54
15	1.95	3.36	4.83	5.50	5.34	4.87	3.54	3.94	4.05	2.51	1.88	3.66
16	1.90	3.52	4.92	5.60	5.24	4.86	3.67	3.90	3.98	2.46	1.85	3.67
17	1.92	3.68	5.00	5.58	5.20	4.70	3.79	3.85	3.96	2.46	1.81	3.76
18	1.87	3.88	4.76	5.47	5.19	4.69	3.82	3.82	3.88	2.43	1.77	3.83
19	1.85	....	5.08	5.48	5.20	4.63	3.83	3.89	3.80	2.40	1.73	3.87
20	1.82	....	5.07	5.45	5.16	4.55	3.83	3.96	3.74	2.31	1.70	3.92
21	1.84	4.54	4.80	5.36	5.11	4.47	3.83	4.02	3.70	2.26	1.63	3.97
22	1.90	4.71	5.00	5.46	5.12	4.43	3.84	4.07	3.66	2.23	1.65	4.01
23	1.89	4.68	4.94	5.54	5.16	4.37	3.84	4.09	3.54	2.25	1.62	4.02
24	1.84	4.80	4.94	5.49	5.14	4.30	3.84	4.10	3.47	2.35	1.62	4.16
25	1.83	4.99	4.91	5.48	5.12	4.22	3.83	4.10	3.40	2.34	1.86	4.32
26	1.81	5.10	5.04	5.34	5.12	4.16	3.78	4.09	3.32	2.31	2.12	4.21
27	1.79	5.10	5.28	5.32	5.09	4.00	3.77	4.09	3.28	2.29	2.22	4.25
28	1.82	5.29	5.18	5.44	5.10	3.90	3.73	4.07	3.21	2.26	2.32	4.25
29	1.89		5.20	5.48	5.15	3.79	3.64	4.06	3.16	2.24	2.39	4.21
30	1.94		5.19	5.61	5.19	3.68	3.53	4.06	3.11	2.20	2.44	4.20
31	1.98		5.25		5.20		3.48	4.11		2.16		4.10

28.4.9.5.1. Duhernal observation well 9. Highest water level 14.85 above mean sea level, June 1, 1940; lowest 8.45 above mean sea level, Sept. 29, Oct. 13, 14, 1943. Records available: 1939-44, 1950.

28.4.9.5.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	10.65	Feb. 21	10.95	June 13	10.51	July 25	10.80
10	10.20	28	10.06	20	10.37	Aug. 1	10.34
17	10.18	Mar. 7	10.75	27	10.30	8	11.11
24	10.05	14	11.18	July 4	10.09	15	10.67
31	10.18	21	11.37	11	11.30	22	11.10
Feb. 7	10.35	28	12.04	18	11.77	29	10.63
14	10.88	June 6	10.98				

28.4.9.3.1. Duhermal observation well 11. Highest water level 14.23 above mean sea level, June 1, 1940; lowest 1.90 below mean sea level, Jan. 22, 23, 24, 1943. Records available: 1939-50.

Water level at end of day, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.8	5.0	5.9	6.4	6.7	6.6	...	5.8	6.2	5.5	5.4	5.5
2	5.7	5.7	5.8	6.4	6.7	6.7	...	5.8	6.2	5.5	5.5	5.6
3	5.5	5.7	5.7	6.8	6.7	6.6	...	6.1	6.2	5.6	5.5	5.6
4	5.5	5.7	5.7	6.5	6.6	6.8	...	6.7	...	5.5	5.6	5.6
5	5.5	5.9	5.8	6.4	6.6	6.6	6.1	6.8	5.9	7.0	5.6	5.7
6	5.5	5.9	5.7	6.4	6.5	6.5	6.2	6.8	6.0	6.0	5.7	5.7
7	5.4	5.9	5.6	6.5	6.6	6.3	6.2	6.9	6.0	5.9	5.8	5.8
8	5.4	5.8	5.6	6.4	6.4	6.3	6.2	6.8	6.0	5.8	5.8	5.8
9	5.3	5.8	5.6	6.4	6.4	6.3	6.2	6.8	5.9	5.8	5.8	5.9
10	5.3	5.7	5.6	6.4	6.3	6.3	6.5	6.9	5.9	5.5	5.7	5.8
11	5.3	5.8	5.6	6.4	6.4	6.3	6.6	6.8	5.9	5.5	...	6.1
12	5.3	5.8	5.7	6.5	6.4	6.3	6.6	6.8	6.0	5.5	...	6.2
13	5.3	5.7	5.8	6.5	6.5	6.3	6.7	6.8	6.1	5.4	...	6.3
14	5.2	5.8	5.9	6.5	6.6	6.3	6.7	6.8	6.1	5.4	...	6.3
15	5.3	5.9	6.0	6.6	6.5	6.2	6.7	6.6	6.2	5.5	...	6.1
16	5.3	5.9	6.1	6.6	6.4	6.1	6.8	6.6	6.1	...	...	6.0
17	5.3	5.9	6.1	6.6	6.3	6.1	7.0	6.6	6.0	5.5	...	5.9
18	5.3	5.9	6.1	6.5	6.3	6.2	7.0	6.6	6.0	5.5	...	5.9
19	5.4	6.0	6.1	6.6	6.4	6.2	6.9	6.7	5.8	5.5	...	5.7
20	5.3	5.9	6.1	6.5	6.4	6.1	6.9	6.8	5.8	5.5	...	5.6
21	5.2	6.5	6.1	6.5	6.5	6.1	6.9	6.9	5.8	5.6	...	5.5
22	5.2	6.5	6.3	6.7	6.3	6.0	6.8	6.9	5.9	5.7	...	5.5
23	5.2	6.6	6.2	6.7	6.2	6.0	6.9	6.9	5.7	5.6	...	5.5
24	5.1	6.2	6.2	6.6	6.1	6.0	6.8	6.9	5.7	5.6	5.5	5.6
25	5.1	6.1	6.3	6.6	6.1	6.0	6.8	6.8	5.7	5.6	6.0	6.6
26	5.2	6.1	6.3	6.6	6.2	6.1	6.8	6.8	5.7	5.5	5.9	6.0
27	5.2	5.9	6.4	6.6	6.3	5.9	6.3	6.8	5.6	5.5	5.8	5.8
28	5.2	5.9	6.3	6.7	6.3	5.8	6.1	6.8	5.6	5.6	5.7	5.7
29	5.2		6.4	6.8	6.4	5.8	6.0	6.7	5.6	5.6	5.7	5.8
30	5.8		6.3	6.7	6.6	6.1	5.9	6.5	5.5	5.6	5.6	5.8
31	5.5		6.3		6.6		5.9	6.3		5.5		6.4

28.4.4.2.1. Robert D. Fischer test well. Highest water level 64.12 above mean sea level, Apr. 26-27, 1939; lowest 56.55 above mean sea level, Jan. 28, 1950. Records available: 1936-50.

Water level at end of day, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.61	56.56	57.64	58.05	58.43	58.32	58.22	58.41	58.16	57.79	57.37	57.34
2	56.60	56.59	57.67	58.08	58.43	58.34	58.20	58.40	58.14	57.77	57.36	57.37
3	56.60	56.59	57.69	58.11	58.43	58.36	58.19	58.43	58.13	57.77	57.34	57.39
4	56.59	56.59	57.71	58.14	58.43	58.37	58.18	58.46	58.11	57.75	57.34	57.42
5	56.59	56.59	57.74	58.16	58.43	58.35	58.18	58.44	58.10	57.73	57.33	57.42
6	56.59	56.60	57.75	58.18	58.43	58.33	58.17	58.42	58.08	57.72	57.32	57.49
7	56.59	56.61	57.77	58.21	58.42	58.33	58.16	58.40	58.07	57.70	57.31	57.52
8	56.58	56.63	57.81	58.23	58.40	58.33	58.15	58.39	58.06	57.70	57.30	57.56
9	56.58	56.66	57.80	58.24	58.41	58.34	58.13	58.38	58.04	57.68	57.29	57.58
10	56.59	56.69	57.81	58.26	58.42	58.36	58.33	58.38	58.03	57.67	57.30	57.60
11	56.59	56.71	57.83	58.29	58.41	58.34	58.31	58.38	58.02	57.66	57.28	57.63
12	56.58	56.74	57.84	58.30	58.41	58.33	58.32	58.36	58.01	57.65	57.26	57.66
13	56.58	56.76	57.86	58.32	58.42	58.32	58.33	58.35	58.00	57.62	57.24	57.70
14	56.58	56.80	57.85	58.33	58.41	58.33	58.32	58.34	58.00	57.61	57.22	57.74
15	56.58	56.83	57.86	58.34	58.41	58.32	58.33	58.33	57.99	57.59	57.21	57.78
16	56.58	56.86	57.87	58.35	58.40	58.34	58.35	58.32	57.97	57.58	57.21	57.81
17	56.57	56.93	57.88	58.37	58.39	58.33	58.37	58.31	57.96	57.57	57.19	57.84
18	56.58	57.04	57.86	58.38	58.39	58.33	58.39	58.30	57.95	57.56	57.18	57.87

28. 4. 4. 2. 1--Continued.

Water level at end of day, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19	56.57	57.14	57.84	58.39	58.40	58.33	58.39	58.30	57.94	57.55	57.16	57.89
20	56.56	57.21	57.86	58.40	58.39	58.32	58.40	58.29	57.93	57.53	57.16	57.91
21	56.56	57.26	57.88	58.42	58.38	58.31	58.40	58.28	57.92	57.52	57.15	57.94
22	56.56	57.30	57.89	58.42	58.35	58.30	58.40	58.26	57.92	57.51	57.13	57.96
23	56.56	57.41	57.94	58.43	58.36	58.30	58.40	58.25	57.90	57.50	57.12	57.99
24	56.56	57.46	57.91	58.42	58.36	58.30	58.41	58.23	57.88	57.49	57.11	58.02
25	56.56	57.50	57.89	58.44	58.35	58.29	58.42	.....	57.87	57.47	57.22	58.02
26	56.56	57.54	57.90	58.44	58.34	58.28	58.42	.....	57.85	57.45	57.22	58.04
27	56.56	57.57	57.94	58.43	58.34	58.26	58.42	.....	57.84	57.44	57.21	58.04
28	56.55	57.61	57.97	58.44	58.33	58.25	58.42	.....	57.82	57.42	57.24	58.06
29	56.56		57.99	58.44	58.34	58.24	58.42	.....	57.81	57.41	57.29	58.08
30	56.56		58.00	58.44	58.34	58.23	58.42	.....	57.80	57.40	57.32	58.09
31	56.56		58.02		58.33		58.41	58.18		57.39		58.10

29. 11. 1. 2. 3. Joseph Morrell. Highest water level 75.08 above mean sea level, Mar. 28, 1932; lowest 68.05 above mean sea level, Oct. 6, 1932. Records available: 1923-50. In Water-Supply Paper 944, the July 2 figure should read 73.82 feet above mean sea level. The June 11 figure should read 72.08, and the June 13 figure should read 73.01.

Water level at end of day, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	e73.44	73.98	73.74	e73.97	74.02	74.01	e71.63	e71.46	72.33	72.24	72.89	73.91
2	e73.40	e74.20	73.70	73.90	73.94	73.84	71.53	e71.40	72.27	72.17	72.88	73.88
3	73.37	e74.11	e73.66	73.87	73.97	73.71	71.46	e72.44	72.36	72.13	72.87	73.87
4	73.33	e74.01	e73.63	73.84	73.90	74.11	71.38	e72.68	72.24	72.09	73.12	e73.91
5	73.28	73.97	73.60	73.81	e73.85	73.88	71.34	e73.08	72.10	e72.06	73.43	e73.97
6	73.29	73.97	73.57	73.74	e73.78	73.64	e71.84	73.41	71.98	e72.03	e73.36	e74.05
7	73.39	73.90	73.57	73.72	73.73	73.44	e71.75	73.21	71.87	e71.98	e73.31	e74.10
8	e73.43	e73.94	73.78	e73.67	73.66	73.25	e71.65	72.99	71.82	e71.94	e73.26	e74.06
9	e73.47	e74.00	73.84	73.63	73.62	73.12	e71.58	72.79	71.80	e72.00	e73.19	e74.03
10	e73.66	e74.05	73.77	73.61	73.59	72.98	e71.50	72.65	71.85	72.04	e73.14	74.01
11	e73.80	e74.11	e73.71	73.61	73.54	e72.85	73.13	72.53	71.91	72.07	e73.07	e73.96
12	e73.75	e74.26	e73.85	73.58	e73.50	72.72	73.07	e72.42	e71.92	72.07	e73.02	e73.92
13	e73.72	74.42	e74.01	73.57	e73.45	72.61	73.30	e72.21	71.93	72.11	e72.94	73.89
14	e73.67	74.49	74.14	e73.56	73.41	72.76	73.53	72.10	72.97	e72.09	e72.86	73.87
15	73.65	74.37	74.06	e73.54	73.48	73.06	73.39	71.97	73.04	e72.06	e72.75	73.87
16	73.55	74.23	74.02	73.53	73.61	73.07	e73.80	71.81	72.86	e72.01	e72.68	74.02
17	73.51	74.13	73.98	73.51	73.53	e72.87	74.08	71.75	e72.62	e71.97	e72.57	e74.02
18	73.73	e74.07	73.80	73.49	73.82	72.74	73.83	e71.70	72.44	e71.93	e72.49	e74.01
19	e73.67	e73.96	73.78	73.48	e74.02	72.79	73.58	e72.22	72.48	e71.89	e72.37	e74.01
20	e73.61	e73.86	74.33	73.74	e73.88	72.76	73.44	72.70	72.49	e71.81	e72.28	e74.00
21	e73.56	e73.75	74.55	e73.72	73.78	73.03	73.20	72.76	72.43	e71.73	e73.16	e74.00
22	73.53	e73.80	74.41	e73.69	73.65	e72.88	e73.08	72.72	72.51	72.45	73.40	e74.00
23	73.48	e74.23	e74.35	73.68	73.62	e72.65	e72.86	72.62	72.40	72.89	73.35	e73.99
24	73.47	e74.05	e74.26	73.74	73.60	e72.49	e72.65	72.49	e72.44	72.95	73.34	e73.99
25	e73.54	e73.87	e74.17	73.76	e73.66	72.38	e72.50	e72.36	72.49	72.92	74.45	e73.98
26	e73.67	e73.80	e74.06	73.83	e73.75	72.22	72.39	e72.16	72.45	72.90	e74.25	e73.98
27	e73.60	73.76	e74.18	73.76	e73.80	72.04	72.16	e72.06	72.39	72.90	74.16	e73.97
28	e73.73	73.73	74.44	74.12	e73.89	71.93	71.97	71.99	72.38	72.91	74.15	e73.97
29	73.61		74.25	e74.08	73.97	e71.83	71.81	71.89	72.37	72.91	74.04	e73.97
30	73.58		74.12	e74.05	73.79	e71.73	71.66	71.97	72.33	72.91	73.98	e73.96
31	74.01		e74.05		73.70		71.54	72.30		72.90		e73.96

e Estimated.

28. 5. 4. 3. 9. Perth Amboy Water Dept. Runyon old deep well 1. Highest water level 12.8 above mean sea level, Mar. 1, 1943, Mar. 26, 1944; lowest 54.9 below mean sea level, Sept. 26-27, 1947. Records available: 1930-50.

Daily lowest water level, above and below msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.3	16.7	17.7	19.6	18.2	17.8	33.5	....	38.1	17.0	38.5	22.7
2	17.0	15.5	17.8	19.4	18.3	17.8	....	....	23.1	17.3	38.6	22.0
3	17.3	16.4	17.9	19.2	18.3	18.2	....	....	21.9	33.3	38.7	21.3
4	17.7	16.8	17.8	18.9	18.2	18.1	....	....	21.1	34.8	38.6	20.7
5	17.9	14.3	17.8	19.0	18.2	17.0	....	....	....	35.6	38.7	20.2
6	17.8	15.8	17.7	19.2	18.0	17.7	....	....	19.8	35.6	38.9	20.2
7	17.5	16.5	17.6	19.1	17.2	18.0	....	....	19.9	20.4	38.8	19.8
8	15.6	16.9	17.4	17.0	17.9	18.3	....	....	20.1	19.8	38.8	19.3
9	16.4	16.9	17.5	17.8	17.8	18.5	....	....	20.1	18.5	38.8	19.1
10	16.6	17.1	17.6	18.1	17.5	18.5	....	....	19.9	18.2	38.9	21.9

28.5.4.3.9--Continued.

Daily lowest water level, above and below msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	17.0	17.3	17.5	18.6	17.6	21.3	....	....	18.4	34.0	39.0	21.5
12	17.1	17.3	16.7	18.9	17.7	21.0	....	....	18.9	35.5	39.0	20.3
13	17.0	15.7	17.3	19.0	17.7	20.9	....	....	19.3	36.1	39.0	19.4
14	17.0	15.8	18.1	19.2	17.7	20.3	....	....	19.4	36.5	38.3	19.2
15	14.9	4.9	18.3	19.4	17.7	19.7	....	....	19.2	36.7	38.4	19.1
16	16.0	1.7	18.4	19.4	17.7	19.3	....	....	19.1	37.2	38.4	18.7
17	16.3	.1	18.6	19.6	17.8	19.1	....	....	21.2	37.4	38.2	18.6
18	16.3	+1.0	18.8	19.7	17.8	19.1	....	....	21.1	37.6	38.1	18.8
19	16.5	+1.8	21.2	19.8	16.2	18.9	....	....	20.1	37.9	38.4	18.8
20	16.8	9.8	21.1	20.8	17.4	18.8	....	....	20.0	38.3	38.4	18.7
21	16.7	16.0	21.2	20.0	17.3	19.0	....	....	19.7	38.8	38.5	18.5
22	15.2	16.7	21.5	20.1	17.1	19.2	....	....	19.7	39.1	37.9	18.5
23	15.8	17.2	21.7	19.9	17.4	19.1	....	....	18.3	39.2	38.4	18.4
24	16.1	17.6	21.5	19.9	17.6	19.0	....	....	....	39.3	38.5	18.2
25	16.1	17.9	20.8	19.9	15.2	18.8	....	....	....	39.3	....	18.1
26	16.1	18.0	19.2	19.9	19.0	19.3	....	....	....	39.3	....	17.4
27	16.3	18.1	19.6	19.7	17.9	20.4	....	....	....	38.2	....	17.7
28	16.3	17.9	19.6	19.3	17.8	20.7	....	....	17.8	38.8	....	....
29	16.1	....	19.6	19.1	16.4	30.1	....	....	17.7	38.9	....	....
30	15.7	....	19.7	18.0	16.9	32.5	....	....	16.7	37.6	23.1	....
31	16.4	....	19.7	....	17.6	....	....	38.2	....	38.3	....	....

29.1.4.1.1. Perth Amboy Water Dept. Runyon old deep well 8. Highest water level 12.2 above mean sea level, Apr. 8, 1943; lowest 48.3 below mean sea level, Sept. 15, 1947. Records available: 1929-50.

Daily lowest water level, below mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.8	16.6	....	6.2	5.3	....	....	25.0	26.3	16.4	26.1	....
2	16.5	12.8	....	6.1	5.4	....	20.8	25.1	23.0	16.7	26.2	....
3	16.8	13.7	....	6.1	5.3	5.3	21.2	25.1	21.3	20.1	26.3	....
4	17.2	14.0	4.5	5.6	5.3	5.2	21.5	21.2	20.6	22.1	26.3	19.5
5	17.4	11.0	4.5	5.8	5.2	3.9	21.9	19.6	....	23.1	26.3	19.5
6	17.4	11.2	4.4	5.9	5.1	4.6	22.5	18.8	19.4	23.3	26.5	19.5
7	17.0	11.9	4.4	5.9	4.3	4.8	24.5	18.3	19.4	18.7	26.5	19.2
8	14.9	12.1	4.2	2.7	4.9	5.2	24.4	18.1	19.5	18.5	26.5	18.7
9	15.7	12.2	4.2	4.4	4.9	5.5	24.8	17.8	19.5	17.9	26.5	18.4
10	15.9	....	4.2	4.8	4.5	5.6	....	9.6	19.4	17.5	26.5	22.4
11	16.3	....	4.2	5.4	4.7	9.7	24.1	9.8	18.1	21.5	26.6	21.5
12	16.4	....	3.7	5.8	4.7	8.8	25.6	9.8	18.4	22.9	26.6	....
13	16.4	....	4.1	6.0	4.7	8.5	25.7	9.4	....	23.7	26.2	....
14	16.3	....	4.9	6.2	....	7.5	26.9	9.3	....	24.1	26.4	....
15	....	....	5.1	....	4.7	6.9	27.1	6.8	....	24.4	26.5	....
16	....	....	5.3	6.9	4.8	6.5	....	17.2	18.8	24.8	26.4	....
17	....	....	....	7.0	4.8	5.9	....	20.6	21.9	25.0	26.4	....
18	....	....	5.6	7.1	5.0	5.9	....	22.1	21.4	25.2	26.1	....
19	....	....	9.0	7.2	4.9	5.7	....	22.8	20.5	25.6	26.3	....
20	....	....	8.8	7.2	4.6	5.6	....	....	20.1	26.1	....	....
21	....	....	9.1	7.4	4.6	5.8	....	....	18.3	....	....	....
22	15.9	....	9.3	7.5	....	6.0	....	24.6	18.2	....	....	....
23	15.4	....	9.3	7.4	....	6.0	18.7	25.1	17.8	26.6	....	....
24	15.7	....	8.9	7.3	....	6.0	18.7	25.4	17.8	26.6	....	....
25	15.9	....	8.0	7.4	....	6.0	18.4	25.5	17.7	26.6	....	....
26	15.9	....	6.2	7.4	....	6.6	18.1	25.6	17.6	25.9	....	....
27	16.1	....	6.7	7.1	....	7.3	18.0	25.6	17.4	25.2	....	....
28	16.2	....	6.7	6.6	....	7.7	21.2	25.0	17.4	26.2	....	....
29	16.2	....	6.5	6.3	....	16.8	23.3	25.7	17.3	....	....	....
30	15.7	....	6.5	5.1	....	19.3	23.5	26.0	16.0	25.1	....	....
31	16.3	....	6.5	....	3.8	....	24.0	26.3	....	25.9	....	16.9

29.1.4.4.2. Perth Amboy Water Dept. Runyon well 50. Highest water level 12.4 above mean sea level, July 26, 1938; lowest 1.3 below mean sea level, Sept. 26, 27, 1929. Records available: 1923-50.

Daily lowest water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.3	8.3	9.2	10.1	9.8	9.0	5.7	6.2	6.9	4.3	3.5	8.0
2	8.1	9.1	9.0	10.0	9.8	9.2	5.6	6.1	7.0	4.2	3.6	8.0
3	8.1	9.3	8.8	10.0	9.8	9.2	5.4	6.0	6.9	4.2	3.5	7.9

29. 1. 4. 4. 2--Continued.

Daily lowest water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	8.0	9.5	8.7	10.0	9.8	9.2	5.3	6.4	6.8	4.2	3.5	7.9
5	7.9	9.8	8.6	10.0	9.8	9.7	5.2	8.2	6.8	4.2	3.5	7.8
6	8.0	9.7	8.4	9.9	9.9	9.6	5.2	8.6	6.6	3.8	3.5	8.1
7	7.9	9.6	8.3	9.9	10.0	9.4	5.1	8.7	6.5	3.9	3.6	8.3
8	8.3	9.5	8.3	10.1	9.8	9.3	5.0	8.6	6.3	3.8	3.6	8.5
9	8.1	9.5	8.3	9.9	9.8	9.1	5.0	8.2	6.2	3.7	3.6	9.0
10	8.0	9.5	8.3	9.8	9.8	8.9	5.0	8.1	6.1	3.7	3.6	9.2
11	8.0	9.5	8.4	9.7	9.7	8.5	5.6	7.9	6.0	3.7	3.5	9.4
12	8.0	9.4	8.7	9.6	9.6	8.2	5.7	7.7	5.9	3.7	3.5	9.2
13	8.0	9.6	...	9.5	9.3	7.9	5.9	7.4	5.8	3.7	3.5	9.3
14	8.0	9.6	9.0	9.4	9.0	7.8	6.2	6.9	5.8	3.8	3.6	9.3
15	8.6	9.9	9.1	9.3	8.8	7.6	6.8	6.5	5.9	3.7	3.6	9.2
16	8.3	9.9	9.1	9.3	8.6	7.5	7.2	6.6	5.9	3.6	3.6	9.2
17	8.2	9.7	9.1	9.2	8.4	7.3	8.1	6.7	6.0	3.5	3.6	9.4
18	8.2	9.6	9.0	9.1	8.2	7.2	8.2	6.6	5.9	3.5	3.7	9.0
19	8.2	9.6	8.9	9.0	8.8	7.0	8.1	6.5	5.8	3.5	3.6	8.1
20	8.1	9.4	8.9	9.0	9.0	6.8	7.9	6.6	5.6	3.6	3.6	7.5
21	8.2	9.8	8.9	9.0	8.9	6.7	7.8	7.2	5.5	3.6	3.6	7.0
22	8.2	9.7	9.1	9.0	9.0	6.6	7.6	7.1	5.4	3.6	3.7	6.6
23	8.2	9.6	9.6	9.0	8.8	6.5	7.4	7.0	5.3	3.6	3.8	6.3
24	8.2	9.5	10.0	8.9	8.6	6.3	7.3	6.9	5.1	3.5	3.7	6.2
25	8.1	9.5	10.0	9.0	8.9	6.2	7.1	6.8	5.0	3.5	3.7	6.1
26	8.1	9.5	10.2	9.0	8.6	6.4	7.0	6.9	4.8	3.6	4.0	6.1
27	8.0	9.3	10.2	9.1	8.4	6.1	6.8	6.9	4.8	3.5	5.9	5.9
28	8.1	9.2	10.2	9.1	8.3	5.9	6.7	...	4.5	3.5	7.0	5.7
29	8.4	...	10.2	9.4	8.9	5.7	6.6	...	4.4	3.5	7.6	5.5
30	8.1	...	10.1	9.8	8.9	5.8	6.5	...	4.5	3.7	7.9	5.3
31	8.2	...	10.1	...	9.0	...	6.3	6.8	...	3.6	...	5.1

28. 5. 4. 7. 3. Perth Amboy Water Dept. Runyon well 123. Highest water level 6.14, Sept. 22, 1938 (flooded); lowest 0.53, Jan. 23, 1940. Records available: 1938-47, 1950. Recording gage removed May 1947.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	2.34	June 2	3.37	Aug. 31	3.08	Oct. 31	2.77
Mar. 14	1.57	July 12	2.13	Sept. 28	3.03	Nov. 30	2.55
Apr. 21	2.70						

28. 5. 1. 8. 4. Sayreville Borough test well 4. Highest water level 11.55 above mean sea level, Mar. 27, 1944; lowest 32.9 below mean sea level, Oct. 25, 1935. Records available: 1931-50.

Daily lowest water level, above and below msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	6.57	0.21	1.95	0.93	0.82	7.88	11.34	12.52	6.21	12.22	....
2	....	5.60	.34	1.80	1.12	.58	8.07	11.57	11.40	7.00	12.38	....
3	....	6.24	.30	1.72	1.14	1.26	8.77	11.12	10.50	7.75	12.55	....
4	7.51	6.64	....	1.72	1.04	.46	8.89	9.55	9.65	8.97	12.33	9.02
5	7.88	6.07	.35	1.50	.96	+.13	9.31	8.31	9.11	9.64	12.35	9.22
6	7.55	5.66	.56	1.91	.92	.55	9.64	7.63	9.09	9.58	12.80	9.04
7	7.61	6.38	.13	1.78	.31	.79	12.49	7.60	9.09	8.45	12.70	8.80
8	5.93	6.82	+.20	1.00	.81	1.31	11.64	7.32	9.12	7.72	12.54	8.27
9	6.50	6.74	+.14	+.01	.43	1.74	11.41	6.85	9.12	7.40	12.45	8.08
10	6.76	6.92	.26	.50	.15	1.67	10.86	4.95	8.75	7.46	12.48	13.55
11	7.15	7.09	.11	.99	.40	7.17	10.76	4.67	7.90	8.40	12.54	11.55
12	7.24	6.77	.50	1.43	.47	4.55	12.40	4.55	8.25	9.42	12.54	9.38
13	7.10	5.95	.51	1.51	.44	3.90	12.87	4.30	8.65	10.06	12.28	8.41
14	7.02	5.77	.63	1.76	.40	3.10	....	3.65	8.74	10.54	12.51	8.25
15	6.70	3.50	.80	2.20	.52	2.43	....	2.56	8.76	10.78	12.51	7.71
16	5.99	1.50	.88	2.18	.60	2.14	....	4.56	8.57	11.26	12.46	7.80
17	6.41	.27	.92	2.41	.61	1.92	13.00	7.08	12.50	11.50	12.08	7.25
18	6.48	....	1.14	2.53	.37	1.78	11.85	8.70	11.65	11.50	12.17	7.77
19	6.70	....	6.81	2.60	.22	1.70	10.95	9.33	9.58	11.85	12.45	7.79
20	6.88	....	4.45	2.25	.34	1.67	10.20	9.29	9.15	12.40	12.45	7.65
21	6.78	....	3.86	2.72	.15	1.86	9.26	10.58	8.30	12.70	12.61	7.86
22	6.11	+.72	4.33	2.91	.05	2.15	8.75	10.59	7.12	12.86	12.05	7.51
23	5.79	+.32	4.53	2.48	.15	1.96	8.35	11.27	7.67	12.76	12.29	7.37
24	6.12	.28	3.86	2.79	.53	1.76	7.76	11.44	7.43	12.90	12.39	7.26

28.5.1.8.4--Continued.

Daily lowest water level, above and below msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
25	6.29	0.93	3.25	2.94	0.31	1.58	7.62	11.56	7.39	12.85	.....	7.05
26	6.33	.81	2.60	2.61	.64	3.11	7.52	11.69	7.30	12.09	.....	6.66
27	6.43	.90	2.28	2.25	.67	3.85	7.29	11.84	7.19	12.59	.....	7.00
28	6.29	.60	2.28	1.83	.44	4.26	8.19	11.26	7.07	12.57	.....	....
29	5.70		2.15	1.54	+.98	5.00	9.46	11.99	6.99	12.41	13.24	6.82
30	5.81		2.15	1.37	+.43	6.78	9.63	12.45	5.92	12.05	12.51	6.79
31	6.21		2.23		.16		10.47	12.69		11.96		6.80

Monmouth County

Asbury Park area

29.24.7.1.6. Avon-by-the-Sea Water Dept. well 1. Highest water level 4.46 below mean sea level, Apr. 12, 1937; lowest 132.00 below mean sea level, Aug. 4, 1925, pumping. Records available: 1924-50. Apr. 10, -35.73; Aug. 29, -54.21.

Runyon area

No measurement made in 1950 in wells 29.11.2.1.1 and 29.1.8.9.4.

29.11.1.2.9. Rulif Hulsart well. Highest water level 100.40 above mean sea level, Apr. 19, 1939; lowest 95.47 above mean sea level, Feb. 18, 1940. Records available: 1936-50.

Water level at end of day, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	95.61	95.60	96.64	96.80	97.14	97.00	96.86	97.12	96.88	96.48	96.08	96.22
2	95.61	95.61	96.63	96.81	97.15	97.01	96.84	97.10	96.83	96.47	96.07	96.24
3	95.61	95.63	96.62	96.83	97.17	97.02	96.81	97.17	96.82	96.44	96.05	96.27
4	95.61	95.67	96.61	96.87	97.18	97.03	96.80	97.29	96.80	96.42	96.04	96.30
5	95.61	95.70	96.61	96.89	97.18	97.06	96.80	97.32	96.80	96.41	96.02	96.30
6	95.61	95.72	96.60	96.90	97.18	97.07	96.78	97.31	96.78	96.40	96.01	96.31
7	95.60	95.75	96.60	96.91	97.15	97.08	96.76	97.31	96.77	96.39	96.01	96.38
8	95.60	95.78	96.60	96.93	97.14	97.09	96.73	97.30	96.73	96.38	96.00	96.37
9	95.60	95.80	96.58	96.95	97.16	97.10	96.71	97.30	96.71	96.38	95.99	96.40
10	95.60	95.82	96.56	96.98	97.15	97.10	96.72	97.28	96.70	96.36	95.99	96.42
11	95.60	95.85	96.55	96.99	97.12	97.09	96.78	97.22	96.70	96.33	95.98	96.49
12	95.60	95.88	96.55	97.00	97.12	97.08	96.80	97.20	96.68	96.31	95.97	96.50
13	95.60	95.92	96.57	97.01	97.11	97.07	96.83	97.18	96.68	96.30	95.95	96.52
14	95.60	95.94	96.51	97.02	97.10	97.07	96.85	97.14	96.68	96.29	95.93	96.54
15	95.60	95.98	96.52	97.03	97.10	97.05	96.87	97.11	96.68	96.28	95.92	96.59
16	95.60	96.01	96.53	97.04	97.08	97.08	96.97	97.10	96.66	96.27	95.90	96.60
17	95.60	96.09	96.53	97.06	97.07	97.04	97.09	97.08	96.64	96.26	95.90	96.61
18	95.60	96.18	96.51	97.08	97.06	97.03	97.18	97.03	96.63	96.23	95.90	96.64
19	95.59	96.30	96.50	97.09	97.06	97.02	97.22	97.02	96.62	96.22	95.88	96.66
20	95.59	96.40	96.50	97.10	97.06	97.02	97.28	97.01	96.61	96.21	95.88	96.68
21	95.58	96.45	96.51	97.10	97.05	97.00	97.30	97.01	96.61	96.20	95.86	96.69
22	95.58	96.51	96.54	97.10	97.04	97.00	97.30	97.00	96.60	96.19	95.84	96.70
23	95.57	96.56	96.57	97.10	97.04	97.00	97.30	97.00	96.59	96.18	95.83	96.70
24	95.57	96.60	96.58	97.11	97.04	97.00	97.31	96.99	96.57	96.17	95.82	96.71
25	95.60	96.61	96.60	97.11	97.02	96.99	97.30	96.98	96.55	96.16	95.88	96.72
26	95.60	96.61	96.63	97.10	97.01	96.98	97.30	96.97	96.53	96.14	95.96	96.73
27	95.60	96.62	96.67	97.11	97.01	96.94	97.28	96.93	96.52	96.12	96.05	96.73
28	95.60	96.63		97.12	97.00	96.91	97.25	96.92	96.50	96.11	96.11	96.74
29	95.59		96.71	97.13	97.00	96.90	97.21	96.91	96.50	96.10	96.17	96.76
30	95.59		96.73	97.13	97.00	96.88	97.20	96.90	96.49	96.10	96.20	96.77
31	95.59		96.78		97.00		97.18	96.89		96.09		96.78

Salem County

Penns Grove area

(The following wells are owned by the State of New Jersey.)

30.23.1.8.5. Penns Grove observation well 6. Highest water level 2.59 above mean sea level, Aug. 14, 1942; lowest 0.19 above mean sea level, Sept. 27, 1941. Records available: 1940-50.

30.23.1.8.5--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	2.15	June 27	1.67	Aug. 23	1.60	Oct. 25	2.03
Mar. 22	2.27	July 26	1.92	Sept. 28	1.83	Nov. 30	2.78

30.23.4.1.9. Penns Grove observation well 7. Highest water level 11.09 above mean sea level, Aug. 14, 1942; lowest 6.84 above mean sea level, Nov. 22, 1941. Records available: 1940-50.

Feb. 7	9.74	May 25	9.78	Aug. 23	9.13	Oct. 25	9.60
Mar. 22	9.93	June 27	9.44	Sept. 28	9.65	Nov. 30	10.31
Apr. 27	8.50	July 26	9.77				

30.22.6.6.7. Penns Grove observation well 9. Highest water level 24.04 above mean sea level, Mar. 25, 1944; lowest 19.80 above mean sea level, Sept. 25, 1943. Records available: 1940-50.

Feb. 7	22.72	May 25	22.65	Aug. 23	21.67	Oct. 25	22.81
Mar. 22	23.21	June 27	22.15	Sept. 28	22.81	Nov. 30	23.55
Apr. 27	22.63	July 26	22.60				

30.22.6.9.3. Penns Grove observation well 10. Highest water level 24.10 above mean sea level, Mar. 13, 1941; lowest 18.84 above mean sea level, Oct. 24, 1943. Records available: 1940-50.

Feb. 7	22.82	Apr. 27	22.98	July 26	22.56	Oct. 25	23.00
Mar. 22	23.54	May 25	22.74	Sept. 28	22.83	Nov. 30	23.63

30.23.4.7.8. Penns Grove observation well 11. Highest water level 24.40, Dec. 11, 1940; lowest 18.44 above mean sea level, Feb. 7, 1950. Records available: 1940-50.

Feb. 7	18.44	May 25	20.77	Aug. 23	21.24	Oct. 25	21.29
Mar. 22	19.57	June 27	20.90	Sept. 28	21.31	Nov. 30	21.84
Apr. 27	20.69	July 26	21.11				

30.22.8.3.5. Penns Grove observation well 12. Highest water level 4.52 above mean sea level, Feb. 8, 1949; lowest 1.22 above mean sea level, Oct. 11, 1941. Records available: 1940-50.

Feb. 7	2.95	May 25	2.91	Aug. 23	2.32	Oct. 25	2.96
Mar. 22	3.39	June 27	2.81	Sept. 28	2.88	Nov. 30	3.94
Apr. 27	3.16	July 26	3.01				

30.22.9.2.1. Penns Grove observation well 13. Highest water level 21.26 above mean sea level, Mar. 13, 1941; lowest 15.01 above mean sea level, Oct. 24, 1943. Records available: 1940-50.

Feb. 7	17.59	May 25	19.04	Aug. 23	17.52	Oct. 25	19.50
Mar. 22	19.61	June 27	18.35	Sept. 28	19.57	Nov. 30	20.77
Apr. 27	18.76	July 26	19.15				

30.22.9.6.2. Penns Grove observation well 14. Highest water level 22.72 above mean sea level, Feb. 8, 1949; lowest 16.55 above mean sea level, Oct. 24, 1943. Records available: 1940-50.

Feb. 7	20.04	May 25	20.53	Aug. 23	18.83	Oct. 25	20.23
Mar. 22	21.23	June 27	19.82	Sept. 28	20.41	Nov. 30	22.20
Apr. 27	20.29	July 26	20.49				

30.22.9.5.8. Penns Grove observation well 15. Highest water level 12.00 above mean sea level, June 10, 1947; lowest 1.33 above mean sea level, Feb. 7, 1950. Records available: 1941-50.

Feb. 7	1.33	May 25	3.20	Aug. 23	3.61	Oct. 25	3.71
Mar. 22	2.18	June 27	3.42	Sept. 28	3.76	Nov. 30	3.85
Apr. 27	3.08	July 26	3.52				

30.22.9.4.9. Penns Grove observation well 22. Highest water level 14.42 above mean sea level, Aug. 18, 1939; lowest dry on various dates 1942-45 and 1949. Records available: 1939-49. No measurement made in 1950.

30.22.9.7.3. Penns Grove observation well 24. Highest water level 7.83 above mean sea level, June 14, 1947; lowest 6.48 below mean sea level, Feb. 15-17, 1950. Records available: 1941-50.

30. 22. 9. 7. 3--Continued.

Water level at end of day, below mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.95	....	6.31	5.73	4.67	4.29	4.05	3.41	3.15	3.03	3.25	2.78
2	5.96	....	6.30	5.70	4.65	4.28	4.04	3.40	3.16	3.02	3.24	2.67
3	5.97	6.35	6.30	5.65	4.64	4.25	4.05	....	3.17	2.99	3.25	2.55
4	....	6.36	6.28	5.59	4.61	4.24	4.05	....	3.20	3.00	3.27	2.48
5	....	6.37	6.26	5.56	4.60	4.23	4.04	....	3.23	3.04	3.30	2.47
6	....	6.38	6.25	5.51	4.59	4.23	4.04	3.35	3.23	3.04	3.31	2.40
7	....	6.39	6.24	5.47	4.58	4.21	4.06	3.34	3.22	3.04	3.34	2.26
8	6.04	6.40	6.21	5.42	4.58	4.20	....	3.33	3.22	3.01	3.32	2.21
9	6.05	6.42	6.21	5.38	4.55	4.18	4.06	3.31	....	3.00	3.32	2.14
10	6.06	6.43	6.21	5.32	4.54	4.16	4.04	3.30	3.31	3.00	3.30	2.02
11	6.08	6.45	6.18	5.26	4.53	4.16	4.02	3.29	3.27	3.03	3.35	1.97
12	....	6.45	6.18	5.22	4.51	4.16	4.00	3.29	3.22	3.01	3.40	1.95
13	....	6.46	6.17	5.18	4.49	4.15	3.98	3.28	3.18	3.02	3.40	1.91
14	....	6.47	6.16	5.13	4.49	4.13	4.00	3.27	3.14	3.06	3.42	1.84
15	6.13	6.48	6.15	5.11	4.47	4.13	4.00	3.27	....	3.15	3.43	1.73
16	6.15	6.48	6.13	5.08	4.47	4.10	3.99	3.26	....	3.16	3.42	1.72
17	6.16	6.48	6.10	5.04	4.46	4.11	3.92	3.25	3.11	3.16	3.38	1.68
18	6.16	6.47	6.10	5.01	4.44	4.10	3.84	3.24	3.09	3.15	3.42	1.62
19	6.18	6.46	6.09	4.97	4.44	4.08	3.77	....	3.06	3.14	....	1.58
20	....	6.46	6.09	4.93	4.42	4.07	3.71	3.20	3.05	3.11	....	1.53
21	....	6.44	6.07	4.91	4.40	4.07	3.68	3.21	3.03	3.11	....	1.46
22	6.21	6.42	6.03	4.88	4.38	4.07	....	3.21	3.01	3.17	....	1.38
23	6.23	6.43	6.02	4.83	4.35	4.05	3.53	3.21	3.03	3.17	....	1.30
24	6.24	6.41	6.01	4.81	4.34	4.04	3.49	3.21	....	3.19	....	1.28
25	....	6.40	5.99	4.78	4.34	4.04	3.47	3.20	3.07	3.18	....	1.27
26	....	6.37	5.96	4.77	4.33	4.01	3.45	3.20	3.06	3.22	3.26	1.26
27	....	6.36	5.91	4.74	4.31	4.01	3.43	3.15	3.05	3.23	3.15	1.23
28	....	6.33	5.89	4.73	4.31	4.03	3.41	3.14	3.04	....	3.03	....
29	6.32	....	5.86	4.71	4.30	4.02	3.39	3.14	3.03	3.24	2.95	....
30	....	....	5.83	4.69	4.30	4.03	3.45	3.16	3.02	3.23	2.87	....
31	....	....	5.79	....	4.28	....	3.43	3.16	....	3.25	....	1.08

30. 32. 2. 2. 3. Penns Grove observation well 31. Highest water level 3.09 above mean sea level, Feb. 8, 1949; lowest 4.23 below mean sea level, Nov. 22, 1941 and Oct. 24, 1943. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	0.60	May 25	-0.49	Aug. 23	-1.91	Oct. 25	-0.65
Mar. 22	.41	June 27	-.86	Sept. 28	.11	Nov. 30	.31
Apr. 27	-.43	July 26	-.59				

30. 22. 8. 9. 5. Penns Grove observation well 32. Highest water level 2.30 above mean sea level, Feb. 8, 1949; lowest 1.06 below mean sea level, Nov. 22, 1941. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	-0.05	May 25	0.34	Aug. 23	0.02	Oct. 25	0.35
Mar. 22	.56	June 27	.25	Sept. 28	.47	Nov. 30	1.14
Apr. 27	.34	July 26	.74				

30. 22. 9. 8. 6. Penns Grove observation well 35. Highest water level 18.66 above mean sea level, Nov. 29, 1940; lowest 0.35 above mean sea level, Oct. 9, 1942. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	1.48	May 25	2.89	Aug. 23	3.31	Oct. 25	3.50
Mar. 22	2.31	June 27	3.07	Sept. 28	3.84	Nov. 30	4.48
Apr. 27	2.81	July 26	3.84				

30. 22. 9. 8. 4. Penns Grove observation well 36. Highest water level 5.58 above mean sea level, June 10, 1947; lowest 9.39 below mean sea level, Dec. 4, 1942. Records available: 1940-50.

Water level below mean sea level

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	9.24	May 25	6.22	Aug. 23	4.45	Oct. 25	4.76
Mar. 22	8.17	June 27	5.80	Sept. 28	4.21	Nov. 30	4.77
Apr. 27	6.86	July 26	5.17				

30. 32. 2. 3. 3. Penns Grove observation well 41. Highest water level 11.55 above mean sea level, Feb. 8, 1949; lowest 4.66 above mean sea level, Oct. 15, 1943. Records available: 1941-50.

30.32.2.3.3--Continued.

Water level at end of day, above mean sea level, from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	8.87	Aug. 1	9.14	Oct. 8	9.35	Nov. 8	9.66
Mar. 20	9.86	2	9.09	9	9.36	9	9.63
Apr. 25	9.67	3	9.32	17	9.18	10	9.53
26	9.68	4	9.42	24	9.82	11	9.47
27	9.67	5	9.35	25	9.85	12	9.43
May 24	9.68	6	9.27	26	9.84	13	9.39
June 26	9.37	7	9.16	27	9.78	14	9.31
27	9.20	8	9.06	28	9.75	15	9.29
28	9.13	22	8.14	29	9.73	16	9.29
29	9.12	23	8.14	30	9.69	17	9.24
30	9.03	24	8.09	31	9.64	18	9.20
July 25	9.76	25	8.05	Nov. 1	9.62	19	9.13
26	9.74	Sept. 28	9.87	2	9.54	20	9.14
27	9.63	29	9.86	3	9.49	21	9.18
28	9.52	30	9.81	4	9.62	22	9.14
29	9.45	Oct. 5	9.44	5	9.70	23	9.12
30	9.30	6	9.39	6	9.70	24	9.09
31	9.23	7	9.35	7	9.67	29	10.84

30.32.2.3.9. Penns Grove observation well 51. Highest water level 11.10 above mean sea level, Feb. 8, 1949; lowest 3.94 above mean sea level, Oct. 24, 1943. Records available: 1940-50.

Feb. 7	9.05	May 25	9.84	Aug. 23	7.31	Oct. 25	10.13
Mar. 22	10.83	June 27	8.92	Sept. 28	9.57	Nov. 30	10.71
Apr. 27	9.92	July 26	9.22				

30.32.2.5.1. Penns Grove observation well 52. Highest water level 2.82 above mean sea level, Feb. 8, 1949; lowest 13.65 below mean sea level, Feb. 12, 1942. Records available: 1940-50.

Feb. 7	0.42	May 25	-0.14	Aug. 23	-4.13	Oct. 25	-2.73
Mar. 22	.72	June 27	-2.31	Sept. 28	-3.19	Nov. 30	-1.85
Apr. 27	-.01	July 26	-2.69				

30.32.2.6.5. Penns Grove observation well 54. Highest water level flowing Mar. 13, 1941; lowest 5.63 above mean sea level, Oct. 24, 1943. Records available: 1940-50.

Feb. 7	9.40	May 25	10.57	Aug. 23	8.65	Oct. 25	10.00
Mar. 22	10.63	June 27	10.05	Sept. 28	10.07	Nov. 30	11.02
Apr. 27	10.26	July 26	9.32				

30.32.3.5.5. Penns Grove observation well 55. Highest water level 7.28 above mean sea level, Feb. 8, 1949; lowest 1.93 above mean sea level, Oct. 20 and 24, 1943. Records available: 1940-50.

Feb. 7	6.26	May 25	6.26	Aug. 23	4.29	Oct. 25	5.90
Mar. 22	6.88	June 27	5.54	Sept. 28	5.83	Nov. 30	6.47
Apr. 27	6.15	July 26	5.82				

30.32.2.5.8. Penns Grove observation well 62. Highest water level 3.56 above mean sea level, Feb. 8, 1949; lowest 10.55 below mean sea level, Feb. 13, 1942. Records available: 1940-50.

Feb. 7	0.36	May 25	1.20	Aug. 23	-2.96	Oct. 25	-2.27
Mar. 22	1.52	June 27	-1.15	Sept. 28	-3.06	Nov. 30	-2.12
Apr. 27	1.10	July 26	-1.68				

30.32.2.9.1. Penns Grove observation well 63. Highest water level 15.73 above mean sea level, Apr. 15, 1947; lowest 8.09 above mean sea level, Oct. 24, 1943. Records available: 1941-50.

Feb. 7	11.02	May 25	13.74	Aug. 23	10.99	Oct. 25	12.69
Mar. 22	13.44	June 27	13.71	Sept. 28	13.01	Nov. 30	13.67
Apr. 27	13.65	July 26	12.82				

30.32.2.9.5. Penns Grove observation well 64. Highest water level 2.77 above mean sea level, Nov. 30, 1950; lowest 1.42 below mean sea level, Sept. 25, 1943. Records available: 1940-50.

Feb. 7	1.30	May 25	1.43	Aug. 23	0.78	Oct. 25	1.46
Mar. 22	1.44	June 27	1.24	Sept. 28	1.42	Nov. 30	2.77
Apr. 27	1.32	July 26	1.01				

30.32.6.1.6. Penns Grove observation well 65. Highest water level 9.23 above mean sea level, Feb. 8, 1949; lowest 1.88 above mean sea level, Oct. 24, 1943. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	5.19	May 25	7.61	Aug. 23	4.94	Oct. 25	5.86
Mar. 22	6.38	June 27	7.05	Sept. 28	5.65	Nov. 30	8.14
Apr. 27	7.07	July 26	6.76				

30.32.1.9.5. Penns Grove observation well 71. Highest water level 8.93 above mean sea level, Feb. 8, 1949; lowest 1.33 above mean sea level, Dec. 6, 1941. Records available: 1940-50.

Feb. 7	4.03	May 25	5.85	Aug. 23	4.65	Oct. 25	5.42
Mar. 22	5.64	June 27	5.65	Sept. 28	5.74	Nov. 30	6.52
Apr. 27	5.82	July 26	5.70				

30.32.5.1.3. Penns Grove observation well 72. Highest water level 6.23 above mean sea level, Feb. 8, 1949; lowest 0.70 below mean sea level, Oct. 24, 1943. Records available: 1940-50.

Feb. 7	3.43	May 25	4.37	Aug. 23	2.08	Oct. 25	4.18
Mar. 22	5.03	June 27	3.47	Sept. 28	4.08	Nov. 30	5.32
Apr. 27	4.01	July 26	3.77				

30.32.4.6.4. Penns Grove observation well 73. Highest water level 2.68 above mean sea level, Nov. 30, 1950; lowest 2.01 below mean sea level, Sept. 25, 1943. Records available: 1940-50.

Feb. 7	1.91	May 25	1.87	Aug. 23	0.39	Oct. 25	2.18
Mar. 22	2.24	June 27	1.01	Sept. 28	1.94	Nov. 30	2.68
Apr. 27	1.88	July 26	1.32				

30.32.5.4.6. Penns Grove observation well 74. Highest water level 7.07 above mean sea level, Dec. 3, 1940; lowest 0.37 above mean sea level, Oct. 24, 1943. Records available: 1940-50.

Feb. 7	2.35	May 25	2.66	Aug. 23	1.27	Oct. 25	2.74
Mar. 22	2.83	June 27	2.11	Sept. 28	2.72	Nov. 30	3.52
Apr. 27	2.35	July 26	2.44				

30.32.5.7.7. Penns Grove observation well 84. Highest water level 11.44 above mean sea level, Feb. 14, 1946; lowest 4.74 above mean sea level, Oct. 24, 1943. Records available: 1940-50.

Feb. 7	10.60	May 25	10.64	Aug. 23	7.53	Oct. 25	11.19
Mar. 22	11.42	June 27	8.91	Sept. 28	10.29	Nov. 30	11.13
Apr. 27	10.21	July 26	9.34				

30.31.9.6.6. Penns Grove observation well 91. Highest water level 7.03 above mean sea level, Feb. 8, 1949; lowest 2.19 above mean sea level, Oct. 11, 1941. Records available: 1940-50.

Feb. 7	6.28	May 25	5.92	Aug. 23	4.36	Oct. 25	6.68
Mar. 22	6.58	June 27	5.08	Sept. 23	6.09	Nov. 30	6.77
Apr. 27	5.81	July 26	5.56				

30.32.7.6.9. Penns Grove observation well 92. Highest water level 15.31 above mean sea level, Feb. 8, 1949; lowest 5.33 above mean sea level, Dec. 6, 1941. Records available: 1940-50.

Feb. 7	6.69	May 25	10.41	Aug. 23	8.33	Oct. 25	11.98
Mar. 22	9.21	June 27	9.45	Sept. 28	11.97	Nov. 30	13.74
Apr. 27	9.44	July 26	10.27				

30.22.9.4.3. Logwood Inn. Highest water level 16.69 above mean sea level, May 24, 1940; lowest 9.05 above mean sea level, Dec. 22, 1949. Records available: 1940-50.

Feb. 7	9.06	June 27	11.92	Aug. 23	11.37	Oct. 25	11.88
Apr. 27	12.10	July 26	12.53	Sept. 28	12.23	Nov. 30	13.55

30.22.9.5.4. Penns Grove observation well E-15. George Schmid. Highest water level 15.12 above mean sea level, Apr. 23, 1940; lowest 4.82 above mean sea level, Dec. 22, 1949. Records available: 1940-50.

Feb. 7	4.93	May 25	7.21	Aug. 23	6.99	Oct. 25	7.12
Mar. 22	6.35	June 27	7.17	Sept. 28	7.20	Nov. 30	7.73
Apr. 27	7.18	July 26	7.54				

30.32.2.6.4. Penns Grove observation well E-16. Highest water level 14.85 above mean sea level, Mar. 14, 1943; lowest 10.21 above mean sea level, Oct. 24, 1943. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	12.62	May 25	13.43	Aug. 23	12.16	Oct. 25	14.03
Mar. 22	14.70	June 27	13.08	Sept. 28	13.88	Nov. 30	14.57
Apr. 27	13.43	July 26	13.52				

30.32.9.9.8. Penns Grove Water Supply Co. observation well R-5. Highest water level 10.30 above mean sea level, Apr. 24, 1940; lowest 4.10 above mean sea level, Oct. 24, 1943. Records available: 1940-50.

Feb. 7	7.13	June 27	7.30	Aug. 23	6.63	Oct. 25	7.69
Apr. 27	7.58	July 26	7.85	Sept. 28	7.84	Nov. 30	8.73
May 25	7.67						

30.23.7.1.4. Penns Grove Water Supply Co. observation well R-7. Highest water level 24.05 above mean sea level, Feb. 24, 1945; lowest 18.82 above mean sea level, Oct. 20, 1943. Records available: 1940-50.

Feb. 7	21.55	May 25	22.54	Aug. 23	21.23	Oct. 25	22.25
Mar. 22	22.69	June 27	22.06	Sept. 28	22.58	Nov. 30	23.63
Apr. 27	22.32	July 26	22.62				

30.32.3.6.5. Penns Grove Water Supply Co. observation well R-8. Highest water level 7.31 above mean sea level, Feb. 24, 1945; lowest 2.09 above mean sea level, Oct. 10, 1943. Records available: 1940-50. Aug. 23, 4.27; Sept. 28, 5.34; Oct. 25, 5.37; Nov. 30, 6.54.

NEW YORK

LONG ISLAND

By N. J. Lusczynski

Scope of Water-Level Program

The observation-well program in Long Island was continued in 1950 in cooperation with the State Water Power and Control Commission, the Nassau County Department of Public Works, the Suffolk County Board of Supervisors, and the Suffolk County Water Authority. Measurements of water levels were made in 235 wells, 31 of which were equipped with recording gages. 4,000 individual measurements were made. In 1950 water samples were taken in more than 250 wells in Long Island. The bulk of the samples were analyzed for chloride content (salinity). The remainder of the samples were analyzed for iron, nitrate, chromium, or cadmium. A few samples were obtained for radiometric analyses.

In addition, water-level measurements were made in about 400 observation wells in Long Island. Many water-level data at these observation wells have been released in the form of miscellaneous typed and mimeographed reports. These data and reports can be inspected at the office of the U. S. Geological Survey on Long Island and also at the offices of the cooperating agencies.

Precipitation

The average precipitation on Long Island in 1950 was about 41 inches or about 3 inches more than that in 1949 and about 3 inches below normal. The total for the year ranged from 31.01 inches at Greenport to 54.24 inches at Lake Ronkonkoma. At the Battery in New York City (longest continuous record in the western Long Island area), a total of 38.30 inches (4.69 inches below normal) was measured in 1950. At Setauket (longest continuous record in eastern Long Island), a total of 46.10 inches of precipitation (1.01 above normal) was recorded. In general, above-normal amounts of precipitation fell during February, May, July, August, and December and below-normal conditions prevailed during the remainder of 1950. The deficiency in precipitation during 1949 and 1950 amounted to more than 10 inches in most localities in Long Island.

Pumpage

According to pumpage records furnished by the State Water Power and Control Commission, the City Department of Water Supply, Gas and Electricity, the Nassau County Department of Public Works, and other agencies, the combined pumpage for public water supply in Long Island in 1950 averaged about 166 million gallons a day. This total was about 14 million gallons a day less than that in 1949. Part of this decrease, 5 million gallons a day, is attributed to reduction in withdrawal (50 million gallons daily in 1950) at the city of New York pumping stations on Long Island, and the remainder is due to a general decrease in consumption and demand of public supply resulting from more favorable rainfall and temperature during the summer of 1950. During the preceding summer, most of the pumping facilities and distribution systems on Long Island had been taxed to their maximum capacity because of comparatively high temperature and a deficiency in rainfall. The withdrawals for supplemental irrigation and other agricultural uses on Long Island vary inversely with the amount, intensity, and distribution of rainfall during the growing season, being greatest during extended dry periods. The withdrawals averaged 20 million gallons daily in 1949 during the latter half of which rainfall was deficient by several inches. In 1950 when conditions were more favorable, only 7 million gallons daily was pumped. The total pumpage for all uses -- public-supply, industrial, agricultural, and domestic -- was 252 million gallons daily in 1950. Although this was 23 million gallons daily less than in 1949, it exceeded the pumpage in 1948 by about 13 million gallons daily. Replenishment to the underground reservoirs by means of recharge wells and basins, sewage treatment plants, and individual septic tanks and cesspools, reduce in effect the total pumpage. Thus, the net withdrawals in 1950 are estimated to have been less than 150 million gallons daily.

Interpretation of Water-Level Fluctuations

There are five water-bearing zones on Long Island that yield large supplies of water to wells. The upper and most productive zone consists of extensive outwash deposits of Pleistocene

age which, in most places, are not overlain by impervious material. The second zone, the Jameco gravel, also an outwash deposit of Pleistocene age, is found chiefly in the western part of the island and usually is covered by the Gardiners clay, an interglacial deposit. The third and fourth zones consist of widespread beds of sand and gravel of Cretaceous, supposedly Magothy, age. The third zone is in the upper part of the Magothy (?) formation and generally consists of coarse to medium sand. In the center of the island the sand is in direct contact with the overlying beds of outwash of Pleistocene age, whereas at the borders of the island the sand is covered by either the Gardiners clay, the Jameco gravel, or beds of Recent clay. The fourth zone, in the lower part of the Magothy (?) formation, consists of coarse sand and gravel, and generally is overlain by beds or lenses of clay within the Magothy (?) formation itself. The fifth and lowermost zone, the Lloyd sand member of the Raritan formation, lies just above the bedrock floor of the island and almost everywhere is covered by thick beds of the clay member of the Raritan formation. The Lloyd sand member is also of Cretaceous age, and consists of beds of sand and gravel which underlie most of Long Island. The shallow-lying outwash of Pleistocene age constitutes a vast reservoir into which water derived from precipitation can readily sink and from which water can be readily and economically withdrawn. The fluctuation of the water table in these deposits chiefly reflects changes in the rate of precipitation. However, in localities where the safe yield has been exceeded, water levels respond more to changes in the rate of pumping than to changes in the rate of precipitation. In contrast, the water in the deeper sands that lie beneath clay beds is under artesian pressure and is recharged at a more or less constant rate by water percolating down from the overlying formations. The fluctuations of water levels in wells that penetrate the deeper sand, therefore, are controlled chiefly by changes in the rate of pumping. Thus, the safe yield of the deposits of Pleistocene age is governed primarily by the average rate of precipitation whereas the safe yield of the deeper beds is limited by the capacity of the beds to receive and transmit water from the area of recharge to points of withdrawal.

The water-table aquifer on Long Island may be divided into two hydrologic provinces. At the western end of the island excessive pumping for a number of years has lowered the water table below sea level in a large area in Kings County and adjacent parts of Queens County. In the other parts of the island the perennial recharge exceeds ground-water withdrawals and consequently the water table remains above sea level at all but a few places along the shore where local overdevelopment has occurred. In the higher parts of the island the water table is as much as 80 feet above mean sea level. In the overdeveloped area at the western end of Long Island the water table responds more or less rapidly to changes in the distribution of pumping and also the over-all rate of withdrawal, whereas in other parts of the island, the major fluctuations of the water table are chiefly the result of variations in amount and distribution of precipitation.

As a result of above-normal precipitation in 1948 and during the first few months of 1949, the water table in Nassau, Suffolk, and Queens Counties had risen to extremely high levels by late spring in 1949, and at many places to stages highest on record since 1939. By December 1949, because of an appreciable deficiency in rainfall during the last 7 months of the year, and also because of unusually heavy pumping, the water table receded in general to stages below that of December 1948. The deficiency in precipitation which began in May 1949 persisted in the main through the spring of 1950, but the total precipitation during the following summer and fall was more or less normal for the period. As a result water levels recovered very little during the first few months of the year, during which time replenishment usually occurs. Recharge to the underground sources during the remainder of the year was exceeded by the combined effect of evapotranspirative processes and heavy pumping, as evidenced by the more or less uninterrupted decline of water levels in many parts of central and eastern Long Island during 1950. By the end of the year, the water table had receded to below-normal stages in almost all of central and eastern Long Island. At some wells in eastern Queens and Nassau Counties, and at many wells in Suffolk County, record low water levels were observed (see summary table). However, in Brooklyn and in southeastern Nassau County, water levels recovered during 1950 due to the cessation of heavy pumping in these areas. In Brooklyn record high levels were measured in many wells.

The fluctuation of the water table in central Long Island is believed to be represented closely by the trend of the composite average water level of 14 selected wells in Nassau and Suffolk Counties (see fig. 9). During the first 5 months of 1949, the composite level rose more than 2 feet to a stage 49.53 feet above mean sea level at the end of May. From then on to the end of 1949 the composite level receded 2.77 feet, to a level slightly above normal for December. In 1950 the water table continued to decline, the net recession of the average water level being 1.03 feet. The net drop in the water table of more than 2 feet in central and eastern Long Island during 1949 and 1950 resulted in a loss in storage of many billions of gallons of ground water. Thus gains in storage in 1948 and during the first few months in 1949 were more than offset by the losses in the latter half of 1949 and 1950.

The recovery of water levels in southern Nassau County in 1950, averaging about 3 feet, expresses primarily the effect of the complete shut-down of pumping in Nassau County by the city of New York from August to December 1950. The water table was drawn down to very low stages in southern Nassau County near some of the city of New York pumping stations at the end of 1949 and early in 1950, because of the heavy withdrawal which was necessitated by the heavy depletion of surface-water supplies in the Croton and Catskills reservoir systems in upstate New York.

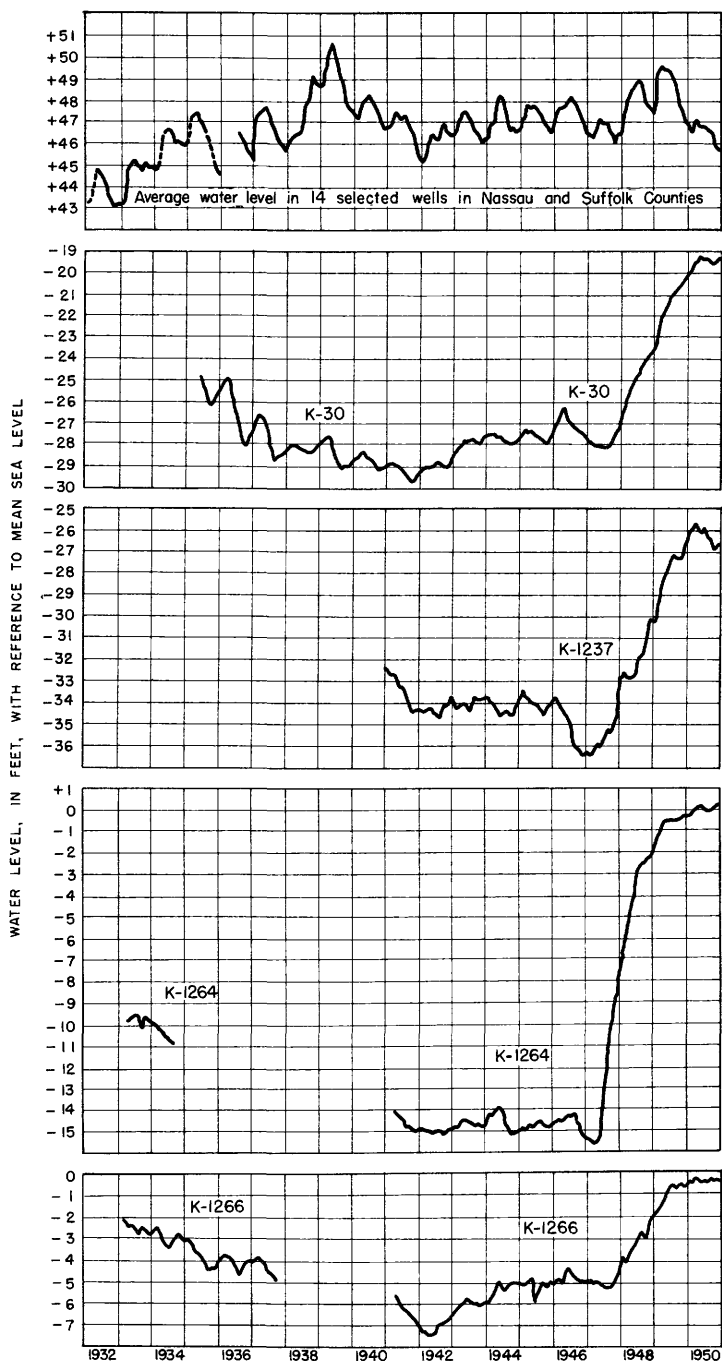


Figure 9. --Monthly water levels in selected water-table wells, Long Island, 1932 - 50.

Prior to 1942, overdevelopment of the ground-water reservoir in Kings County (Brooklyn) had resulted in progressively declining water levels. Because of this overdevelopment a "crater-like" depression was formed in the water table. The bottom of the "crater" was as much as 30 feet below sea level, and water levels in pumped wells were at even greater depths. The decline of water levels was arrested in 1942 and thereafter the water table began to recover slowly at many localities in Brooklyn. The reversal of trend expressed a more favorable balance between recharge (natural and artificial) and pumping. This can be attributed largely to the beneficial effects of the State law passed in 1933 which enabled the State Water Power and Control Commission to require that water pumped from new wells for the purpose of cooling be returned to the ground.

The water table in Brooklyn has recovered very rapidly following a complete shutdown in June 1947 of a private water-supply company whose average daily withdrawal from wells had amounted to about 27 million gallons per day, or approximately 50 percent of the total pumpage in Brooklyn at that time. By the end of 1950, 42 months after the shut-down, recoveries exceeding 19 feet had been measured in Flatbush (central Brooklyn), the former franchise area of the private water-supply company. The abrupt rise of the water level at observation well K1264 (fig. 9), beginning in July 1947 and continuing through the following 42 months, is representative of the recovery that took place at many observation wells in the Flatbush area. In other parts of Brooklyn, smaller recoveries were observed as evidenced by water levels at wells K1237 and K1266 (fig. 9), north and east, respectively, of the Flatbush area. An appreciable rise in water levels was noted also in the highly industrialized area in the northwestern part of Brooklyn, where overdevelopment has always been the greatest. For example, at well K30 (fig. 9), an index well near the center of the "crater", there was a recovery of 8.84 feet in 42 months. Of this, 3.21 feet occurred in 1949 and 1.14 feet in 1950. By the end of 1950, the water level at well K30 was 5.18 feet above the stage measured on the first day of record on June 14, 1935. The water table in Brooklyn recovered by such appreciable amounts in the 42-month period ending December 1950 that it had risen to a position above mean sea level in more than the entire southern half of Kings County. The recovery also extended into the western part of Queens County.

Many of the basic data defining the recovery of water levels in Brooklyn have been released to the files of the U. S. Geological Survey for inspection by the general public. The latest detailed report on this subject is that prepared by Lusczynski.¹ Most of the water-level records obtained on Long Island since 1932 have been collected by the U. S. Geological Survey. Most all of the records collected prior to 1932 and some of the data collected between 1932 and 1936 were obtained by the New York City Board of Water Supply and the New York City Department of Water Supply, Gas and Electricity.

Well-Numbering System

Observation wells are listed alphabetically by counties and numerically within each county.

¹ Lusczynski, N. J., Preliminary report on the recovery of water levels in Brooklyn, N. Y., from June 1947 to December 1950. Typewritten report released to files of the U. S. Geol. Survey.

Summary of data on ground-water levels on Long Island

Well No.	Date of first measurement	Lowest water level	Date	Highest water level	Date
K19	Sept. 10, 1940	a-26.80	Sept. 26, 1941	a12.67	June 4, 1950
K30	June 14, 1935	a-29.75	Nov. 8, 1941	a-19.16	Dec. 31, 1950
K65	Nov. 8, 1937	-28.34	Aug. 25, 1939	-18.95	June 5, 1950
K67	Nov. 8, 1937	-20.91	Sept. 15, 1947	-15.31	Nov. 28, 1950
K92	Dec. 11, 1937	-29.69	Dec. 11, 1937	-13.29	Dec. 20, 1950
K97	Apr. 5, 1944	-26.58	Oct. 27, 1944	-14.66	Apr. 27, 1950
K196	Sept. 12, 1942	-4.76	Mar. 5, 1944	+4.73	June 5, 1950
K519	June 24, 1947	-18.78	June 30, 1947	a-2.89	June 16, 1949
K521	Jan. 1, 1947	a+2.62	Feb. 12, 1947	a+6.85	Dec. 24, 1950
K523	Mar. 6, 1944	-1.91	Feb. 6, 1945	a+3.62	Nov. 25, 1950
K525	Dec. 13, 1945	a+.46	Mar. 10-14, 1947	a+5.35	Apr. 6, 1949
K539	May 3, 1932	-8.28	Feb. 21, 1942	-4.42	June 6, 1949
K889	June 4, 1945	-39.01	Jan. 25, 1947	-24.01	Apr. 27, 1950
K1057	Mar. 29, 1939	(c)	.....	(c)	Dec. 20, 1950
K1141	Oct. 24, 1936	-7.76	July 1, 1947	+1.38	.....
K1194	Nov. 2, 1940	-3.64	Oct. 31, 1947	-.96	Dec. 18, 1950
K1198	Nov. 2, 1940	-8.45	May 14, 1942	-.98	Apr. 27, 1950
K1199	Nov. 16, 1940	-17.17	Jan. 1, 1944	-6.14	June 5, 1950
K1235	Jan. 25, 1941	-10.65	June 27, 1942	-2.03	Dec. 20, 1950
K1236	Jan. 25, 1941	-19.42	Oct. 4, 1941	-8.56	Jan. 25, 1950
K1237	Jan. 18, 1941	-36.53	Jan. 24, 1947	-25.66	Dec. 20, 1950
K1263	Apr. 21, 1933	-11.97	July 21, 1936	+2.27	Apr. 27, 1950
K1264	Apr. 21, 1933	-15.56	Apr. 3, 1947	+2.28	Apr. 18, 1949
			May 7, 1947		Dec. 18, 1950
K1265	Apr. 21, 1933	-11.55	Aug. 22, 1942	-.93	Dec. 27, 1949
K1266	Apr. 21, 1933	-7.49	June 27, 1942	+2.22	Dec. 18, 1950
K1296	Sept. 6, 1941	-8.27	Mar. 7, 1942	+1.03	Mar. 29, 1950
					Dec. 18, 1950
K1347	Oct. 15, 1942	-24.16	Sept. 10, 1945	-15.42	Apr. 27, 1950
K1495	Nov. 5, 1936	+1.80	Aug. 13, 1947	+3.71	Feb. 23, 1949
			Dec. 17, 1947		
K1591	June 27, 1947	a-2.10	Oct. 27, 28, 1947	a+.76	Apr. 11, 1950
N7	July 24, 1936	a+2.54	Aug. 31, 1950	a+12.75	Mar. 9, 1941
N9	July 3, 1936	+20.99	Sept. 11, 1936	+23.57	Sept. 23, 1938
N53	Jan. 21, 1934	+12.05	Feb. 17, 1940	+16.49	Apr. 15, 1939
N67	Mar. 16, 1932	+10.42	Aug. 2, 1949	+15.51	Dec. 5, 1946
N157	Sept. 22, 1932	+75.71	May 5, 1933	a+88.84	Oct. 31, 1939
N180	Oct. 30, 1945	a+17.28	Dec. 25, 1949	a+21.04	Mar. 11, 1949
			Jan. 20, 1950		
N511	Jan. 9, 1947	+18.23	Aug. 1, 1950	+21.52	Dec. 31, 1948
N575	Nov. 30, 1946	+52.44	Aug. 1, 1950	+60.22	Apr. 26, 1949
N657	Feb. 12, 1945	a, b+13.0	Nov. 12, 1947	a+15.5	Nov. 25, 1950
N844	Oct. 3, 1939	a+78.87	Apr. 16, 1942	a+85.48	Aug. 5, 1939
N1102	Apr. 21, 1939	+53.81	July 31, 1942	+58.94	May 31, 1949
N1103	Apr. 21, 1939	+54.06	Nov. 1, 1943	+61.14	May 31, 1949
N1104	Apr. 21, 1939	+55.27	May 1, 1942	+61.88	May 31, 1949
N1105	Apr. 21, 1939	+52.88	Mar. 30, 1942	+58.87	May 31, 1949
N1107	Apr. 21, 1939	+41.64	Feb. 27, 1942	+48.21	Apr. 28, 1939
N1108	Apr. 21, 1939	+36.94	Jan. 30, 1942	+43.62	Apr. 28, 1939
N1109	Apr. 21, 1939	+24.53	Nov. 29, 1949	+30.04	Apr. 21, 1939
N1110	Apr. 21, 1939	+18.68	Dec. 1, 1941	+21.05	Apr. 21, 1939
					June 6, 1946
N1111	Apr. 21, 1939	+11.62	Oct. 25, 1947	+14.79	June 6, 1946
N1112	Jan. 6, 1939	+6.84	Dec. 13, 1941	+10.24	June 6, 1946
N1126	Mar. 12, 1938	+55.27	Jan. 31, 1942	+62.21	Apr. 29, 1939
N1132	Apr. 2, 1938	+6.06	Feb. 24, 1940	+9.77	Sept. 23, 1938
N1140	Jan. 7, 1939	+58.32	Feb. 7, 1942	+66.09	Apr. 29, 1939
N1147	Jan. 6, 1939	+16.48	Nov. 1, 1950	+19.72	Apr. 8, 1939
N1160	Jan. 7, 1939	+63.37	Jan. 31, 1942	+70.90	Apr. 15, 1939
N1167	Mar. 12, 1938	+9.34	Dec. 27, 1949	+12.02	Apr. 15, 1939
N1185	Apr. 2, 1938	+10.01	Dec. 28, 1949	+15.39	Apr. 8, 1939
N1204	Jan. 6, 1939	+5.07	Jan. 26, 1950	+12.26	Apr. 8, 1939
N1212	Jan. 1, 1943	a+83.72	Jan. 20, 1943	a+88.94	Sept. 28, 1949
N1222	Jan. 6, 1939	+1.27	Jan. 31, 1942	+9.67	Apr. 8, 1939
N1234	Jan. 7, 1939	+59.01	Feb. 14, 1942	+66.64	May 6, 1939
N1240	Jan. 6, 1939	-1.08	Jan. 24, 1942	+11.29	Apr. 8, 1939
N1244	May 31, 1940	+71.31	Oct. 30, 1942	+76.50	May 31, 1940
N1245	Feb. 2, 1940	+75.96	Oct. 30, 1942	+82.88	Feb. 2, 1940
N1246	May 31, 1940	+77.14	Aug. 31, 1942	+82.18	Aug. 29, 1949

Summary of data on ground-water levels on Long Island -- cont'd.

Well No.	Date of first measurement	Lowest water level	Date	Highest water level	Date
N1247	Apr. 21, 1939	+70.52	July 31, 1942	+76.98	July 28, 1939
N1249	Apr. 21, 1939	+50.34	Jan. 30, 1942	+58.18	Apr. 21, 1939
N1250	Apr. 21, 1939	+43.20	Jan. 30, 1942	+49.64	Apr. 21, 1939
N1251	Apr. 21, 1939	+35.57	Jan. 30, 1942	+40.54	Apr. 29, 1944
N1252	Apr. 21, 1939	+22.48	Jan. 30, 1942	+26.29	May 30, 1948 June 5, 1946
N1253	Jan. 6, 1939	+11.31	Jan. 31, 1942	+16.89	Apr. 8, 1939
N1255	May 12, 1913	+58.56	Nov. 29, 1950	+65.59	Apr. 15, 1939
N1256	May 12, 1913	+70.30	Feb. 27, 1933	+80.97	May 20, 1939
N1257	Aug. 17, 1932	+5.56	Oct. 31, 1949	+10.17	Apr. 8, 1939
N1259	Feb. 5, 1909	+47.83	Jan. 24, 1933	+56.43	Apr. 29, 1939
N1260	June 6, 1903	+16.52	Dec. 20, 1916	+23.68	Apr. 8, 1939
N1262	Oct. 5, 1931	+32.66	Oct. 5, 1942	+36.20	Apr. 8, 1939
N1263	Nov. 3, 1911	+46.22	Oct. 31, 1932	+54.98	Apr. 22, 1939
N1264	Mar. 7, 1932	+2.70	Feb. 17, 1940	+9.41	Apr. 8, 1939
N1265	Mar. 9, 1939	+2.43	Dec. 1, 1941	+4.69	Jan. 6, 1949
N1269	Mar. 9, 1939	+2.85	Dec. 1, 1949	+9.57	Mar. 14, 1939
N1271	Mar. 9, 1939	+1.02	Nov. 2, 1950	+4.37	Jan. 6, 1949
N1273	Nov. 1, 1939	+4.11	Jan. 27, 1950	+8.03	Mar. 17, 1948
N1275	Nov. 1, 1939	+1.89	Oct. 31, 1941	+5.59	Jan. 6, 1949
N1278	Nov. 3, 1939	+4.87	Jan. 30, 1942	+8.13	June 5, 1946
N1280	Jan. 2, 1940	+2.22	Jan. 30, 1942	+10.79	June 5, 1946
N1282	Nov. 1, 1939	+28	Dec. 29, 1949	+2.58	Jan. 2, 1942
N1285	Nov. 1, 1939	+2.12	Jan. 31, 1940	+4.88	Jan. 6, 1949
N1288	Nov. 1, 1939	+2.21	Jan. 2, 1940	+6.03	Jan. 6, 1949
N1461	Apr. 27, 1943	a+74.34	Oct. 10, 1943	a+79.97	June 6, 1949
N1462	May 6, 1943	+61.26	Nov. 1, 1947	a+66.66	May 24, 25, '49
N1463	May 6, 1943	a+36.61	Oct. 28, 1947 Nov. 3, 1947	a+41.68	Mar. 11, 12, '49
N1464	May 13, 1943	+12.22	Jan. 26, 1950	a+17.59	Apr. 29, 1944
N1613	June 8, 1940	+21.23	June 30, 1950	+24.56	July 28, 1948
N1614	Apr. 2, 1913	+61.90	Feb. 27, 1933	+72.48	May 31, 1949
N1615	Mar. 17, 1913	+41.49	Oct. 27, 1932	+47.17	Mar. 28, 1939
N1616	Mar. 17, 1913	+74.05	Feb. 27, 1933	+85.42	June 1, 1939
N1682	Nov. 30, 1940	+41.29	Feb. 28, 1942	+46.21	May 31, 1949
N1683	Dec. 3, 1940	+53.46	Jan. 31, 1942	+59.83	May 31, 1949
N1684	Nov. 30, 1940	+55.33	Feb. 7, 1942	+62.25	Mar. 31, 1949
N1828	Jan. 7, 1939	+57.80	Dec. 19, 1950	+63.29	May 31, 1949
N1829	Mar. 5, 1938	+66.04	Dec. 18, 1950	a, b+69.39	Sept. 15, 1944
N1830	Jan. 6, 1939	a+49.05	June 7, 1942	+54.23	May 31, 1949
N2052	Mar. 14, 1946	+30.46	Aug. 20, 1947	+33.07	Apr. 1, 1949
N2071	Feb. 12, 1946	+5.37	June 28, 1949	+14.62	Mar. 15, 1946
N2400	July 7, 1947	+70.90	Nov. 1, 1950	+74.10	Sept. 30, 1949
N2528	Dec. 4, 1947	a+68.08	Dec. 27, 28, 1950	a+72.16	June 5, 6, 1949
N2635	July 16, 1948	a+23.78	Dec. 28, 1950	a+27.30	May 23, 1949
N2790	Feb. 11, 1950	+a3.00	July 4, 1950	a+5.09	Nov. 25, 1950
Q64	Mar. 26, 1947	a-68.90	Nov. 2, 1947	-3.46	Nov. 28, 1950
Q273	Mar. 15, 1935	a+1.12	Mar. 21, 1942	a+8.47	Apr. 20, 1939
Q278	June 4, 1946	-6.05	July 6, 1949	+5.11	Nov. 29, 1946
Q283	June 10, 1946	-10.26	Sept. 3, 1947	-4.69	Nov. 29, 1946
Q287	Apr. 13, 1939	(c)	.....	(c)	.....
Q350	Mar. 17, 1937	a- 74	Feb. 7, 10, 11, 1948	+3.51	Apr. 29, 1939
Q470	Sept. 21, 1933	a-12.75	July 15, 1937	a+6.78	Jan. 8, 1938
Q471	Mar. 31, 1939	+13.69	Mar. 31, 1939	+17.45	Sept. 30, 1946
Q543	May 17, 1932	(c)	.....	(c)	.....
Q1027	Jan. 1, 1942	a+4.08	Mar. 20, 1942	a+8.30	May 7, 1949
Q1089	Oct. 10, 1911	- .42	Oct. 17, 1932	+4.04	Sept. 23, 1938
Q1090	Oct. 10, 1911	+1.19	Oct. 17, 1932	+8.29	May 12, 1913
Q1152	June 27, 1947	-6.12	Mar. 28, 1950	+1.15	Apr. 27, 1949
Q1222	Apr. 1, 1940	-9.19	Feb. 28, 1942	+4.35	Dec. 1, 1945
Q1223	Jan. 28, 1933	+4.65	Dec. 30, 1948	+10.23	Apr. 4, 1939
Q1225	Apr. 20, 1933	+24.00	Dec. 19, 1950	+32.19	Apr. 4, 1939
Q1237	Feb. 10, 1939	a-6.92	Mar. 26, 1950	a+5.03	May 4, 1939
Q1248	Oct. 12, 1940	+33.88	Dec. 19, 1950	+38.16	May 31, 1949
Q1249	Oct. 19, 1940	+28.74	Dec. 19, 1950	+33.41	Sept. 26, 1946
Q1250	Oct. 19, 1940	+17.33	Dec. 19, 1950	+22.52	Aug. 31, 1948
Q1251	Oct. 19, 1940	+8.71	Nov. 28, 1950	+14.25	Feb. 24, 1949
Q1252	Oct. 26, 1940	+9.66	Nov. 28, 1950	+13.92	Nov. 2, 1948
Q1253	Nov. 2, 1940	+ 57	Mar. 2, 1948	+4.58	Apr. 26, 1941
Q1254	Oct. 26, 1940	-5.28	Nov. 29, 1949	+ .29	Apr. 12, 1941

Summary of data on ground-water levels on Long Island--cont'd.

Well No.	Date of first measurement	Lowest water level	Date	Highest water level	Date
S3727	July 13, 1943	+29.37	Nov. 27, 1950 Dec. 29, 1950	+33.67	Apr. 27, 1949
S3728	May 28, 1943	+19.47	Apr. 3, 1947	+23.67	Mar. 30, 1949
S3729	Sept. 10, 1943	+27.34	Apr. 4, 1947	+31.40	Apr. 27, 1949 May 24, 1949
S3730	Sept. 21, 1943	+33.49	Dec. 29, 1950	+37.67	May 24, 1949
S3731	May 28, 1943	+22.29	Dec. 29, 1950	+26.74	Apr. 27, 1949
S3732	Oct. 5, 1943	+51.55	Jan. 9, 1948	+57.38	Feb. 28, 1945
S3735	Oct. 1, 1943	+63.02	Feb. 26, 1948	+67.19	Aug. 25, 1949
S3736	July 19, 1943	+41.72	Feb. 5, 1948	+46.70	July 7, 1949
S3737	Aug. 17, 1943	+54.35	Feb. 27, 1948	+58.82	July 28, 1949
S3738	Aug. 19, 1943	+53.99	Feb. 27, 1948	+58.70	July 6, 1949
S3739	July 20, 1943	+26.33	Dec. 29, 1950	+30.04	Mar. 28, 1949
S3760	Nov. 6, 1943	+25.17	Jan. 30, 1945	+26.97	Jan. 12, 1949
S3868	June 26, 1944	+36.72	Dec. 21, 1950	+40.13	Dec. 4, 1949
S3869	June 22, 1944	+53.11	Jan. 28, 1948	+57.24	July 5, 1949
S3870	June 16, 1944	+53.06	Jan. 28, 1948	+56.85	July 6, 1949
S3871	June 15, 1944	+46.17	Feb. 26, 1948	+50.19	July 26, 1949
S3955	May 31, 1944	+52.13	Dec. 21, 1950	+55.78	Aug. 25, 1949
S3956	May 31, 1944	+30.67	Mar. 30, 1948 Dec. 29, 1950	+33.64	Aug. 25, 1949
S4134	Mar. 10, 1945	+11.33	Nov. 23, 1950	+13.83	Apr. 7, 1949
S4268	Aug. 2, 1945	+47.06	Dec. 21, 1950	+50.57	Oct. 5, 1949
S4269	Aug. 2, 1945	+12.69	Oct. 31, 1950	+16.14	May 24, 1949
S4270	Aug. 1, 1945	+50.49	Dec. 21, 1950	+55.41	May 25, 1949
S4271	Aug. 2, 1945	+9.12	Sept. 10-12, 1950	+11.41	June 2-6, 1949
S4367	Aug. 2, 1945	+54.08	Apr. 1, 1948	+57.91	Aug. 24, 1949
S4377	Aug. 1, 1945	+59.58	Nov. 30, 1950	+63.29	May 25, 1949
S4523	Aug. 2, 1945	+8.12	Oct. 5, 1950	+10.04	Jan. 31, 1949
S4524	Aug. 2, 1945	+5.52	Nov. 2, 1950	+8.61	Mar. 31, 1949
S4526	Aug. 2, 1945	+7.47	Dec. 28, 1950	+10.55	May 24, 1949
S4529	Oct. 4, 1945	+10.94	Oct. 5, 1950 Dec. 28, 1950	+13.14	May 24, 1949
S4530	Aug. 2, 1945	+13.91	Dec. 28, 1950	+18.38	Apr. 26, 1949
S4827	Dec. 4, 1946	+55.00	Dec. 21, 1950	+58.16	Nov. 29, 1949
S4828	Dec. 4, 1946	+66.11	Dec. 21, 1950	+69.45	Jan. 30, 1950
S4829	Sept. 30, 1946	+37.13	Jan. 28, 1948	+40.60	Aug. 24, 1949
S7283	Jan. 11, 1949	+1.28	Jan. 28-31, Feb. 1, 2, 1950 Jan. 27, 1948	+3.42	Apr. 1, 1949
S8912	Oct. 30, 1947	+32.90		+35.61	Mar. 30, 1949

a From recorder graph.

b Previously listed incorrectly.

c Water levels affected by tidal fluctuation; extremes not determined as water levels were computed on different bases for period of record.

Net change in water level in wells on Long Island, 1950

Well No.	Net change (feet)	Well No.	Net change (feet)	Well No.	Net change (feet)	Well No.	Net change (feet)
K19 J	+0.87	K1237	+0.01	N1103	-3.00	N1240	+10.50
K30	+1.14	K1263	+1.10	N1104	-3.15	N1244 M	-2.94
K65	+65	K1264	+58	N1105	-3.34	N1245 M	-3.54
K67	+69	K1265 (a)		N1107	-2.12	N1246	-4.07
K92	+1.05	K1266	+98	N1108	-1.29	N1247	-3.06
K97	+92	K1296	+66	N1109	-45	N1249	-91
K196	-24	K1347	+20	N1110	+38	N1250	-54
K519 J	+76	K1495	+38	N1111	-63	N1251	-03
K521 L	+93	K1591 J	+44	N1112	-10	N1252	+98
K523 J	+33	N7 L	+1.60	N1126	-3.47	N1253	+3.04
K525 J	+25	N9 M	+09	N1132	-09	N1255	-1.61
K539	-19	N53	-32	N1140	-1.98	N1256	-3.55
K889	+1.77	N67 L	(b)	N1147	-05	N1257	+48
K1057 L	+1.0	N157 M	-3.16	N1160	(a)	N1259	-85
K1141	+1.04	N180 M	+1.87	N1167	+1.11	N1260	+2.61
K1194	-33	N511 L	-50	N1185	+1.93	N1262	-06
K1198	+08	N575 M	-1.96	N1204	+5.96	N1263	-1.11
K1199	+1.44	N657 L	-1	N1212 M	-3.54	N1264	+5.24
K1235	-05	N844 M	-2.74	N1222	+7.34	N1265	+36
K1236	+1.33	N1102	-2.85	N1234	-1.75	N1269	+4.52

Summary of data on ground-water levels on Long Island -- cont'd.

Well No.	Date of first measurement	Lowest water level	Date	Highest water level	Date
Q1255	Oct. 12, 1911	-6.30	Nov. 3, 1947	+12.03	May 12, 1914
Q1256	Oct. 26, 1940	-6.98	Mar. 14, 1942	-1.70	Apr. 26, 1950
Q1267	Oct. 25, 1946	a-6.68	Sept. 23, 1947	-1.94	Apr. 26, 1950
Q1281	Oct. 11, 1911	-3.62	Mar. 7, 1942	+8.59	June 4, 1913
Q1283	Oct. 12, 1911	+1.75	Dec. 30, 1948	+13.33	Nov. 10, 1911
Q1284	Oct. 12, 1911	+4.67	Nov. 3, 1947	+11.55	June 2, 1913
Q1285	Apr. 20, 1933	+3.67	Mar. 1, 1950	+8.05	May 31, 1941
Q1286	Apr. 20, 1933	+7.00	Nov. 28, 1950	+11.29	Apr. 26, 1941
			Dec. 19, 1950		
Q1287	Apr. 20, 1933	+10.76	Nov. 1, 1950	+15.80	Oct. 5, 1934
Q1288	Apr. 20, 1933	+14.76	Dec. 19, 1950	+22.06	Oct. 5, 1934
Q1289	Apr. 20, 1933	+28.84	Dec. 19, 1950	+34.56	Nov. 8, 1934
Q1290	Apr. 20, 1933	+13.61	Mar. 4, 1947	+19.48	Oct. 5, 1934
S58	Aug. 14, 1944	a+22.36	Nov. 19, 20, 24, 25, 1950	a+25.50	June 11, 1948
S202	Nov. 25, 1936	a+36.93	Feb. 1, 1939	a+47.17	Apr. 10, 1937
S203	Nov. 13, 1936	+70.59	Apr. 28, 1948	a+77.13	Oct. 31, 1939
S1803	Oct. 18, 1912	+14.93	Oct. 25, 1941	+18.19	Apr. 22, 1913
S1805	Oct. 16, 1912	+37.90	Oct. 27, 1932	+47.01	Apr. 8, 1939
S1806	Oct. 18, 1912	+50.61	Jan. 5, 1933	+61.69	Apr. 22, 1939
S18.07	Oct. 19, 1912	+20.59	Sept. 12, 1932	+23.48	Oct. 14, 1938
S1808	Oct. 21, 1912	+9.45	Sept. 12, 1932	+12.94	Sept. 23, 1938
S1809	Oct. 21, 1912	+25.00	Nov. 2, 1932	+32.56	Apr. 15, 1939
S1810	Oct. 21, 1912	+45.24	Feb. 23, 1933	+56.19	Apr. 29, 1939
S1811	Feb. 28, 1937	+51.41	Aug. 28, 1941	+55.56	Apr. 20, 1940
S1812	Apr. 17, 1937	+44.41	Dec. 21, 1950	+51.09	May 27, 1939
S1813	Nov. 4, 1939	+36.49	Dec. 21, 1950	+39.64	June 15, 1940
S1814	Nov. 4, 1939	+34.58	Dec. 21, 1950	+38.96	July 29, 1948
S1815	Dec. 2, 1939	+42.72	Dec. 21, 1950	+47.81	June 29, 1940
S1816	Dec. 2, 1939	+54.20	Dec. 21, 1950	+59.93	June 1, 1940
S1817	Dec. 2, 1939	+50.10	Oct. 27, 1947	+53.95	June 1, 1940
S2314	Mar. 27, 1943	+57.80	Dec. 21, 1950	+61.68	May 25, 1949
S2454	Sept. 21, 1940	+6.70	Oct. 4, 1941	+9.32	Feb. 23, 1949
S2455	June 23, 1933	a+19.98	Nov. 6, 1937	a+24.85	Sept. 23, 1938
S3112	Aug. 30, 1941	+51.49	Dec. 21, 1950	+57.00	May 25, 1949
S3496	Nov. 2, 1942	+45.97	Feb. 27, 1948	+50.76	July 7, 1949
S3497	Nov. 2, 1942	+45.43	Feb. 26, 1948	+50.07	July 1, 1949
S3498	Sept. 11, 1942	+43.28	Jan. 28, 1948	+47.32	May 26, 1949
S3512	Apr. 24, 1942	+65.58	Dec. 21, 1950	+70.02	July 6, 1949
S3513	Apr. 24, 1942	a+59.86	Feb. 15, 21, 23, 1948	a+64.19	July 4, 5, 1949
S3514	May 15, 1942	a+64.43	Dec. 27, 1950	a+68.26	Sept. 28, 1949
S3515	Mar. 5, 1907	+30.68	Dec. 21, 1950	+34.83	June 29, 1948
S3516	Mar. 5, 1907	+35.29	Dec. 21, 1950	+40.26	June 29, 1948
S3517	Apr. 2, 1907	+11.60	Dec. 4, 1909	+14.02	Mar. 28, 1949
S3518	Mar. 22, 1907	+29.72	Nov. 27, 1950	+33.60	June 29, 1948
S3519	Mar. 22, 1907	+23.69	Dec. 3, 1909	+27.20	June 29, 1948
S3521	Feb. 28, 1907	+35.95	Dec. 29, 1950	+38.93	Apr. 27, 1949
S3522	Feb. 6, 1907	+19.11	Nov. 1, 1944	+20.33	Jan. 26, 1949
S3524	Mar. 8, 1907	+21.47	Dec. 30, 1943	+23.57	Mar. 16, 1949
S3526	Jan. 30, 1943	+26.04	Nov. 24, 1950	+30.52	Dec. 30, 1948
S3527	Mar. 7, 1907	+31.19	Dec. 30, 1950	+35.69	June 4, 1908
S3529	Mar. 8, 1907	+24.07	Nov. 29, 1944	+28.46	Apr. 13, 1949
S3530	Mar. 8, 1907	+31.43	Dec. 30, 1950	+35.22	May 24, 1949
S3531	Aug. 9, 1907	+9.14	Dec. 11, 1909	+10.64	July 2, 1948
					Apr. 13, 27, '49
S3532	Apr. 21, 1907	+45.63	Dec. 30, 1950	+51.95	June 8, 1908
S3533	Apr. 4, 1907	+44.99	Dec. 30, 1950	+49.86	June 8, 1908
S3534	June 9, 1907	+26.71	Dec. 31, 1942	+32.53	July 30, 1948
S3535	Aug. 13, 1907	+17.82	Dec. 28, 1950	+21.84	May 11, 1949
S3536	Apr. 10, 1907	+22.83	Nov. 29, 1944	+28.62	June 5, 1908
S3537	Jan. 11, 1908	+14.18	Dec. 26, 1950	+16.72	Mar. 28, 1949
S3538	Jan. 11, 1908	+14.31	Dec. 26, 1950	+18.20	May 23, 1949
S3539	Apr. 12, 1907	+21.99	Dec. 26, 1950	+26.72	June 5, 1908
S3540	Mar. 9, 1907	+18.65	Dec. 26, 1950	+23.02	May 8, 1908
S3541	Mar. 9, 1907	+10.89	Dec. 26, 1950	+14.25	Apr. 25, 1949
S3542	Apr. 12, 1907	+18.55	Apr. 3, 1947	+22.89	June 10, 1908
S3543	Mar. 18, 1907	+15.52	Dec. 26, 1950	+19.65	May 23, 1949
S3544	Mar. 18, 1907	+10.20	Dec. 26, 1950	+13.60	Mar. 28, 1949
S3545	Mar. 12, 1907	+33.60	Dec. 29, 1950	+38.41	Apr. 27, 1949

Net change in water level in wells on Long Island, 1950 -- cont'd.

Well No.	Net change (feet)	Well No.	Net change (feet)	Well No.	Net change (feet)	Well No.	Net change (feet)
N1271	+0.03	Q1090	+0.02	S1814	-1.07	S3543	-1.55
N1273	+2.51	Q1152 J	+4.33	S1815	-1.97	S3544	-.63
N1275	+1.07	Q1222 L	+.92	S1816	-1.21	S3545	-1.49
N1278	+1.54	Q1223	+.71	S1817	-.54	S3727	-.88
N1280	+6.62	Q1225	-1.80	S2314 M	-2.09	S3728	+.14
N1282	+.80	Q1237 J	+7.00	S2454	+.14	S3729	-1.22
N1285	+.71	Q1248	-1.87	S2455	+.59	S3730	-1.44
N1288	+1.28	Q1249	-1.56	S3112	-.88	S3731	-1.59
N1461 M	-2.34	Q1250	-1.70	S3496	-2.48	S3732	-2.48
N1462	-1.35	Q1251	-.39	S3497	-2.24	S3735	-2.70
N1463	+.17	Q1252	-2.11	S3498	-1.67	S3736	-2.86
N1464	+3.35	Q1253	-.57	S3512	-2.47	S3737	-2.71
N1613 M	+.52	Q1254	+.79	S3513	-1.80	S3738	(b)
N1614	-2.67	Q1255	-.86	S3514	-3.06	S3739	-.32
N1615	+.06	Q1256	-.43	S3515	-.33	S3760	(b)
N1616	-2.86	Q1267	-.32	S3516	-.71	S3868	-3.41
N1682	-2.40	Q1281	+.37	S3517	-.25	S3869	-1.48
N1683	-1.40	Q1282	+.47	S3518	-.41	S3870	-2.39
N1684	-2.26	Q1283	+.28	S3519	+.09	S3871	-2.44
N1828	-1.50	Q1284	-1.58	S3521	-.79	S3955	-3.20
N1829	-1.03	Q1285	-.29	S3522	-.03	S3956	-2.50
N1830	-2.58	Q1286	-1.39	S3524	-.39	S4134 M	-.35
N2052 M	+.21	Q1287	+.38	S3526	-1.32	S4268	-3.30
N2071 L	-.92	Q1288	-.82	S3527	-1.35	S4269	-1.63
N2400 M	-2.56	Q1289	-1.68	S3529	-.41	S4270	-2.59
N2528 M	-2.47	Q1290	-1.32	S3530	-1.16	S4271	-1.14
N2635 M	-1.62	S58 M	+.29	S3531	-.16	S4367	(a)
N2790 M	.....	S202 L	-1.63	S3532	-2.13	S4377	-2.20
Q64 L	+.54	S203 M	-3.28	S3533	-1.52	S4523	-.49
Q273 L	-.64	S1803	+.67	S3534	(a)	S4524	-.62
Q278 L	+.48	S1805	-.47	S3535	-1.17	S4526	-1.43
Q283 L	+1.39	S1806	-1.07	S3536	-2.04	S4529	-1.38
Q287 L	+1.1	S1807	+.08	S3537	-.78	S4530	-.90
Q350 J	+.73	S1808	+.33	S3538	-1.69	S4827	-3.12
Q470 L	+1.06	S1809	+.23	S3539	-2.18	S4828 M	-3.21
Q471 M	-.81	S1810	-1.65	S3540	-1.57	S4829	-2.62
Q543 L	+.9	S1811	-.92	S3541	-.65	S7283	+.43
Q1027 L	-.18	S1812	-1.61	S3542	-1.47	S8912	-.12
Q1089	+.21	S1813	-1.01				

J Jameco
L Lloyd
M Magothy

All others are water-table wells.

- a No reading latter part of 1950.
b No reading latter part of 1949 and 1950.

Well Descriptions and Water-Level Measurements

Kings County

(Unless otherwise indicated, all measurements in Kings County are below mean sea level.)

K19. Formerly Kew Pacific Garage. Dean St. and Fifth Ave., Brooklyn. Records available: 1940-50.

Daily mean water level, below mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.75	13.56	13.21	13.07	12.77	12.74	13.22	13.53	14.01	13.96	13.78	13.54
2	13.71	13.48	13.27	12.98	12.83	12.80	13.17	13.61	14.01	13.96	13.82	13.53
3	13.69	13.53	13.35	12.95	12.83	12.74	13.15	13.61	13.97	13.99	13.86	13.40
4	13.75	13.49	13.36	13.00	12.82	12.67	13.15	13.63	13.93	14.01	13.77	13.34
5	13.82	13.45	13.18	13.01	12.84	12.72	13.16	13.63	14.01	14.07	13.72	13.54
6	13.78	13.37	13.19	13.05	12.81	12.83	13.23	13.59	14.05	14.05	13.77	13.56

K19--Continued.

Daily mean water level, below mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
7	13.77	13.45	13.25	13.03	12.79	12.90	13.27	13.60	14.04	14.02	13.81	13.48
8	13.82	13.53	13.14	12.98	12.85	12.94	13.32	13.65	14.05	13.94	13.79	13.41
9	13.70	13.41	13.24	12.97	12.85	12.98	13.27	13.66	14.06	13.86	13.77	13.41
10	13.71	13.47	13.33	12.94	12.79	12.92	13.25	13.69	14.01	13.88	13.80	13.30
11	13.80	13.44	13.26	12.90	12.84	12.88	13.31	13.71	13.98	13.94	13.83	13.24
12	13.85	13.39	13.14	12.94	12.84	12.93	13.33	13.74	14.07	13.90	13.78	13.33
13	13.74	13.38	13.07	12.94	12.79	12.99	13.25	13.73	14.08	13.95	13.73	13.38
14	13.70	13.38	13.19	12.93	12.80	13.00	13.33	13.73	14.08	13.99	13.78	13.38
15	13.70	13.34	13.18	12.94	12.74	13.04	13.41	13.77	14.09	13.94	13.76	13.34
16	13.64	13.37	13.15	12.88	12.78	13.04	13.34	13.79	14.06	13.93	13.71	13.35
17	13.74	13.38	13.11	12.83	12.83	13.02	13.28	.....	14.04	13.93	13.72	13.28
18	13.63	13.38	13.13	12.88	12.85	13.01	13.34	13.82	14.05	13.91	13.71	13.23
19	13.73	13.26	13.19	12.90	12.83	12.95	13.40	13.82	14.07	13.91	13.68	13.31
20	13.76	13.32	13.15	12.87	12.82	13.01	13.40	13.74	14.11	13.92	13.56	13.32
21	.....	13.36	13.08	12.90	12.76	13.02	13.41	13.77	14.11	13.93	13.62	13.31
22	.....	13.28	13.11	12.93	12.79	13.09	13.42	13.85	14.08	13.84	13.63	13.25
23	13.56	13.27	13.00	12.82	12.79	13.10	13.39	13.89	14.06	13.79	13.64	13.20
24	13.61	13.34	13.10	12.85	12.77	13.08	13.37	13.82	14.06	13.86	13.58	13.06
25	13.64	13.34	13.14	12.88	12.78	13.02	13.41	13.92	14.04	13.83	13.50	13.07
26	13.59	13.34	13.11	12.88	12.80	13.03	13.45	13.92	14.07	13.88	13.49	13.07
27	13.65	13.25	12.99	12.91	12.79	13.10	13.47	13.87	14.07	13.89	13.46	13.19
28	13.61	13.28	12.98	12.87	12.72	13.17	13.48	13.84	14.05	13.86	13.47	13.15
29	13.46		13.06	12.90	12.70	13.21	13.48	13.89	14.03	13.78	13.47	13.08
30	13.52		13.14	12.83	12.73	13.21	13.45	13.95	14.02	13.72	13.51	13.05
31	13.52		13.13		12.73		13.46	13.99		13.78		12.97

K30. Detecto Scales Inc. Park and Nostrand Aves. Records available: 1935-50.

Daily mean water level, below mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.27	19.93	19.63	19.48	19.30	19.20	19.37	19.29	19.39	19.54	19.54	19.41
2	20.22	19.91	19.62	19.47	19.27	19.21	19.38	19.29	19.40	19.54	19.53	19.43
3	20.17	19.91	19.67	19.43	19.26	19.21	19.38	19.30	19.42	19.52	19.53	19.42
4	20.14	19.93	19.70	19.41	19.26	19.19	19.36	19.31	19.41	19.49	19.53	19.36
5	20.15	19.93	19.67	19.39	19.27	19.18	19.34	19.32	19.41	19.50	19.51	19.36
6	20.15	19.88	19.61	19.40	19.28	19.18	19.32	19.32	19.42	19.53	19.53	19.42
7	20.13	19.86	19.61	19.44	19.27	19.22	19.32	19.32	19.43	19.55	19.54	19.43
8	20.17	19.90	19.58	19.44	19.27	19.26	19.33	19.32	19.44	19.56	19.55	19.41
9	20.13	19.88	19.56	19.44	19.26	19.28	19.33	19.32	19.45	19.53	19.55	19.39
10	20.07	19.86	19.64	19.43	19.25	19.28	19.32	19.33	19.45	19.49	19.55	19.37
11	20.09	19.86	19.66	19.39	19.24	19.27	19.31	19.33	19.44	19.48	19.57	19.31
12	20.17	19.86	19.62	19.37	19.25	19.27	19.30	19.35	19.43	19.48	19.58	19.28
13	20.12	19.83	19.57	19.36	19.24	19.27	19.29	19.35	19.45	19.49	19.58	19.29
14	20.07	19.81	19.54	19.36	19.24	19.28	19.29	19.34	19.45	19.55	19.58	19.31
15	20.10	19.78	19.55	19.38	19.23	19.29	19.34	19.34	19.45	19.57	19.58	19.31
16	20.05	19.76	19.54	19.39	19.21	19.31	19.36	19.34	19.46	19.58	19.57	19.30
17	20.06	19.76	19.53	19.37	19.21	19.30	19.34	19.35	19.48	19.58	19.55	19.31
18	20.01	19.79	19.52	19.34	19.23	19.32	19.31	19.37	19.49	19.57	19.55	19.29
19	20.04	19.76	19.59	19.33	19.24	19.31	19.30	19.38	19.48	19.57	19.55	19.27
20	20.08	19.74	19.57	19.31	19.25	19.30	19.30	19.37	19.47	19.55	19.53	19.26
21	20.09	19.74	19.51	19.30	19.25	19.30	19.32	19.35	19.47	19.55	19.49	19.26
22	20.03	19.71	19.48	19.31	19.24	19.33	19.35	19.35	19.46	19.56	19.49	19.27
23	19.97	19.68	19.43	19.31	19.23	19.35	19.37	19.37	19.44	19.54	19.52	19.25
24	19.96	19.72	19.44	19.29	19.22	19.35	19.36	19.40	19.45	19.54	19.53	19.23
25	19.99	19.73	19.49	19.29	19.23	19.34	19.33	19.41	19.48	19.54	19.48	19.22
26	19.98	19.72	19.51	19.28	19.24	19.32	19.32	19.41	19.49	19.55	19.45	19.21
27	19.99	19.69	19.49	19.30	19.26	19.30	19.32	19.41	19.51	19.59	19.43	19.20
28	20.02	19.67	19.43	19.32	19.27	19.31	19.33	19.39	19.52	19.62	19.41	19.21
29	19.97		19.41	19.33	19.26	19.33	19.33	19.37	19.54	19.61	19.39	19.19
30	19.93		19.44	19.33	19.24	19.35	19.32	19.36	19.55	19.58	19.39	19.17
31	19.92		19.48		19.22		19.30	19.38		19.55		19.16

K65. A. Ludwig Co. well 2. 123 Middleton St. Records available: 1937-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	19.43	Apr. 27	19.09	July 27	19.13	Oct. 31	19.20
Mar. 1	19.20	June 5	18.95	Aug. 29	19.27	Nov. 28	18.95
29	19.03	29	19.19	Sept. 27	19.43	Dec. 20	18.96

K67. Young Mens' Christian Association. 179 Marcy Ave. Records available: 1937-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	15.80	Apr. 27	15.63	July 27	16.05	Oct. 31	15.55
Mar. 1	15.70	June 5	15.58	Aug. 29	16.10	Nov. 28	15.40
29	15.65	29	15.88	Sept. 27	15.80	Dec. 20	15.31

K92. St. John's University. 75 Lewis Ave. Records available: 1937-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	14.01	Apr. 27	13.29	July 27	13.93	Oct. 31	13.99
Mar. 1	13.63	June 5	13.39	Aug. 29	14.05	Nov. 28	13.61
29	13.43	29	13.71	Sept. 27	14.20	Dec. 20	13.40

K97. Formerly owned by Colony Foods. Grand and Lexington Aves. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	15.49	Apr. 27	14.85	July 27	14.69	Oct. 31	15.18
Mar. 1	15.16	June 5	14.66	Aug. 29	14.97	Nov. 28	15.01
29	14.95	29	14.77	Sept. 27	15.17	Dec. 20	14.92

*K196. Knickerbocker Ice Co. well 1. Twelfth Ave. and 37th St. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	3.99	Mar. 30	3.97	June 13	3.93	Sept. 26	3.67
25	3.99	Apr. 17	4.05	28	3.90	Oct. 30	3.78
Feb. 9	4.05	May 4	4.05	July 12	3.87	Nov. 27	3.82
28	3.99	18	4.00	26	3.81	Dec. 18	3.90
Mar. 16	4.00	June 1	3.99	Aug. 28	3.74		

K519. New York Water Service Corp. 543-545 Troy Ave. Records available: 1947-50.

Daily mean water level, below mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.62	3.58	3.34	3.29	3.07	3.05	3.11	3.15	3.31	3.29	3.19	3.17
2	3.58	3.46	3.41	3.21	3.11	3.11	3.09	3.21	3.32	3.31	3.20	3.17
3	3.53	3.53	3.51	3.20	3.12	3.04	3.05	3.20	3.31	3.27	3.25	3.05
4	3.56	3.54	3.53	3.21	3.10	2.99	3.04	3.21	3.29	3.25	3.15	2.95
5	3.63	3.55	3.36	3.20	3.13	3.03	3.05	3.20	3.36	3.34	3.15	3.18
6	3.61	3.44	3.36	3.25	3.08	3.11	3.07	3.20	3.38	3.35	3.27	3.25
7	3.60	3.50	3.44	3.26	3.07	3.15	3.11	3.22	3.34	3.36	3.28	...
8	3.69	3.62	3.31	3.20	3.16	3.16	3.15	3.23	3.34	3.27	3.25	3.09
9	3.59	3.46	3.36	3.22	3.16	3.15	3.14	3.24	3.33	3.21	3.21	3.08
10	3.56	3.53	3.50	3.22	3.08	3.07	3.12	3.22	3.30	3.20	3.24	3.02
11	3.62	3.52	3.45	3.15	3.11	3.04	3.12	3.22	3.26	3.24	3.28	2.94
12	3.73	3.51	3.33	3.17	3.11	3.10	3.11	3.27	3.35	3.20	3.26	3.03
13	3.59	3.51	3.28	3.17	3.05	3.13	3.03	3.26	3.35	3.27	3.24	3.11
14	3.54	3.50	3.37	3.16	3.10	3.10	3.11	3.27	3.31	3.34	3.29	3.12
15	3.62	3.41	3.37	3.19	3.06	3.11	3.18	3.27	3.28	3.34	3.25	3.06
16	3.52	3.44	3.35	3.16	3.07	3.10	3.14	3.28	3.29	3.37	3.17	3.07
17	3.64	3.47	3.30	3.11	3.12	3.04	3.06	3.29	3.34	3.35	3.16	3.07
18	3.50	3.49	3.29	3.13	3.14	3.09	...	3.28	3.35	3.31	3.18	3.02
19	3.62	3.38	3.40	3.17	3.11	3.03	...	3.26	3.31	3.28	3.18	3.10
20	3.66	3.45	3.38	3.13	3.10	3.05	...	3.19	3.33	3.25	3.05	3.13
21	3.61	3.51	3.29	3.13	3.07	3.04	3.17	3.25	3.31	3.28	3.12	3.14
22	3.50	3.40	3.32	3.18	3.11	3.11	3.19	3.31	3.26	3.22	3.22	3.05
23	3.47	3.38	3.15	3.08	3.12	3.09	3.19	3.33	3.25	3.19	3.21	3.01
24	3.54	3.46	3.28	3.12	3.08	3.05	3.16	3.34	3.32	3.26	3.19	2.89
25	3.58	3.48	3.33	3.15	3.08	3.00	3.12	3.32	3.35	3.21	3.03	2.97
26	3.52	3.42	3.34	3.13	3.09	3.01	3.14	3.33	3.38	3.29	3.10	2.98
27	3.60	3.43	3.25	3.18	3.08	3.02	3.14	3.31	3.39	3.31	3.11	3.12
28	3.59	3.46	3.16	3.14	3.05	3.09	3.12	3.26	3.38	3.28	3.07	3.09
29	3.43		3.23	3.17	3.03	3.10	3.12	3.26	3.36	3.21	3.07	2.99
30	3.50		3.33	3.14	3.04	3.11	3.11	3.30	3.33	3.16	3.11	3.00
31	3.52		3.35		3.05		3.13	3.33		3.20		2.94

K521. New York Water Service Corp. 1065 Utica Ave. Measurement discontinued after recording gage removed Dec. 29, 1950. Records available: 1947-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.26	5.59	5.62	5.56	5.87	6.04	5.85	5.71	5.70	5.70	6.02	6.04
2	5.37	5.75	5.53	5.76	5.85	5.91	5.83	5.68	5.65	5.70	6.08	5.98
3	5.54	5.57	5.23	5.80	5.83	5.92	5.85	5.73	5.71	5.76	6.08	6.05
4	5.56	5.43	5.11	5.80	5.82	5.92	5.86	5.74	5.82	5.77	6.27	6.26
5	5.39	5.36	5.33	5.80	5.80	5.79	5.87	5.71	5.73	5.70	6.40	6.16

* Water levels are above msl.

K521--Continued.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	5.42	5.52	5.37	5.68	5.87	5.72	5.92	5.71	5.64	5.70	6.08	6.00
7	5.42	5.51	5.24	5.62	5.85	5.65	5.87	5.75	5.60	5.73	6.03	6.10
8	5.17	5.49	5.51	5.89	5.65	5.62	5.80	5.77	5.57	5.87	6.08	6.43
9	5.31	5.72	5.55	5.93	5.57	5.58	5.75	5.71	5.60	6.02	6.15	6.44
10	5.43	5.63	5.07	5.80	5.65	5.66	5.73	5.65	5.67	6.08	6.14	6.44
11	5.43	5.69	5.01	5.81	5.60	5.69	5.73	5.59	5.79	6.10	6.06	6.64
12	5.16	5.71	5.22	5.82	5.60	5.63	5.71	5.54	5.93	6.17	6.05	6.55
13	5.34	5.68	5.47	5.83	5.74	5.63	5.71	5.59	6.08	6.04	6.03	6.31
14	5.48	5.83	5.47	5.78	5.78	5.65	5.63	5.60	6.13	5.76	5.92	6.17
15	5.27	6.15	5.40	....	5.88	5.68	5.52	5.59	6.09	5.70	5.91	6.20
16	5.38	6.13	5.36	....	5.93	5.71	5.62	5.60	5.94	5.70	5.95	6.32
17	5.23	6.03	5.51	....	5.92	5.82	5.73	5.59	5.79	5.70	5.98	6.35
18	5.36	5.95	5.57	....	5.91	5.73	5.74	5.59	5.75	5.69	5.95	6.30
19	5.29	6.03	5.17	....	5.93	5.75	5.68	5.67	5.75	5.71	5.90	6.19
20	5.26	5.78	5.19	....	5.98	5.77	5.72	5.86	5.71	5.81	6.05	6.05
21	5.32	5.48	5.42	....	....	5.82	5.68	5.85	5.77	5.78	6.10	5.97
22	5.48	5.65	5.57	5.70	....	5.73	5.65	5.75	5.91	5.88	5.79	6.02
23	5.56	5.89	5.97	5.80	5.84	5.69	5.65	5.66	6.03	6.03	5.70	5.99
24	5.55	5.77	5.81	5.81	5.84	5.73	5.70	5.61	5.91	6.10	5.85	6.13
25	5.56	5.52	5.72	5.80	5.82	5.81	5.73	5.63	5.79	6.18	6.85	6.01
26	5.60	5.50	5.63	5.85	5.81	5.86	5.67	5.64	5.69	6.05	6.75	5.87
27	5.39	5.41	5.75	5.78	5.81	5.89	5.63	5.69	5.61	5.93	6.70	5.78
28	5.40	5.43	5.89	5.83	5.87	5.85	5.62	5.75	5.61	6.02	6.66	5.81
29	5.62	....	5.80	5.76	5.93	5.82	5.66	5.75	5.61	6.05	6.52	5.98
30	5.51	....	5.58	5.77	5.99	5.83	5.71	....	5.65	6.07	6.26	....
31	5.54	....	5.46	....	6.01	....	5.71	....	....	6.02	....	....

K523. New York Water Service Corp. 267 Newkirk Ave. Records available: 1944-50.

Daily mean water level, above mean sea level, from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	2.81	Jan. 16	2.78	Jan. 31	2.74	Mar. 30	2.90
2	2.81	17	2.76	Feb. 1	2.72	Apr. 17	2.98
3	2.84	18	2.82	2	2.76	May 4	2.99
4	2.83	19	2.76	3	2.73	18	2.96
5	2.80	20	2.74	4	2.72	June 1	2.98
6	2.83	21	2.75	5	2.72	13	2.99
7	2.81	22	2.78	6	2.76	28	2.91
8	2.77	23	2.78	7	2.74	July 12	2.88
9	2.80	24	2.75	8	2.71	26	2.88
10	2.82	25	2.73	9	2.77	Aug. 28	2.82
11	2.78	26	2.75	10	2.75	Sept. 26	2.85
12	2.76	27	2.72	11	2.74	Oct. 30	2.95
13	2.80	28	2.73	28	2.85	Nov. 27	3.02
14	2.81	29	2.78	Mar. 16	2.90	Dec. 18	3.12
15	2.77	30	2.74				

K525. New York Water Service Corp. 363 Dahill Road. Records available: 1945-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.45	4.38	4.55	....	4.61	4.60	4.48	4.45	4.39	4.41	4.48	4.55
2	4.46	4.43	4.53	....	4.61	4.56	4.48	4.43	4.38	4.40	4.49	4.55
3	4.50	4.39	4.48	....	4.61	4.59	4.49	4.44	4.37	4.43	4.47	4.58
4	4.49	4.39	4.47	....	4.62	4.61	4.49	4.44	4.38	4.45	4.50	4.61
5	4.46	4.37	4.54	....	4.61	4.58	4.49	4.44	4.35	4.42	4.50	4.54
6	4.49	4.43	4.53	....	4.64	4.56	4.49	4.43	4.35	4.41	4.47	4.51
7	4.48	4.40	4.51	....	4.63	4.54	4.47	4.42	4.36	4.41	4.48	4.55
8	....	4.37	4.57	....	....	4.55	4.46	4.42	4.36	4.43	4.51	4.59
9	....	4.43	4.53	....	....	4.56	4.45	4.42	4.37	....	4.53	4.60
10	....	4.41	4.49	....	....	4.59	4.45	4.43	4.37	....	4.52	4.61
11	....	4.41	4.50	....	....	4.58	4.46	4.43	4.39	....	4.51	4.64
12	....	4.39	....	....	....	4.55	....	4.41	4.36	....	4.52	4.62
13	....	4.38	....	....	4.62	4.55	....	4.40	4.36	4.45	4.53	4.60
14	4.48	4.40	....	....	4.60	4.56	4.46	4.40	4.38	4.43	4.52	4.60
15	4.44	4.45	....	4.57	4.62	4.55	4.43	4.40	4.40	....	4.53	4.63
16	4.46	4.45	....	4.58	4.61	4.56	4.45	4.39	4.38	....	4.55	4.62
17	4.43	4.44	....	4.59	4.59	4.57	4.47	4.39	4.35	....	4.56	4.62
18	4.50	4.43	....	4.60	4.58	4.55	4.49	4.38	4.36	....	4.55	4.64

K525--Continued.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19	4.44	4.48	....	4.60	4.59	4.56	4.46	4.39	4.39	....	4.54	4.63
20	4.42	4.44	....	4.61	4.58	4.54	4.47	4.41	4.39	4.46	4.58	4.62
21	4.40	4.45	....	4.61	4.58	4.55	4.45	4.38	4.41	4.44	4.56	4.62
22	4.45	4.50	....	4.58	4.56	4.52	4.44	4.37	4.44	4.45	4.52	4.65
23	4.44	4.51	....	4.61	4.57	4.54	4.43	4.36	4.44	4.45	4.51	4.66
24	4.42	4.50	....	4.60	4.58	4.55	4.45	4.36	4.40	4.44	4.51	4.69
25	4.40	4.48	....	4.60	4.58	4.55	4.47	4.36	4.39	4.46	4.58	4.65
26	4.42	4.50	....	4.61	4.57	4.53	4.47	4.36	4.38	4.44	4.56	4.66
27	4.38	4.49	....	4.58	4.58	4.54	4.47	4.36	4.38	4.42	4.55	4.63
28	4.39	4.50	....	4.59	4.58	4.51	4.47	4.38	4.38	4.44	4.58	4.64
29	4.44	....	....	4.59	4.59	4.51	4.47	4.39	4.39	4.46	4.59	4.69
30	4.41	....	....	4.59	4.60	4.49	4.46	4.37	4.41	4.48	4.58	4.69
31	4.41	....	....	....	4.59	....	4.44	4.37	....	4.48	....	4.69

j Interpolated.

K539. New York City Department of Water Supply, Gas and Electricity. Atlantic Ave. and Logan St. Records available: 1932-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	0.72	Apr. 27	0.42	July 25	0.61	Oct. 30	0.88
Feb. 28	.55	June 5	.46	Aug. 28	.74	Nov. 27	.76
Mar. 29	.44	27	.52	Sept. 26	.87	Dec. 18	.85

K889. Finest Steam Laundry. 199 Bogart St. Records available: 1945-50.

Jan. 26	25.69	Apr. 27	24.97	July 27	24.48	Oct. 31	24.76
Mar. 1	25.44	June 5	24.63	Aug. 29	24.63	Nov. 28	24.60
29	24.90	29	24.52	Sept. 27	24.78	Dec. 20	24.01

K1057. U. S. Navy, Floyd Bennett Airport, Barren Island. Records available: 1939-42, 1944-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.7	9.0	9.1	9.1	9.3	9.3	8.8	7.8	7.4	7.8	8.8	8.9
2	8.7	9.2	8.8	9.3	9.2	9.1	8.6	7.8	7.4	7.8	8.9	8.9
3	9.0	8.7	8.3	9.2	9.2	9.1	8.7	7.9	7.5	7.9	8.9	9.1
4	8.8	8.6	8.4	9.1	9.2	9.1	8.7	7.8	7.6	8.0	9.3	9.5
5	8.5	8.6	8.9	9.1	9.2	9.0	8.7	7.7	7.4	7.9	9.0	9.3
6	8.9	9.0	8.7	8.9	9.3	9.0	8.8	7.8	7.3	7.9	8.5	9.0
7	8.8	9.0	8.7	9.1	9.1	8.8	8.6	7.8	7.2	8.0	8.6	9.2
8	8.3	9.0	9.3	9.7	8.8	8.7	8.4	7.7	7.2	8.1	8.8	9.6
9	8.7	9.2	8.8	9.2	8.9	8.7	8.3	7.5	7.3	8.3	8.9	9.3
10	8.9	9.0	8.1	8.8	9.0	8.9	8.3	7.5	7.4	8.5	8.9	9.4
11	8.5	9.1	8.5	9.2	9.0	8.9	8.2	7.5	7.7	8.4	8.8	9.7
12	8.3	9.0	8.9	9.2	9.1	8.9	8.1	7.5	8.0	8.5	8.7	9.5
13	8.9	8.9	9.4	9.3	9.3	8.8	8.2	7.5	7.9	8.0	8.7	9.1
14	8.9	9.4	8.8	9.1	9.3	8.9	8.0	7.5	7.7	7.8	8.5	9.0
15	8.3	9.8	8.8	9.2	9.5	8.9	7.9	7.5	...	8.0	8.6	9.2
16	8.8	9.5	8.8	9.2	9.5	8.9	8.0	7.5	...	8.0	8.8	9.5
17	8.3	9.2	9.2	9.2	9.4	9.0	8.1	7.5	...	8.0	8.9	9.4
18	8.7	9.1	8.8	9.2	9.3	8.8	8.1	7.5	...	8.0	8.8	9.2
19	8.7	9.3	8.4	9.1	9.4	8.9	8.0	7.6	...	8.2	8.8	9.1
20	8.5	8.7	8.6	9.3	9.4	9.0	8.1	7.8	...	8.3	9.0	8.8
21	8.6	8.5	9.2	9.2	9.4	9.0	8.0	7.7	...	8.3	9.0	8.9
22	8.9	9.1	9.3	9.1	9.2	8.8	7.9	7.4	...	8.5	8.5	9.0
23	9.0	9.6	9.8	9.3	9.0	8.7	7.9	7.4	...	8.9	8.7	9.0
24	9.0	9.0	9.2	9.3	9.1	8.8	7.9	7.3	...	8.8	9.1	9.4
25	9.0	8.5	9.1	9.3	9.1	9.0	8.0	7.3	...	8.8	10.6	9.0
26	8.8	8.8	8.9	9.4	9.1	9.0	7.8	7.3	...	8.4	10.0	9.0
27	8.5	8.6	9.2	9.2	9.1	9.1	7.8	7.4	...	8.4	9.6	8.9
28	8.8	8.9	9.3	9.2	9.2	8.9	7.9	7.5	...	8.6	9.6	9.0
29	9.0	....	9.2	9.1	9.3	8.8	7.9	7.5	...	8.6	9.4	9.3
30	8.7	....	8.8	9.1	9.3	8.8	7.9	7.4	...	8.7	9.0	9.4
31	9.1	....	8.8	....	9.3	....	7.9	7.4	....	8.7	....	9.5

*K1141. New York City Department of Water Supply, Gas and Electricity. Former Canarsie pumping station well 17. Ave. D and Remsen Ave. Records available: 1936-41, 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	0.30	Mar. 30	1.03	June 13	1.06	Sept. 26	0.90
25	.35	Apr. 17	1.12	28	1.05	Oct. 30	1.01
Feb. 9	.52	May 4	1.11	July 12	1.10	Nov. 27	1.12
28	.89	18	1.05	26	1.09	Dec. 18	1.38

K1194. New York City Department of Water Supply, Gas and Electricity. Atlantic and Nichols Aves. Records available: 1940-43, 1945-50.

Jan. 25	1.34	Apr. 27	0.96	July 25	1.36	Oct. 30	1.70
Feb. 28	1.15	June 5	1.06	Aug. 28	1.53	Nov. 27	1.74
Mar. 29	.98	27	1.18	Sept. 26	1.68	Dec. 18	1.65

K1198. New York City Department of Water Supply, Gas and Electricity. Cleveland and Fulton Sts. Records available: 1940-50.

Jan. 25	1.17	Apr. 27	0.99	July 26	1.16	Oct. 30	1.31
Mar. 1	1.08	June 5	.98	Aug. 28	1.23	Nov. 27	1.33
29	1.00	28	1.12	Sept. 27	1.31	Dec. 18	1.29

K1199. New York City Department of Water Supply, Gas and Electricity. Jefferson and Howard Aves. Records available: 1940-50.

Jan. 26	7.00	Apr. 27	6.47	July 26	6.72	Oct. 31	6.85
Mar. 1	6.76	June 5	6.49	Aug. 29	6.86	Nov. 28	6.80
29	6.52	28	6.56	Sept. 27	6.84	Dec. 20	6.14

K1235. New York City Department of Water Supply, Gas and Electricity. Fulton St. and Pennsylvania Ave. Records available: 1941-50.

Jan. 25	2.03	Apr. 27	2.66	July 26	2.91	Oct. 30	2.92
Mar. 1	2.58	June 5	2.55	Aug. 28	2.96	Nov. 27	2.75
29	2.33	28	2.76	Sept. 27	2.37	Dec. 18	2.21

K1236. New York City Department of Water Supply, Gas and Electricity. Lexington and Patchen Aves. Records available: 1941-50.

Jan. 26	9.71	Apr. 27	8.80	July 27	9.37	Oct. 31	9.56
Mar. 1	9.66	June 5	9.21	Aug. 29	9.42	Nov. 28	9.38
29	9.28	29	9.40	Sept. 27	9.50	Dec. 20	8.56

K1237. New York City Department of Water Supply, Gas and Electricity. Delmonico Place and Hopkins St. Records available: 1941-50.

Jan. 26	26.08	Apr. 27	25.66	July 27	25.86	Oct. 31	26.92
Mar. 1	25.80	June 5	25.84	Aug. 29	26.17	Nov. 28	26.71
29	25.94	29	26.08	Sept. 27	26.62	Dec. 20	26.38

*K1263. New York City Department of Water Supply, Gas and Electricity. East 16th St. and Cortelyou Road. Records available: 1933-36, 1941-50.

Jan. 12	1.82	Mar. 30	1.91	June 6	2.00	Aug. 28	1.80
25	1.82	Apr. 17	1.95	13	1.96	Sept. 26	1.75
Feb. 9	1.80	May 4	1.98	28	1.94	Oct. 30	1.92
28	1.93	18	2.02	July 12	1.90	Nov. 27	2.00
Mar. 16	1.93	June 1	2.04	26	1.87	Dec. 18	2.11

K1264. New York City Department of Water Supply, Gas and Electricity. East 37th St. and Snyder Ave. Records available: 1933-35, 1941-50.

Jan. 12	0.30	Mar. 30	0.09	June 13	+0.13	Sept. 26	0.04
25	.26	Apr. 17	+ .08	28	+ .15	Oct. 30	+ .13
Feb. 9	.15	May 4	+ .14	July 12	+ .15	Nov. 27	+ .15
28	.16	18	+ .12	26	+ .10	Dec. 18	+ .28
Mar. 16	.08	June 1	+ .19	Aug. 28	+ .02		

K1265. New York City Department of Water Supply, Gas and Electricity. Riverdale Ave. and Thatford St. Records available: 1933-35, 1941-49. No measurement made in 1950.

K1266. New York City Department of Water Supply, Gas and Electricity. Vermont St. and Livonia Ave. Records available: 1933-37, 1941-50.

* Water levels are above msl.

K1266--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	0.49	Apr. 27	0.20	July 26	0.35	Oct. 30	0.32
Feb. 28	.40	June 5	.36	Aug. 28	.33	Nov. 27	.30
Mar. 29	.52	28	.40	Sept. 26	.51	Dec. 18	.22

K1296. New York City Department of Water Supply, Gas and Electricity. Blake Ave. and Crystal St. Records available: 1941-50. Water levels are above msl.

Jan. 26	0.38	Apr. 27	0.81	July 26	0.80	Oct. 30	0.51
Feb. 28	.96	June 5	.80	Aug. 28	.84	Nov. 27	.61
Mar. 29	1.03	28	.63	Sept. 26	.62	Dec. 18	1.03

K1347. R. K. O. Albee Theatre. DeKalb Ave. and Fulton St. Records available: 1942-50.

Jan. 26	17.23	Apr. 27	15.42	July 27	18.82	Oct. 31	17.18
Mar. 1	16.92	June 5	16.10	Aug. 29	19.58	Nov. 28	16.71
29	16.41	29	17.48	Sept. 27	18.17	Dec. 20	17.07

K1495. New York City Department of Water Supply, Gas and Electricity. Ave. S and E. 16th St. Records available: 1936-43 (as K535), 1945-50.

Water level above mean sea level

Jan. 25	3.16	Apr. 27	2.89	Aug. 28	3.04	Oct. 30	3.03
Feb. 28	3.36	July 3	2.85	Sept. 26	3.05	Nov. 27	3.16
Mar. 29	2.90	26	2.95				

K1591. New York City Department of Water Supply, Gas and Electricity. Blake Ave. and Crystal St. Records available: 1947-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.19	0.17	0.66	0.69	0.64	0.60	0.44	0.55	0.57	...	...	0.43
2	.21	.26	.62	.72	.64	.57	.43	.53	.56	...	...	.42
3	.26	.23	.54	.73	.65	.61	.45	.53	.55	...	...	.46
4	.27	.23	.52	.74	.66	.64	.45	.54	.55	...	0.31	.52
5	.25	.22	.61	.75	.66	.60	.43	.55	.50	...	.32	.42
6	.25	.29	.59	.72	.69	.57	.45	.53	.46	...	.25	.38
7	.25	.28	.55	.71	.69	.53	.42	.50	.47	0.32	.24	.43
8	.15	.22	.66	.75	.62	.52	.40	.50	.47	.34	.27	.53
9	.20	.32	.60	.72	.62	.52	.39	.49	.46	.36	.31	.57
10	.24	.31	.51	.70	.68	.56	.41	.50	.46	.39	.30	.60
11	.19	.31	.53	.76	.65	.56	.50	.49	.48	.38	.27	.65
12	.14	.29	.58	.75	.65	.49	.54	.46	.46	.41	.27	.64
13	.22	.29	.62	.75	.68	.49	.57	.45	.47	.36	.27	.60
14	.25	.33	.56	.74	.63	.50	.54	.45	.52	.32	.25	.59
15	.18	.43	.57	.70	.65	.49	.50	.45	.56	.30	.26	.61
16	.22	.46	.57	.69	.64	.50	.53	.44	.53	.28	.30	.61
17	.17	.48	.60	.71	.61	.53	.59	.43	.47	.29	.32	.60
18	.27	.48	.59	.70	.61	.47	.61	.43	.46	.31	.29	.62
19	.20	.53	.49	.68	.62	.49	.59	.46	.50	.33	.26	.61
20	.16	.52	.49	.71	.63	.47	.61	.55	.49	.34	.32	.59
21	.17	.54	.58	.69	.62	.48	.59	.56	.50	.30	.33	.58
22	.24	.59	.59	.64	.59	.44	.56	.56	.54	.30	.24	.60
23	.24	.60	.72	.68	.59	.45	.54	.55	.54	.31	.22	.61
24	.21	.59	.67	.65	.60	.47	.55	.54	...	.29	.21	.65
25	.18	.58	.65	.64	.59	.47	.58	.55	...	.33	.36	.59
26	.22	.61	.62	.65	.56	.46	.57	.55	...	.28	.43	.58
27	.16	.59	.68	.60	.55	.47	.57	.55	...	.26	.44	.52
28	.15	.62	.74	.62	.55	.45	.57	.57	...	.26	...	.52
29	.24	.73	.60	.56	.44	.58	.59	...	...	...	.49	.58
30	.19	.68	.60	.58	.44	.57	.56	j.40	...	...	.48	.60
31	.20	.66		.58		.54	.56		...	...		.62

j Interpolated.

Nassau County

(Water levels are in feet above mean sea level unless otherwise indicated.)

N7. Citizens Water Supply Co. About 130-feet north of Remsen St., 150 feet west of Corona Ave., Valley Stream. Records available: 1936-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.39	6.73	7.16	6.49	6.72	6.26	4.31	3.12	2.61	4.90	6.69	7.94
2	6.47	6.84	7.14	6.61	6.75	6.21	4.09	2.96	2.66	4.89	6.77	7.79
3	6.65	6.88	6.92	6.64	6.75	6.20	3.93	2.81	2.66	4.96	6.77	7.82
4	6.77	6.80	6.71	6.70	6.76	6.30	3.77	2.98	2.69	5.13	6.85	7.93
5	6.70	6.74	6.76	6.79	6.74	6.23	3.60	3.04	2.67	5.13	7.04	7.82
6	6.70	6.83	6.88	6.74	6.74	6.12	3.52	3.08	2.60	5.13	6.87	7.51
7	6.79	6.93	6.72	6.65	6.74	5.99	3.43	3.09	2.61	5.18	6.82	7.41
8	6.55	6.73	6.84	6.70	6.60	5.90	3.33	3.18	2.65	5.31	6.89	7.55
9	6.53	6.90	6.95	6.71	6.51	5.86	3.24	3.23	2.67	5.51	7.01	7.65
10	6.67	7.00	6.63	6.64	6.58	5.88	3.14	3.24	2.69	5.68	7.08	7.69
11	6.69	6.98	6.46	6.76	6.61	5.87	3.11	3.22	2.74	5.79	7.05	7.87
12	6.46	6.94	6.53	6.84	6.56	5.64	3.14	3.15	2.79	5.98	7.03	7.93
13	6.55	6.91	6.58	6.81	6.62	5.46	3.25	3.10	2.86	6.06	7.05	7.81
14	6.77	6.98	6.57	6.78	6.60	5.38	3.29	3.04	3.10	5.95	7.03	7.72
15	6.63	7.26	6.47	6.66	6.57	5.31	3.18	3.00	3.33	5.91	7.03	7.73
16	6.72	7.35	6.43	6.58	6.61	5.27	3.17	2.95	3.46	5.85	7.15	7.83
17	6.64	7.31	6.46	6.60	6.54	5.33	3.32	2.85	3.43	5.90	7.30	7.77
18	6.87	7.21	6.57	6.60	6.47	5.23	3.53	2.76	3.45	6.04	7.32	7.80
19	6.82	7.30	6.29	6.54	6.46	5.21	3.59	2.68	3.61	6.16	7.29	7.80
20	6.70	7.26	6.13	6.57	6.46	5.22	3.64	2.73	3.72	6.30	7.41	7.71
21	6.67	7.10	6.26	6.61	6.43	5.26	3.62	2.72	3.86	6.26	7.62	7.66
22	6.83	7.18	6.30	6.52	6.33	5.21	3.63	2.65	4.11	6.28	7.48	7.68
23	6.92	7.35	6.64	6.56	6.27	5.21	3.62	2.60	4.35	6.31	7.34	7.77
24	6.88	7.23	6.66	6.61	6.31	5.26	3.62	2.58	4.34	6.31	7.29	7.92
25	6.82	7.18	6.50	6.61	6.30	5.27	3.70	2.59	4.33	6.41	7.53	7.94
26	6.87	7.10	6.34	6.69	6.27	5.17	3.70	2.59	4.35	6.42	7.81	7.83
27	6.80	7.05	6.39	6.65	6.30	5.07	3.65	2.56	4.41	6.34	7.88	7.73
28	6.64	6.95	6.63	6.67	6.30	4.89	3.59	2.56	4.53	6.35	8.02	7.66
29	6.81		6.68	6.66	6.27	4.69	3.51	2.59	4.64	6.45	8.11	7.80
30	6.82		6.59	6.65	6.28	4.52	3.38	2.57	4.79	6.57	8.08	7.92
31	6.77		6.47		6.25		3.22	2.54		6.64		7.96

N9. Citizens Water Supply Co. well Valley Stream 7. West side of Corona Ave., 650 feet north of Remsen St. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	21.13	Apr. 27	21.43	Aug. 2	21.14	Nov. 1	21.28
Feb. 28	21.63	May 23	21.39	Sept. 2	21.55	28	21.40
Apr. 3	21.36	June 30	21.16	26	21.45	Dec. 20	21.36

N53. Village of Rockville Center. In basement of municipal power station, Morris and Maple Aves. Records available: 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	12.67	Apr. 27	13.55	Aug. 2	12.77	Oct. 31	12.31
Feb. 28	13.75	May 23	13.41	Sept. 1	12.49	Nov. 28	12.41
Apr. 4	13.80	June 28	13.15	26	12.57	Dec. 20	12.44

N67. Village of Freeport. Sunrise Highway about 200 feet west of Long Beach Ave. Records available: 1932-44, 1946-50. Feb. 24, 14.90.**N157. J. N. Hill.** About 0.4 mile south of Cedar Swamp Road, 450 feet west of Wheatley Road. Records available: 1932-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	86.60	May 3	85.88	Aug. 1	84.67	Oct. 31	84.08
Mar. 1	86.49	June 2	85.16	30	84.61	Nov. 29	83.71
Apr. 4	85.82	29	85.01	Sept. 27	84.15	Dec. 19	83.63

N180. New York City Department of Water Supply, Gas and Electricity. Northeast corner of Condit St. and Seamans Neck Road, Seaford. Records available: 1945-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.41	17.39	18.25	18.01	18.70	18.13	18.83	18.79	19.20	19.00	18.91	18.90
2	17.47	17.54	18.15	18.09	18.66	18.08	18.78	18.82	19.16	18.95	18.92	18.87
3	17.58	17.42	.....	18.09	.....	18.13	18.79	18.95	19.14	19.01	18.86	18.95

N180--Continued.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	17.56	17.44	18.02	18.10	.....	18.19	18.80	19.01	19.16	19.00	19.00	19.06
5	17.47	17.46	18.14	18.10	18.23	18.11	18.81	18.97	19.07	18.92	19.06	18.94
6	17.53	17.65	18.10	18.02	18.28	18.07	18.93	18.91	19.03	18.91	18.84	18.85
7	17.50	17.64	18.01	17.99	18.21	18.03	18.91	18.90	19.06	18.92	18.83	18.93
8	17.32	17.58	18.21	18.06	18.04	17.99	18.83	18.91	19.05	19.00	18.87	19.13
9	17.43	17.81	18.16	18.03	18.02	18.03	18.79	18.90	19.05	19.03	18.94	19.14
10	17.52	17.78	17.94	18.00	18.07	18.05	18.84	18.94	19.07	19.09	18.98	19.13
11	17.42	17.78	17.93	18.05	17.95	18.05	18.96	18.96	19.15	19.06	18.96	19.23
12	17.31	17.76	18.02	18.05	17.88	17.94	18.99	18.96	19.15	19.13	18.95	19.16
13	17.49	17.77	18.11	18.02	17.84	17.95	18.99	18.95	19.23	19.04	18.95	19.04
14	17.53	17.86	18.04	17.98	17.82	18.06	18.91	18.92	19.33	18.89	18.90	18.98
15	17.35	18.06	18.03	17.92	17.87	18.22	18.83	18.92	19.34	18.85	18.90	19.01
16	17.40	18.04	18.00	17.93	.....	18.28	18.88	18.92	19.22	18.81	18.96	19.08
17	17.30	18.02	18.04	17.94	.....	18.31	18.98	18.92	19.09	18.85	18.98	19.08
18	17.46	18.03	18.05	17.91	.....	18.24	19.00	18.93	19.07	18.88	18.94	19.12
19	17.32	18.17	17.80	17.88	18.52	18.27	18.89	18.95	19.14	18.91	18.88	19.06
20	17.28	.....	17.81	17.94	18.57	18.27	18.93	19.16	19.10	18.93	19.01	19.01
21	17.33	.....	17.98	17.89	18.62	18.33	18.91	19.18	19.13	18.87	19.04	19.00
22	17.43	18.20	18.02	17.81	18.57	18.43	18.85	19.12	19.21	18.89	18.87	19.07
23	17.41	18.25	18.29	18.10	18.36	18.62	18.80	19.10	19.25	18.94	18.83	19.06
24	17.38	18.18	18.12	18.28	18.19	18.71	18.82	19.11	.....	18.94	18.88	19.15
25	17.37	18.12	18.03	18.39	18.09	18.78	18.87	19.15	19.01	19.03	19.30	19.04
26	17.42	18.13	17.97	18.49	18.03	18.80	18.81	19.20	18.97	18.88	19.42	18.99
27	17.29	.....	18.10	18.47	18.01	18.83	18.80	19.19	18.96	18.84	19.29	.....
28	17.29	18.13	18.17	18.54	17.96	18.79	18.80	19.22	18.97	18.87	19.24	.....
29	17.46		18.11	18.54	18.03	18.80	18.81	19.25	18.99	18.92	19.15	19.13
30	17.34		17.99	18.59	18.08	18.84	18.79	19.22	19.01	18.94	19.01	19.14
31	17.39		17.95		18.07		18.77	19.21		18.90		19.19

h Tape measurement.

N511. Irving Cox Estate. 1,000 feet west of Horseshoe Road, 0.5 mile north of Clefts Road, Mill Neck. Readings taken at or near high tide. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	21.23	May 3	20.68	Aug. 1	18.23	Oct. 31	20.83
Mar. 2	20.88	June 2	20.38	30	19.48	Nov. 29	20.83
Apr. 3	20.13	29	19.48	Sept. 27	19.73	Dec. 21	20.28

N575. Frederick Loeser & Co. 833 Franklin Ave., Garden City. Records available: 1940-50.

Jan. 25	56.22	Apr. 26	55.95	Aug. 1	52.44	Oct. 30	55.27
Feb. 27	54.53	May 23	54.05	29	56.12	Nov. 27	53.82
Apr. 3	57.06	June 30	54.57	Sept. 25	53.75	Dec. 18	54.58

N657. Town of North Hempstead. West Shore Road, Bar Beach. Records available: 1945-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.4	14.4	14.2	14.3	14.2	14.2	13.8	13.8	13.9	13.9	14.1	14.0
2	15.0	14.5	13.8	14.2	14.2	14.0	13.6	13.8	13.9	13.9	14.1	14.0
3	14.6	14.2	13.6	14.2	14.2	14.1	13.6	13.9	14.0	13.8	14.1	14.2
4	14.4	14.2	13.9	14.2	14.2	14.1	13.6	13.8	13.9	13.8	14.4	14.5
5	14.3	14.2	14.1	14.2	14.1	14.1	13.7	13.8	13.8	13.8	14.1	14.2
6	14.6	14.5	13.9	14.2	14.2	14.1	13.7	13.9	13.8	13.9	13.9	14.1
7	14.4	14.4	13.9	14.4	14.0	14.0	13.6	13.9	13.7	13.9	14.0	14.5
8	14.2	14.4	14.3	14.6	13.9	13.9	13.6	13.8	13.8	14.0	14.1	14.6
9	14.4	14.5	13.7	14.2	13.9	13.9	13.6	13.7	13.8	14.0	14.2	14.3
10	14.7	14.3	13.4	13.9	14.1	14.0	13.7	13.7	13.9	14.2	14.1	14.4
11	14.0	14.4	13.8	14.3	14.0	14.0	13.7	14.7	14.2	14.0	14.1	14.7
12	14.1	14.3	13.9	14.3	14.1	13.9	13.7	13.7	14.3	14.0	14.1	14.4
13	14.5	14.3	14.3	14.3	14.2	13.9	13.8	13.7	14.2	13.7	14.0	14.2
14	14.2	14.8	13.9	14.2	14.1	14.0	13.7	13.8	14.1	13.7	13.9	14.1
15	14.2	14.8	13.9	14.3	14.2	14.0	13.7	13.8	14.1	13.8	13.9	14.3
16	14.4	14.6	14.0	14.2	14.2	14.1	13.8	13.7	13.9	13.8	14.0	14.5
17	14.0	14.5	14.1	14.2	14.0	14.1	13.9	13.7	13.9	13.8	14.1	14.4
18	14.4	14.5	13.6	14.2	14.0	13.9	13.9	13.8	13.9	13.8	14.0	14.3
19	14.4	14.5	13.8	14.2	14.1	14.1	13.9	13.8	13.9	13.9	13.9	14.1
20	14.3	13.9	13.9	14.3	14.1	14.1	14.0	13.9	14.0	13.9	14.0	14.1

N657--Continued.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	14.4	14.1	14.3	14.2	14.0	14.0	13.9	13.8	14.1	13.9	13.9	14.1
22	14.5	14.5	14.2	14.0	14.0	13.8	13.9	13.7	14.4	14.0	13.6	14.1
23	14.5	14.5	14.7	14.2	13.9	13.8	13.9	13.8	14.1	14.3	14.0	14.2
24	14.6	14.0	14.2	14.1	13.9	13.9	14.0	13.8	13.9	14.2	14.3	14.4
25	14.5	13.8	14.2	14.1	14.0	14.0	13.9	13.9	14.1	15.5	14.0	
26	14.2	14.0	14.1	14.2	13.9	14.1	13.9	13.9	13.9	13.9	14.7	14.1
27	14.1	13.9	14.3	14.1	13.9	14.1	13.9	13.9	13.9	13.9	14.4	14.1
28	14.3	14.1	14.2	14.1	14.0	13.9	13.9	13.9	13.9	14.1	14.4	14.1
29	14.4		14.2	14.1	14.1	13.9	13.9	13.9	13.9	14.1	14.1	14.5
30	14.2		13.9	14.0	14.2	13.8	13.9	13.9	13.9	14.0	13.8	14.3
31	14.6		14.1		14.2		13.8	14.0		14.1		14.4

N844. Long Island Railroad. Jerusalem Ave. about 110 feet north of railroad tracks, Hicksville. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	82.73	May 3	81.84	Aug. 1	81.18	Nov. 2	80.73
Mar. 2	82.31	31	81.64	Sept. 2	81.12	29	80.51
Apr. 4	82.07	June 28	81.44	27	80.97	Dec. 19	80.36

N1102. Nassau County Department of Public Works. Willets and Valley Roads, Lake Success. Records available: 1939-50.

Jan. 24	58.38	Apr. 26	57.83	Aug. 2	56.79	Nov. 1	56.15
Feb. 28	58.12	June 2	57.40	30	56.61	29	55.97
Apr. 3	58.05	30	57.19	Sept. 26	56.29	Dec. 19	55.77

N1103. County Department of Public Works. North side of Marcus Ave., 253 feet east of Lakeville Road, Lake Success. Records available: 1939-50.

Jan. 24	60.27	Apr. 28	59.42	Aug. 2	58.88	Nov. 1	57.99
Feb. 28	59.95	June 2	58.93	30	58.53	27	57.91
Apr. 3	59.77	30	58.72	Sept. 26	58.48	Dec. 19	57.65

N1104. County Department of Public Works. Rhodes St. and 80th Ave., New Hyde Park. Records available: 1939-50.

Jan. 24	59.98	Apr. 26	59.02	Aug. 1	58.76	Nov. 1	58.08
Feb. 28	59.47	June 2	58.85	Sept. 2	58.70	27	57.70
Apr. 3	59.24	30	58.85	26	58.54	Dec. 20	57.39

N1105. County Department of Public Works. Emerson and Whittier Aves., New Hyde Park. Records available: 1939-50.

Jan. 24	56.36	Apr. 26	55.57	Aug. 2	54.79	Nov. 1	54.10
Feb. 28	55.86	June 2	55.35	Sept. 2	54.62	27	53.81
Apr. 3	55.77	30	55.20	26	54.52	Dec. 20	53.58

N1107. County Department of Public Works. Bertha St. and Kingston Ave., South Floral Park. Records available: 1939-50.

Jan. 24	43.65	Apr. 27	43.72	Aug. 2	42.93	Nov. 27	42.17
Feb. 28	43.89	May 23	43.60	Sept. 2	42.91	Dec. 20	41.99
Apr. 3	44.13	June 30	43.28	Nov. 1	42.38		

N1108. County Department of Public Works. Jacob St. and Rosalind Ave., Elmont. Records available: 1939-50.

Jan. 24	38.23	Apr. 27	38.65	Aug. 2	37.80	Nov. 1	37.35
Feb. 28	38.68	May 23	38.51	Sept. 2	37.91	27	37.27
Apr. 3	38.94	June 30	38.15	26	37.67	Dec. 20	37.07

N1109. County Department of Public Works. Dutch Broadway and Henry St., Elmont. Records available: 1939-50.

Jan. 24	25.42	Apr. 27	26.27	Aug. 2	24.58	Nov. 1	25.02
Feb. 28	26.04	May 23	25.67	Sept. 2	25.22	28	24.69
Apr. 3	26.51	June 30	24.92	26	25.69	Dec. 20	24.99

N1110. County Department of Public Works. East side of Henry St. about 500 feet south of Southern State Parkway, North Valley Stream. Records available: 1939-50.

N110--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	19.00	Apr. 27	19.38	Aug. 2	18.91	Nov. 1	19.13
Feb. 28	19.71	May 23	19.29	Sept. 1	19.45	28	19.23
Apr. 3	19.79	June 30	18.96	26	19.37	Dec. 20	19.40

N111. County Department of Public Works. Fletcher and Teneyck Aves., Valley Stream. Records available: 1939-50.

Jan. 24	13.49	Apr. 27	12.83	Aug. 2	12.71	Nov. 1	12.69
Feb. 28	13.01	May 23	12.74	Sept. 1	13.13	28	12.74
Apr. 4	12.74	June 28	12.44	26	13.44	Dec. 20	12.80

N112. County Department of Public Works. Sunrise Highway and Second St., Valley Stream. Records available: 1939-50.

Jan. 24	9.05	Apr. 27	8.78	Aug. 2	8.01	Nov. 1	8.62
Feb. 28	9.14	May 23	8.62	Sept. 1	8.26	28	8.85
Apr. 4	8.96	June 28	8.44	26	8.64	Dec. 20	9.09

N1126. County Department of Public Works. At northwest corner of Stewart Ave. and Sackville Road, Garden City. Records available: 1938-50.

Jan. 25	59.65	Apr. 26	58.90	July 31	57.98	Oct. 30	57.02
Feb. 27	59.30	May 23	58.67	Aug. 29	57.69	Nov. 27	56.71
Apr. 3	59.26	June 30	58.34	Sept. 25	57.36	Dec. 18	56.47

N1132. County Department of Public Works. West side of Lakewood Boulevard, 111 feet south of Sunrise Highway, Lynbrook. Records available: 1938-50.

Jan. 24	7.06	Apr. 27	7.50	July 31	7.27	Nov. 1	6.75
Feb. 28	7.65	May 23	7.48	Sept. 1	7.07	28	7.26
Apr. 4	7.59	June 28	7.34	26	6.95	Dec. 20	6.97

N1140. County Department of Public Works. West side of Kellum Place, 37 feet north of Ninth St., Garden City. Records available: 1939-50.

Jan. 25	61.99	Apr. 26	61.40	Aug. 1	61.10	Oct. 30	60.64
Feb. 27	61.69	May 23	61.29	29	60.95	Nov. 27	60.44
Apr. 3	61.69	June 30	61.17	Sept. 25	60.84	Dec. 18	60.28

N1147. County Department of Public Works. North side of Seaman Ave., 310 feet east of Knollwood Road, Baldwin. Records available: 1939-50.

Jan. 25	16.80	Apr. 28	17.29	Aug. 2	16.80	Nov. 1	16.48
Feb. 28	17.56	May 23	17.08	Sept. 1	16.88	28	16.60
Apr. 4	17.57	June 28	16.95	26	16.70	Dec. 20	16.71

N1160. County Department of Public Works. South side of Stewart Ave., about 75 feet east of Mitchel Field, Mineola. Records available: 1939-50.

Jan. 25	64.90	Apr. 26	65.35	June 27	64.87	Aug. 29	64.53
Feb. 27	65.61	May 23	65.21	Aug. 2	64.55	Sept. 25	64.32
Apr. 3	65.67						

N1167. County Department of Public Works. East side of North Ocean Ave., 38 feet north of Brooklyn Ave., Freeport. Records available: 1938-50.

Jan. 25	9.52	Apr. 28	10.28	Aug. 1	10.19	Oct. 31	10.04
Feb. 27	10.42	May 25	10.30	Sept. 1	10.46	Dec. 20	10.45
Apr. 4	10.45	June 28	10.50	28	10.44		

N1185. County Department of Public Works. Northwest corner of West Grand Ave. and Lindgren St., Merrick. Records available: 1938-50.

Jan. 25	10.06	Apr. 28	10.47	Aug. 2	10.69	Oct. 31	11.54
Feb. 27	11.29	May 25	10.52	29	10.88	Nov. 28	11.45
Apr. 4	10.82	June 27	10.39	Sept. 28	11.60	Dec. 20	11.94

N1204. County Department of Public Works. Northwest corner of Harris Court and John St., Bellmore. Records available: 1939-50.

Jan. 26	5.07	Apr. 28	6.25	Aug. 1	10.52	Nov. 2	10.87
Feb. 27	5.99	May 25	5.97	29	11.03	30	11.12
Apr. 4	5.50	June 28	8.60	Sept. 28	10.95	Dec. 21	11.27

N1212. County Department of Public Works. Jericho Turnpike, about 1.3 miles east of Broadway, Locust Grove. Records available: 1943-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	88.41	88.04	.....	87.55	87.33	86.94	86.55	86.26	86.00	85.69	85.46	85.02
2	88.43	88.30	.....	87.58	87.25	86.83	86.54	86.19	85.92	85.66	85.45	85.08
3	88.56	88.03	87.71	87.53	87.22	86.98	86.58	86.22	85.89	85.76	85.33	85.23
4	88.46	88.05	.....	87.56	87.25	86.99	86.57	86.22	85.91	85.74	85.55	85.37
5	88.30	88.01	.....	87.58	87.16	86.82	86.54	86.23	85.79	.....	85.38	84.91
6	88.48	88.24	.....	87.42	87.27	86.76	86.56	86.14	85.78	85.56	85.18	84.89
7	88.37	88.09	.....	87.46	87.20	86.74	86.48	86.11	85.87	85.56	85.28	85.09
8	88.11	87.85	.....	87.53	87.02	86.78	86.44	86.16	85.87	85.68	85.37	85.22
9	88.32	88.28	87.78	87.35	87.11	86.83	86.43	86.17	.....	85.69	85.42	85.16
10	88.46	88.09	.....	87.41	87.29	86.93	86.44	86.19	.....	85.72	85.31	85.17
11	88.20	88.07	.....	87.64	87.11	86.84	86.48	86.17	.....	85.62	85.24	85.27
12	88.15	87.98	87.78	87.53	87.15	86.65	86.51	.....	.....	85.70	85.26	85.07
13	88.46	87.97	87.95	87.50	87.23	86.72	86.55	.....	.....	85.50	85.28	84.95
14	88.40	88.04	87.68	87.45	87.05	86.81	86.38	.....	.....	85.41	85.22	84.97
15	88.19	88.27	87.74	87.34	87.14	86.75	86.29	.....	85.93	85.41	85.30	85.08
16	88.31	88.13	87.73	87.38	87.09	86.83	86.39	.....	85.77	85.39	85.44	85.03
17	88.17	88.00	87.82	87.45	87.00	86.86	86.49	.....	85.65	85.52	85.39	84.94
18	88.51	87.91	87.79	87.40	87.01	86.69	86.50	86.09	85.70	85.59	85.27	85.03
19	88.14	88.13	87.46	87.35	87.06	86.76	86.35	86.10	85.85	85.63	85.20	84.97
20	88.13	.....	87.59	87.47	87.03	86.72	86.41	86.18	85.76	85.61	85.47	.....
21	88.19	.....	87.81	87.37	87.03	86.74	86.31	86.02	85.81	85.48	85.32	.....
22	88.40	.....	87.73	87.26	86.90	86.62	86.28	86.00	85.92	85.51	85.10	85.22
23	88.31	.....	88.09	87.47	87.02	86.71	86.26	85.98	85.83	85.49	85.12	85.01
24	88.18	h88.06	87.66	87.31	87.06	86.74	86.33	86.00	85.63	85.43	85.15	85.16
25	.....	.....	87.56	87.30	87.01	86.71	86.43	86.03	85.61	85.54	85.45	84.88
26	.....	.....	87.48	87.34	86.96	86.64	86.33	.....	85.61	85.36	85.24	.....
27	88.05	.....	87.74	87.22	87.00	86.66	86.32	.....	85.64	85.36	85.17	.....
28	88.09	.....	87.80	87.27	86.97	86.55	86.33	.....	85.68	85.42	85.26	.....
29	88.39	.....	87.61	87.21	86.99	86.57	86.31	.....	85.69	85.49	85.22	.....
30	88.12	87.43	87.23	86.98	86.57	86.26	85.71	85.54	85.11
31	88.16	87.47	86.94	86.23	85.44	84.78

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N1222. County Department of Public Works. Southwest corner of Cecelia Place and John St., Seaford. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	2.09	Apr. 28	3.24	July 31	5.70	Nov. 2	8.41
Mar. 1	3.43	May 31	3.83	Aug. 29	8.07	Dec. 30	8.61
Apr. 4	3.20	June 27	4.78	Sept. 28	8.45	Dec. 21	8.83

N1234. County Department of Public Works. Southwest side of Plainview Road, 400 feet northwest of Bethpage State Parkway, Central Park. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	61.65	Apr. 27	61.31	July 31	61.28	Oct. 30	60.95
Feb. 27	61.49	May 31	61.13	Aug. 31	61.38	Nov. 29	60.58
Apr. 4	61.71	June 28	61.33	Sept. 25	61.27	Dec. 21	60.33

N1240. County Department of Public Works, 44 feet south of Sunrise Highway and 62 feet east of Manhattan Ave. Massapequa Park. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	1.38	Apr. 28	2.89	July 31	7.52	Nov. 2	9.60
Mar. 1	2.70	May 31	3.30	Aug. 29	9.16	Dec. 30	9.90
Apr. 4	2.35	June 27	4.61	Sept. 25	9.65	Dec. 21	10.20

N1244. County Department of Public Works. North side of Jericho Turnpike, 60 feet west of Avery Road, about 2.5 miles east of Syosset. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	75.07	May 3	74.46	July 31	73.64	Oct. 30	72.68
Mar. 1	74.91	June 2	74.19	Aug. 29	73.31	Nov. 30	72.46
Apr. 4	74.78	29	73.95	Sept. 28	72.97	Dec. 19	72.21

N1245. County Department of Public Works. West side of Plainview-Cold Spring Harbor Road, about 1 mile south of Jericho Turnpike, about 2 miles northeast of Plainview. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	80.56	May 3	79.72	Aug. 1	78.64	Oct. 30	77.53
Mar. 1	80.15	June 2	79.50	29	78.53	Nov. 30	77.13
Apr. 4	80.56	29	78.96	Sept. 28	78.32	Dec. 19	77.28

N1246. County Department of Public Works. East side of Plainview-Melville Road, just west of Suffolk County Line, Plainview. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	81.29	May 3	80.05	July 31	78.66	Oct. 30	78.25
Mar. 1	81.04	June 5	79.59	Aug. 29	78.77	Nov. 30	77.84
Apr. 4	80.45	29	79.34	Sept. 28	78.38	Dec. 19	77.63

N1247. County Department of Public Works. 500 feet north of Motor Parkway, 200 feet west of Suffolk County Line, Bethpage. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	73.66	May 3	72.56	July 31	71.88	Oct. 30	71.51
Mar. 1	73.33	June 5	72.28	Aug. 29	71.75	Nov. 30	71.25
Apr. 4	73.04	29	72.05	Sept. 25	71.63	Dec. 19	71.05

N1249. County Department of Public Works. Northeast corner of Secatogue Ave. and Wall St., Farmingdale. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	51.81	May 3	52.51	July 31	52.56	Oct. 30	51.54
Mar. 1	53.16	31	52.56	Aug. 29	52.66	Nov. 30	51.29
Apr. 4	53.09	June 29	53.00	Sept. 25	52.34	Dec. 19	51.13

N1250. County Department of Public Works. 37 feet northwest of Old Carmans Road, about 2,200 feet northwest of Great Neck Road, Farmingdale. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	44.18	May 3	45.19	July 31	45.21	Oct. 30	44.09
Mar. 1	45.77	31	45.29	Aug. 29	45.03	Nov. 30	43.74
Apr. 4	45.48	June 29	45.74	Sept. 25	44.66	Dec. 19	43.77

N1251. County Department of Public Works. About 275 feet west of County Line Road, about 800 feet north of Southern State Parkway, about 2 miles south of Farmingdale. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	36.05	May 3	37.31	July 31	37.35	Oct. 30	36.13
Mar. 1	37.74	31	37.56	Aug. 29	36.95	Nov. 30	35.81
Apr. 4	37.80	June 29	38.03	Sept. 25	36.65	Dec. 19	36.02

N1252. County Department of Public Works. Southwest corner of County line Road and Smith St., about 1 mile north of Amityville. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	22.66	May 3	23.99	July 31	24.07	Nov. 2	23.45
Mar. 1	24.24	31	24.28	Aug. 29	23.82	30	23.43
Apr. 4	24.17	June 29	24.58	Sept. 25	23.72	Dec. 19	23.67

N1253. County Department of Public Works. Northeast corner of Clocks Boulevard and Pine St., about 1 mile east of Massapequa Park. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	11.50	Apr. 28	12.70	Aug. 1	13.23	Nov. 2	14.11
Mar. 1	13.08	May 31	13.00	29	13.88	30	14.23
Apr. 4	12.80	June 27	13.65	Sept. 25	14.18	Dec. 19	14.39

N1255. County Department of Public Works. East side of Clinton Road near St. James St., Garden City. Records available: 1913-18, 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	59.93	Apr. 26	60.23	Aug. 1	59.69	Oct. 30	58.73
Feb. 27	60.60	May 23	59.97	29	59.11	Nov. 29	58.56
Apr. 3	60.71	June 27	59.61	Sept. 25	59.03	Dec. 18	58.61

N1256. County Department of Public Works. At junction of Hillside Ave. and Bacon Road, Westbury. Records available: 1913-18, 1934-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	79.01	Apr. 27	77.63	Aug. 1	76.56	Oct. 30	75.99
Mar. 1	78.64	June 2	77.66	30	76.41	Nov. 29	75.39
Apr. 4	78.89	27	77.22	Sept. 27	76.56	Dec. 18	75.64

N1257. New York City Department of Water Supply, Gas and Electricity. Carman and Scranton Aves., East Rockaway. Records available: 1932-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	6.09	Apr. 27	6.63	Aug. 2	5.86	Nov. 1	5.76
Mar. 2	6.11	May 23	6.21	Sept. 1	6.12	28	6.12
Apr. 4	6.74	June 28	6.04	26	6.59	Dec. 20	6.72

N1259. U. S. Geol. Survey. About 600 feet south of Union Ave. on west side of Hicksville-Massapequa Road, about 2 miles south of Central Park. Records available: 1909-10, 1912-16, 1930-35, 1937-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	51.27	Apr. 27	51.91	Aug. 1	51.72	Oct. 30	51.25
Feb. 27	52.03	May 31	51.65	31	51.83	Nov. 29	50.90
Mar. 31	52.12	June 27	51.95	Sept. 25	51.64	Dec. 21	50.80

N1260. County Department of Public Works. West side of Main St., 100 feet south of Pittsburgh Ave., Massapequa. Records available: 1903-7, 1911-16, 1931-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	17.65	Apr. 28	19.04	July 31	19.52	Nov. 2	19.82
Mar. 1	19.21	May 31	19.41	Aug. 29	19.99	30	20.05
Apr. 5	19.34	June 27	20.02	Sept. 25	20.07	Dec. 21	20.40

N1262. New York City Department of Water Supply, Gas and Electricity. East side of Wantagh Ave., about 0.25 mile south of Southern State Parkway, Wantagh. Records available: 1931-50.

Jan. 26	34.09	May 3	34.33	Aug. 1	33.98	Nov. 2	33.90
Feb. 27	34.40	31	34.29	Sept. 1	34.27	30	33.99
Apr. 4	34.47	June 28	34.18	27	34.07	Dec. 19	34.10

N1263. County Department of Public Works. Northeast corner of Wantagh and Farmingdale (Seamans Neck) Roads, about 1.3 miles north of Southern State Parkway, about 2 miles south of Central Park. Records available: 1911-15, 1931-50.

Jan. 26	49.71	May 31	50.68	Aug. 1	50.37	Oct. 30	49.65
Feb. 27	50.65	June 16	50.56	31	50.58	Nov. 29	49.41
Apr. 5	50.46	27	50.26	Sept. 25	50.23	Dec. 21	49.46
27	50.26	July 6	50.83				

N1264. New York City Department of Water Supply, Gas and Electricity. West side of Newbridge Road about 300 feet south of Sunrise Highway, Bellmore. Records available: 1932-36, 1937-50.

Jan. 25	2.96	Apr. 28	3.30	July 31	6.16	Nov. 1	7.66
Feb. 27	3.82	May 25	3.94	Aug. 29	6.84	30	8.19
Apr. 4	3.09	June 28	5.63	Sept. 28	7.00	Dec. 21	8.14

N1265. County Department of Public Works. Southwest corner of Albany Ave. and Merrick Road, Freeport. Records available: 1939-50.

Jan. 3	2.90	Apr. 27	2.93	July 31	2.83	Nov. 1	3.23
27	2.84	May 25	3.76	Sept. 1	3.35	28	4.32
Mar. 3	2.84	June 16	3.47	26	3.18	Dec. 20	3.40
Apr. 4	3.03	27	3.07				

N1269. County Department of Public Works. Southwest corner of Babylon Turnpike and Poplar St., Merrick. Records available: 1939-50.

Jan. 3	3.37	Apr. 27	3.56	July 31	3.90	Nov. 1	6.42
27	3.00	May 25	4.43	Sept. 1	6.74	28	6.96
Mar. 3	4.58	June 16	3.49	26	6.67	Dec. 20	7.58
Apr. 4	3.68	27	4.00				

N1271. County Department of Public Works. Northeast corner of Beach Drive and Florence St., Merrick. Records available: 1939-50.

Jan. 3	1.92	Apr. 27	1.68	July 31	1.42	Nov. 2	1.02
27	1.78	May 25	2.04	Sept. 1	1.96	28	2.99
Mar. 3	1.95	June 16	2.15	26	1.40	Dec. 20	2.30

N1273. County Department of Public Works. Northwest corner of Cypress St. and Walters Ave., Wantagh. Records available: 1939-50.

Jan. 3	4.27	Apr. 28	4.42	July 31	5.48	Nov. 2	6.13
27	4.11	May 25	4.63	Aug. 31	6.33	30	6.54
Mar. 2	5.05	June 16	5.04	Sept. 28	6.35	Dec. 21	6.84
Apr. 4	4.72	27	4.99				

N1275. County Department of Public Works. Northeast corner of Byron and Willow Sts., Wantagh. Records available: 1939-50.

Jan. 3	2.37	Apr. 28	2.38	Aug. 1	2.21	Nov. 2	2.56
27	2.29	May 25	2.71	31	2.73	30	3.26
Mar. 3	2.91	June 16	2.87	Sept. 28	2.73	Dec. 21	3.58
Apr. 4	2.76	27	2.59				

N1278. County Department of Public Works. Southeast corner of Nassau St. and Bay Drive, Massapequa. Records available: 1939-50.

Jan. 3	5.01	Apr. 28	5.41	Aug. 1	5.32	Nov. 2	5.73
27	4.99	May 31	5.90	31	5.79	30	6.10
Mar. 2	5.97	June 16	6.11	Sept. 28	5.86	Dec. 21	6.62
Apr. 4	5.74	27	5.82				

N1280. County Department of Public Works. Northwest corner of Harmony Drive and Park Boulevard, Massapequa. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	2.54	Apr. 28	4.50	Aug. 1	6.29	Nov. 2	8.56
27	2.97	May 31	5.26	31	8.06	30	8.77
Mar. 2	4.77	June 16	5.95	Sept. 28	8.53	Dec. 21	9.21
Apr. 4	4.67	27	5.92				

N1282. County Department of Public Works. West side of Wantagh State Parkway, about 0.9 mile south of Merrick Road, Wantagh. Records available: 1939-50.

Jan. 3	1.71	Apr. 28	1.33	Aug. 1	1.53	Nov. 2	1.55
27	.94	May 25	1.21	31	2.00	30	1.47
Mar. 3	.41	June 16	1.54	Sept. 28	1.76	Dec. 21	1.08
Apr. 4	1.76	27	1.49				

N1285. County Department of Public Works. Northwest corner of Spruce and Melvin Sts., Wantagh. Records available: 1939-50.

Jan. 3	2.55	Apr. 28	2.58	Aug. 1	2.61	Nov. 2	2.91
27	2.41	May 31	3.01	31	3.30	30	3.62
Mar. 3	2.63	June 16	3.03	Sept. 28	2.99	Dec. 21	3.32
Apr. 4	2.72	27	2.70				

N1288. County Department of Public Works. West side of Bay View Ave. and St. Regis St., Wantagh. Records available: 1939-50.

Jan. 3	2.29	Apr. 27	2.39	July 31	2.54	Nov. 1	2.85
27	2.29	May 25	2.74	Aug. 31	3.15	30	3.58
Mar. 2	3.00	June 16	2.91	Sept. 28	3.06	Dec. 21	3.70
Apr. 4	2.83	27	2.68				

N1461. County Department of Public Works. Along tracks of Long Island Railroad about 235 feet southeast of New South Road, South Hicksville. Records available: 1943-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	77.67	77.23	76.97	76.84	.....	.....	.....	75.84	75.83	.....	.....	75.51
2	77.67	77.23	76.96	76.85	.....	76.44	.....	.....	.....	.....	.....	.....
3	77.67	77.22	76.94	76.85	.....	.....	.....	.....	.....	.....	.....	.....
4	77.66	77.19	76.92	76.85	.....	.....	.....	75.78	.....	.....	.....	.....
5	77.64	77.17	76.92	76.86	76.70	.....	.....	.....	.....	.....	.....	.....
6	77.63	77.17	76.94	76.85	.....	.....	.....	.....	.....	75.72	.....	.....
7	77.62	77.17	76.91	76.84	.....	.....	76.10	.....	.....	.....	.....	.....
8	77.58	77.13	76.92	76.85	.....	.....	.....	.....	75.82	.....	.....	75.47
9	77.57	77.15	76.94	76.84	.....	76.35	.....	.....	.....	.....	.....	.....
10	77.57	77.13	76.90	76.84	.....	.....	.....	.....	.....	.....	75.65	.....
11	77.56	77.11	76.89	76.85	.....	.....	.....	75.75	.....	.....	.....	.....
12	77.51	77.11	76.90	76.86	76.65	.....	.....	.....	.....	.....	.....	.....
13	77.52	77.10	76.91	76.86	.....	.....	.....	.....	.....	75.76	.....	.....
14	77.53	77.09	76.90	76.86	.....	.....	76.02	.....	.....	.....	.....	.....
15	77.49	.....	76.89	.....	.....	.....	.....	.....	75.85	.....	.....	75.41
16	77.48	.....	76.89	.....	.....	76.28	.....	.....	.....	.....	.....	.....
17	77.45	77.03	76.90	.....	.....	.....	.....	.....	.....	.....	75.62	.....
18	77.47	77.03	76.91	.....	.....	.....	.....	75.74	.....	.....	.....	.....
19	77.44	77.04	76.90	.....	76.60	.....	.....	.....	.....	.....	.....	.....
20	77.40	77.04	76.89	.....	.....	.....	.....	.....	.....	75.75	.....	.....
21	77.38	77.01	76.91	76.80	.....	.....	75.95	.....	.....	.....	.....	.....
22	77.39	77.02	76.92	.....	.....	.....	.....	.....	75.85	.....	.....	75.39
23	77.39	77.03	76.95	.....	.....	76.24	.....	.....	.....	.....	.....	.....
24	77.35	77.02	76.95	.....	.....	.....	.....	.....	.....	.....	75.53	.....
25	77.33	76.98	76.92	.....	.....	.....	.....	75.86	.....	.....	.....	.....
26	77.33	76.98	76.89	.....	76.52	.....	.....	.....	.....	.....	.....	.....
27	77.30	76.96	76.89	.....	.....	.....	.....	.....	.....	75.69	.....	.....
28	77.28	76.96	76.90	76.75	.....	76.18	75.89	.....	.....	.....	.....	.....
29	77.30	.....	76.89	.....	.....	.....	.....	.....	75.83	.....	.....	75.34
30	77.28	.....	76.87	.....	.....	76.16	.....	.....	.....	.....	.....	.....
31	77.26	.....	76.84	.....	.....	.....	.....	.....	.....	.....	.....	.....

N1462. County Department of Public Works. Along tracks of Long Island Railroad at Bloomingdale Road, Island Trees. Records available: 1943-50.

N1462--Continued.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63.19	62.92	63.23	63.13	62.85	62.79	62.44	62.20	62.88	62.54	62.10	61.97
2	63.17	62.94	63.23	63.12	62.86	62.88	62.42	62.19	62.87	62.52	62.10	61.96
3	63.16	62.97	63.20	62.11	62.85	62.85	62.41	62.28	62.87	62.51	62.08	61.91
4	63.15	62.93	63.18	63.10	62.83	62.85	62.39	62.53	62.86	62.50	62.11	61.87
5	63.12	62.88	63.20	63.09	62.83	62.85	62.38	62.50	62.85	62.48	62.17	61.84
6	63.11	62.85	63.21	63.08	62.83	62.81	62.63	62.46	62.83	62.46	62.10	61.81
7	63.09	62.83	63.18	63.06	62.82	62.75	62.62	62.42	62.82	62.44	62.08	61.78
8	63.07	62.81	62.22	63.05	62.81	62.71	62.55	62.39	62.81	62.43	62.07	61.85
9	63.06	62.80	63.22	63.04	62.79	62.67	62.50	62.35	62.80	62.42	62.06	61.85
10	63.06	62.86	63.19	63.02	62.78	62.65	62.46	62.34	62.80	62.41	62.05	61.77
11	63.08	62.85	63.18	63.02	62.77	62.64	62.44	62.38	62.82	62.40	62.04	61.75
12	63.04	62.82	63.19	63.01	62.76	62.61	62.43	62.80	62.83	62.39	62.03	61.73
13	63.03	62.78	63.20	63.01	62.74	62.59	62.41	62.74	62.81	62.34	62.02	61.71
14	63.02	62.77	63.24	63.00	62.72	62.57	62.38	62.65	62.95	.....	62.01	61.69
15	63.00	.....	63.22	62.98	62.70	62.67	62.36	62.59	62.89	.....	62.00	61.67
16	63.00	.....	63.20	62.97	62.70	62.73	62.38	62.55	62.84	.....	61.99	61.87
17	62.98	.....	63.19	62.96	62.69	62.73	62.43	62.51	62.81	.....	61.98	61.90
18	62.98	63.23	63.19	62.94	62.68	62.70	62.43	62.48	62.77	.....	61.97	61.82
19	62.97	63.23	63.15	62.93	62.73	62.67	62.39	62.45	62.75	.....	61.96	61.76
20	62.95	63.21	63.13	62.92	62.78	62.64	62.37	62.69	62.73	h62.21	61.95	61.72
21	62.93	63.19	63.14	62.92	62.77	62.63	62.35	63.10	62.72	.....	62.04	61.70
22	62.92	63.19	63.22	62.90	62.72	62.60	62.34	63.00	62.71	.....	61.96	61.68
23	62.91	63.20	63.28	62.89	62.71	62.58	62.33	62.93	62.70	.....	61.92	61.67
24	62.90	63.19	63.30	62.89	62.67	62.57	62.32	62.90	62.68	.....	61.89	61.65
25	62.89	63.23	63.27	62.88	62.66	62.56	62.31	62.88	62.65	.....	61.95	61.64
26	62.89	63.23	63.23	62.87	62.65	62.54	62.29	62.88	62.63	.....	62.07	61.62
27	62.86	63.22	63.22	62.86	62.65	62.52	62.28	62.87	62.61	62.11	61.97	61.60
28	62.84	63.20	63.22	62.87	62.64	62.49	62.27	62.87	62.59	62.11	61.92	61.58
29	62.84	.....	63.21	62.89	62.67	62.48	62.25	62.88	62.58	62.12	61.94	61.67
30	62.84	.....	63.18	62.87	62.78	62.46	62.24	62.90	62.56	62.12	61.96	61.93
31	62.87	.....	63.14	.....	62.76	.....	62.22	62.89	.....	62.11	.....	61.86

h Tape measurement.

N1463. County Department of Public Works. Southern State Parkway and Seamans Neck Road, Jerusalem. Records available: 1943-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	36.86	36.72	38.05	37.85	37.72	37.60	37.67	37.35	37.58	37.24	36.84	36.66
2	36.86	36.75	38.05	37.85	37.70	37.62	37.64	37.35	37.56	37.20	36.84	36.66
3	36.87	36.74	38.05	37.85	37.69	37.66	37.65	37.45	37.51	37.19	36.83	36.65
4	36.87	36.76	38.05	37.85	37.68	37.73	37.64	37.45	37.53	37.17	36.82	36.65
5	36.86	36.80	38.06	37.86	37.67	37.74	37.68	37.42	37.52	37.15	36.84	36.64
6	36.86	36.83	38.06	37.84	37.67	37.75	37.76	37.40	37.50	37.14	36.82	36.63
7	36.86	36.85	38.04	37.84	37.65	37.76	37.72	37.37	37.48	37.11	36.81	36.63
8	36.84	36.86	38.06	37.84	37.64	37.77	37.68	37.33	37.41	37.11	36.80	36.67
9	36.83	36.89	38.05	37.83	37.63	37.76	37.62	37.29	37.39	37.13	36.79	36.65
10	36.84	36.92	38.01	37.83	37.63	37.77	37.64	37.30	37.39	37.12	36.78	36.63
11	36.83	36.93	37.99	37.84	37.62	37.80	37.65	37.31	37.42	37.10	36.77	36.64
12	36.80	36.94	37.98	37.84	37.60	37.77	37.65	37.34	37.41	37.09	36.77	36.64
13	36.80	36.96	38.00	36.83	37.59	37.73	37.65	37.32	37.42	37.07	36.76	36.65
14	36.79	36.98	37.97	36.83	37.58	37.76	37.63	37.31	37.46	37.06	36.75	36.65
15	36.79	37.07	37.94	37.82	37.55	37.89	37.61	37.30	37.43	37.05	36.75	36.65
16	36.79	37.21	37.92	37.81	37.57	37.88	37.65	37.27	37.42	37.04	36.74	36.75
17	36.78	37.37	37.91	37.80	37.54	37.89	37.65	37.24	37.40	37.03	36.73	36.74
18	36.79	37.47	37.90	37.79	37.53	37.90	37.63	37.23	37.39	37.00	36.72	36.78
19	36.77	37.58	37.87	37.78	37.55	37.91	37.61	37.22	37.38	36.99	36.72	36.81
20	36.77	37.67	37.85	37.78	37.53	37.91	37.60	37.43	37.38	36.96	36.71	36.83
21	36.76	37.74	37.89	37.77	37.52	37.92	37.59	37.51	37.37	36.97	36.74	36.85
22	36.76	37.81	37.87	37.75	37.51	37.91	37.56	37.54	37.36	36.97	36.70	36.85
23	36.75	37.87	37.91	37.75	37.50	37.88	37.53	37.56	37.35	36.97	36.69	36.86
24	36.76	37.92	37.88	37.74	37.54	37.86	37.49	37.57	37.34	36.96	36.68	36.87
25	36.75	37.95	37.87	37.74	37.50	37.85	37.50	37.57	37.30	36.95	36.74	36.87
26	36.74	37.97	37.87	37.73	37.49	37.78	37.48	37.57	37.26	36.94	36.74	36.88
27	36.72	38.00	37.89	37.72	37.49	37.76	37.45	37.58	37.25	36.93	36.69	36.89
28	36.72	38.02	37.91	37.75	37.48	37.74	37.44	37.57	37.26	36.92	36.68	36.89
29	36.74	.....	37.89	37.71	37.53	37.68	37.43	37.57	37.27	36.89	36.68	36.95
30	36.72	.....	37.86	37.70	37.52	37.69	37.42	37.59	37.26	36.86	36.67	37.00
31	36.74	.....	37.85	.....	37.51	.....	37.37	37.59	.....	36.83	.....	37.02

N1464. County Department of Public Works. About 100 feet east of Grant Ave. on north side of Franklin Ave., Seaford. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	12.22	Apr. 28	13.46	July 31	14.65	Nov. 2	15.03
Mar. 1	13.67	May 31	13.82	Sept. 25	15.27	30	15.32
Apr. 4	13.64	June 27	14.57	28	15.23	Dec. 21	15.65

N1613. Citizens Water Supply Co. well Valley Stream 5. About 1,500 feet west of Corona Ave. and 96 feet north of Southern State Parkway, North Valley Stream. Records available: 1940-50.

Jan. 24	21.43	Apr. 27	22.16	Aug. 2	21.30	Nov. 1	21.92
Feb. 28	22.21	May 23	22.21	Sept. 1	21.87	28	22.00
Apr. 3	22.28	June 30	21.23	26	21.98	Dec. 19	22.00

N1614. New York City Department of Water Supply, Gas and Electricity. West side of Herricks Road, about 150 feet north of Florence Road, Mineola. Records available: 1913-17, 1932-35, 1940-50.

Jan. 25	68.50	Apr. 26	68.44	July 31	67.55	Oct. 30	66.85
Feb. 27	68.40	June 9	68.30	Aug. 29	67.62	Nov. 27	66.44
Apr. 4	68.71	27	67.84	Sept. 25	67.35	Dec. 18	66.28

N1615. New York City Department of Water Supply, Gas and Electricity. East side of Merrick Ave., 324 feet north of Luddington Road, East Meadow. Records available: 1913-15, 1932-50.

Jan. 25	42.99	Apr. 28	43.88	July 31	43.31	Oct. 30	42.98
Feb. 27	44.27	May 23	43.63	Aug. 29	43.65	Nov. 29	42.95
Apr. 4	44.06	June 27	43.57	Sept. 25	43.40	Dec. 18	42.98

N1616. New York City Department of Water Supply, Gas and Electricity. East side of Post Ave. at Argyle Road, Westbury. Records available: 1913-15, 1932-50.

Jan. 26	82.44	Apr. 27	82.08	Aug. 1	81.31	Oct. 30	80.52
Mar. 1	82.09	June 2	81.74	30	81.09	Nov. 29	80.23
Apr. 4	82.40	27	81.60	Sept. 27	80.82	Dec. 18	80.01

N1682. County Department of Public Works. Southwest corner of Crocus and Elm Aves., Bellrose. Records available: 1940-50.

Jan. 24	43.51	Apr. 27	43.21	Aug. 2	42.54	Nov. 1	41.96
Feb. 28	43.26	May 23	43.12	Sept. 2	42.50	27	41.76
Apr. 3	43.52	June 30	42.89	26	42.31	Dec. 20	41.51

N1683. County Department of Public Works. Northwest corner of Sixth St. and Stewart Ave., New Hyde Park. Records available: 1940-50.

Jan. 24	56.38	Apr. 26	56.80	July 31	55.58	Nov. 1	55.32
Feb. 28	56.42	May 23	56.13	Sept. 2	55.49	27	55.31
Apr. 3	56.73	June 30	55.83	26	55.65	Dec. 20	55.31

N1684. County Department of Public Works. About 150 feet west of Madison Ave., 690 feet north of Stewart Ave., Garden City. Records available: 1940-50.

Jan. 25	57.43	Apr. 26	57.73	July 31	56.84	Oct. 30	56.07
Feb. 27	57.58	May 23	57.59	Aug. 29	56.66	Nov. 27	55.75
Apr. 3	58.15	June 30	57.17	Sept. 25	56.46	Dec. 18	55.53

N1828. County Department of Public Works. Northwest side of Melville Road near Suffolk County line, about 40 feet northeast of well N1248, Farmingdale. Records available: 1939-42, (as N1248), 1942-50.

Jan. 26	59.08	May 3	59.36	July 31	59.03	Oct. 30	58.37
Mar. 1	60.09	31	59.24	Aug. 29	59.21	Nov. 30	57.96
Apr. 4	59.62	June 29	59.54	Sept. 25	58.89	Dec. 19	57.80

N1829. County Department of Public Works. South side of Stewart Ave., 700 feet west of Newbridge Ave., about 15 feet southeast of well N1180, Salisbury. Records available: 1938-42 (as N1180), 1942-50.

Jan. 25	66.81	Apr. 28	67.24	Aug. 1	66.58	Oct. 30	66.24
Feb. 27	67.59	May 23	67.04	29	66.90	Nov. 29	66.05
Apr. 3	67.49	June 27	66.84	Sept. 25	66.55	Dec. 18	66.04

N1830. County Department of Public Works. West side of Tyson Ave., just north of Creedmore spur of Long Island Railroad, Floral Park. Records available: 1939-42 (as N1106), 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	51.70	Apr. 26	51.18	Aug. 2	50.66	Nov. 1	49.94
Feb. 28	51.42	May 23	51.04	Sept. 2	50.73	27	49.66
Apr. 3	51.36	June 30	50.86	26	50.42	Dec. 20	49.48

N2052. Port Washington Water District. About 800 feet south of east end of Hewlett Lane, Port Washington. Records available: 1946-50.

Mar. 1	32.83	June 2	31.75	Aug. 30	31.70	Nov. 30	32.42
Apr. 3	32.50	29	32.01	Sept. 27	32.44	Dec. 19	32.85
26	32.29	Aug. 1	31.87				

N2071. Appleby Estate. 50 feet south of Herb Hill Road, about 2,000 feet west of Columbia Ribbon & Carbon Co., Glen Cove. Readings taken at or near high tide. Records available: 1946-50.

Jan. 25	11.20	May 3	11.63	Aug. 1	11.23	Oct. 31	9.68
Mar. 2	12.05	June 2	11.38	30	9.48	Nov. 29	11.21
Apr. 3	12.69	29	9.14	Sept. 27	10.97	Dec. 21	10.56

N2400. Roslyn Water District. Old Westbury Road and Locust Lane. Records available: 1947-50. Nov. 1, 70.90.

N2528. County Department of Public Works. Southwest corner Chicken Valley and Wolver Hollow Roads, Upper Brookville. Records available: 1947-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70.59	70.30	70.42	70.08	69.86	69.61	69.38	69.19	68.94	68.68	68.40	68.17
2	70.58	70.33	70.37	70.09	69.85	69.60	69.37	69.18	68.92	68.66	68.40	68.17
3	70.61	70.30	70.31	70.08	69.84	69.61	69.36	69.17	68.91	68.67	68.38	68.18
4	70.58	70.29	70.28	70.08	69.84	69.61	69.36	69.16	68.91	68.66	68.39	68.20
5	70.56	70.28	70.33	70.07	69.82	69.59	69.35	69.15	68.90	68.63	68.37	68.15
6	70.57	70.32	70.31	70.05	69.83	69.57	69.34	69.14	68.87	68.62	68.35	68.13
7	70.55	70.29	70.27	70.05	69.81	69.56	69.32	69.13	68.87	68.61	68.34	68.15
8	70.50	70.25	70.32	70.05	69.79	69.56	69.31	69.12	68.86	68.61	68.34	68.17
9	70.53	70.31	70.28	70.03	69.79	69.55	69.30	69.11	68.85	68.61	68.34	68.16
10	70.53	70.29	70.22	70.03	69.81	69.56	69.29	69.11	68.85	68.60	68.32	68.16
11	70.49	70.28	70.23	70.06	69.78	69.55	69.29	69.10	68.84	68.59	68.31	68.17
12	70.47	70.26	70.24	70.04	69.77	69.52	69.29	69.08	68.82	68.59	68.30	68.14
13	70.51	70.25	70.24	70.02	69.78	69.51	69.29	69.07	68.82	68.56	68.29	68.12
14	70.51	70.26	70.19	70.01	69.75	69.51	69.26	69.06	68.82	68.54	68.27	68.12
15	70.46	70.31	70.19	69.99	69.75	69.50	69.24	69.06	68.82	68.53	68.27	68.13
16	70.47	70.31	70.18	69.98	69.74	69.51	69.24	69.05	68.80	68.52	68.28	68.12
17	70.44	70.30	70.18	69.98	69.72	69.52	69.27	69.04	68.78	68.52	68.27	68.11
18	70.49	70.30	70.17	69.97	69.71	69.49	69.29	69.03	68.77	68.51	68.25	68.12
19	70.42	70.36	70.12	69.96	69.71	69.50	69.27	69.02	68.78	68.51	68.24	68.11
20	70.40	70.35	70.12	69.96	69.70	69.49	69.28	69.03	68.77	68.51	68.26	68.10
21	70.41	70.34	70.14	69.95	69.70	69.48	69.26	69.01	68.76	68.49	68.24	68.10
22	70.43	70.40	70.13	69.93	69.67	69.46	69.25	69.01	68.77	68.49	68.21	68.12
23	70.42	70.43	70.20	69.95	69.67	69.46	69.24	69.00	68.76	68.48	68.20	68.13
24	70.38	70.40	70.14	69.92	69.67	69.47	69.25	68.99	68.73	68.46	68.20	68.15
25	70.37	70.39	70.10	69.91	69.66	69.46	69.26	68.99	68.72	68.46	68.24	68.11
26	70.38	70.40	70.09	69.90	69.65	69.44	69.24	68.98	68.70	68.44	68.21	68.10
27	70.34	70.38	70.13	69.88	69.65	69.44	69.23	68.97	68.70	68.43	68.19	68.08
28	70.33	70.37	70.15	69.88	69.64	69.42	69.23	68.97	68.69	68.43	68.20	68.08
29	70.38		70.11	69.87	69.63	69.41	69.22	68.97	68.69	68.42	68.20	68.11
30	70.33		70.07	69.86	69.63	69.40	69.21	68.95	68.69	68.42	68.18	68.11
31	70.32		70.07		69.62		69.19	68.94		68.41		68.11

N2635. County Department of Public Works. About 50 feet east of Washington St., 650 feet south of intersection of Washington St. and Webster Ave., Port Washington. Records available: 1948-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.47	25.16	25.11	24.92	24.88	24.71	24.41	24.41	24.26	.....	23.92	23.84
2	25.47	25.20	25.06	24.95	24.88	24.69	24.40	24.41	24.26	.....	23.91	23.82
3	25.50	25.16	24.99	24.94	24.87	24.68	24.43	24.43	24.24	.....	23.88	23.83
4	25.49	25.14	24.96	24.96	24.86	24.73	24.47	24.45	24.23	.....	23.93	23.88

N2635--Continued.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.44	25.12	25.01	24.97	24.84	24.70	24.47	24.44	24.19	.....	23.98	23.85
6	25.44	25.15	24.99	24.95	24.85	24.66	24.50	24.41	24.16	23.96	23.91	23.79
7	25.45	25.13	24.95	24.92	24.84	24.63	24.49	24.38	24.16	23.96	23.90	23.80
8	25.38	25.08	25.00	24.93	24.79	24.62	24.46	24.36	24.15	23.97	23.90	23.88
9	25.39	25.15	24.99	24.93	24.77	24.61	24.44	24.34	24.15	.....	23.91	23.88
10	25.42	25.14	24.92	24.91	24.81	24.62	24.48	24.33	24.15	.....	23.90	23.88
11	25.39	25.12	24.92	24.94	24.80	24.61	24.53	24.32	24.18	.....	23.87	23.92
12	25.33	25.10	24.94	24.94	24.78	24.56	24.56	24.31	24.18	.....	23.86	23.90
13	25.37	25.09	24.97	24.94	24.80	24.56	24.57	24.29	24.17	24.02	23.85	23.86
14	25.39	25.16	24.94	24.93	24.77	24.58	24.53	24.27	24.20	24.02	23.84	23.84
15	25.33	25.22	24.92	24.91	24.77	24.63	24.49	24.27	24.21	24.01	23.84	23.85
16	25.34	25.19	24.90	24.90	24.77	24.64	24.52	24.25	24.19	23.97	23.87	23.90
17	25.29	25.16	24.90	24.90	24.74	24.66	24.58	24.24	24.14	23.97	23.87	23.88
18	25.35	25.13	24.91	24.88	24.74	24.62	.....	24.23	24.10	23.99	.....	23.88
19	25.29	25.18	24.85	24.87	24.77	24.60	.....	24.25	24.11	24.00	.....	23.85
20	25.24	25.15	24.84	24.89	24.77	24.60	.....	24.32	24.11	24.00	23.85	23.83
21	25.24	25.13	24.90	24.89	24.76	24.61	24.57	24.33	24.11	23.98	23.90	23.82
22	25.27	25.18	24.91	24.87	24.72	24.57	24.54	24.30	24.13	23.98	23.84	23.84
23	25.27	25.21	25.01	24.88	24.70	24.56	24.51	24.27	24.14	23.98	23.81	23.85
24	25.25	25.17	24.97	24.88	24.72	24.55	24.49	24.24	24.09	23.96	23.79	23.88
25	25.22	25.13	24.94	24.86	24.72	24.54	24.50	24.24	24.05	23.97	23.89	23.85
26	25.22	25.12	24.92	24.86	24.70	24.52	24.48	24.24	24.03	23.93	23.90	23.83
27	25.17	25.09	24.97	24.83	24.70	24.50	24.46	24.22	24.01	23.90	23.87	23.80
28	25.15	25.07	25.03	24.87	24.67	24.46	24.45	24.22	24.01	23.90	23.88	23.78
29	25.21	.....	25.00	24.85	24.71	24.44	24.45	24.24	24.00	23.91	23.90	23.86
30	25.18	.....	24.95	24.85	24.73	24.43	24.44	24.25	24.02	23.92	23.88	23.86
31	25.18	.....	24.92	.....	24.71	.....	24.41	24.25	.....	23.92	.....	23.86

N2790. U. S. Geol. Survey and Nassau County Department of Public Works. End of Second Ave. near Williamson Ave., Bay Park. Drilled unused test well in sands of Magothy (?) formation, diameter 6 inches, depth 560 feet below land surface, 4-inch screen at 538-560 feet. Records available: 1950.

Daily mean water level, above mean sea level, from recorder graph

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	3.86	3.68	3.52	3.57	3.20	3.10	3.92	3.93	3.96	4.43
2	.....	3.68	3.77	3.50	3.49	3.12	3.23	3.91	3.88	3.98	4.41
3	.....	3.42	3.75	3.48	3.51	3.05	3.46	3.99	3.92	3.93	4.50
4	.....	3.35	3.76	3.48	3.49	3.00	3.51	4.06	3.92	4.21	4.72
5	.....	3.50	3.76	3.46	3.46	3.12	3.56	3.91	3.84	4.17	4.47
6	.....	3.39	3.60	3.50	3.42	3.25	3.57	3.85	3.83	3.95	4.42
7	.....	3.35	3.60	3.37	3.32	3.27	3.58	3.80	3.88	4.02	4.70
8	.....	3.62	3.93	3.17	3.24	3.17	3.50	3.76	3.99	4.12	4.96
9	.....	3.43	3.81	3.17	3.17	3.09	3.42	3.80	3.99	4.24	4.85
10	.....	3.08	3.63	3.24	3.24	3.11	3.37	3.82	4.11	4.22	4.87
11	3.76	3.19	3.69	3.18	3.15	3.22	3.34	4.04	4.13	4.18	5.08
12	3.72	3.33	3.64	3.16	3.08	3.26	3.40	4.28	4.17	4.15	4.83
13	3.70	3.50	3.64	3.26	3.05	3.32	3.48	4.37	3.96	4.08	4.66
14	3.95	3.39	3.58	3.21	3.08	3.25	3.48	4.40	3.82	4.02	4.56
15	4.32	3.34	3.54	3.27	3.27	3.21	3.47	4.41	3.79	4.03	4.60
16	4.28	3.32	3.52	3.38	3.38	3.33	3.40	4.26	3.78	4.08	4.68
17	4.22	3.45	3.52	3.36	3.44	3.42	3.38	4.16	3.75	4.13	4.70
18	4.19	3.32	3.44	3.28	3.33	3.45	3.35	4.11	3.73	4.07	4.63
19	4.24	3.07	3.42	3.33	3.36	3.43	3.41	4.10	3.76	4.02	4.52
20	3.91	3.14	3.50	3.36	3.41	3.48	3.65	4.11	3.77	4.16	4.41
21	.....	3.39	3.52	3.30	3.46	3.45	3.73	4.17	3.74	4.16	4.45
22	4.07	3.51	3.40	3.20	3.35	3.40	3.71	4.31	3.76	3.89	4.50
23	4.19	3.86	3.48	3.16	3.33	3.32	3.76	4.32	3.92	3.93	4.45
24	3.98	3.65	3.46	3.22	3.38	3.33	3.78	4.15	3.97	4.12	4.62
25	3.81	3.64	3.46	3.21	3.40	3.38	3.82	4.06	4.05	5.09	4.37
26	3.79	3.61	3.49	3.21	3.38	3.28	3.83	3.98	3.87	.....	4.32
27	.....	3.77	3.46	3.23	3.34	3.25	3.83	3.98	3.82	.....	4.27
28	3.83	3.93	3.51	3.28	3.23	3.20	3.86	3.98	3.93	4.85	4.32
29	.....	3.82	3.47	3.36	3.16	3.20	3.80	3.99	3.97	4.72	4.49
30	.....	3.63	3.43	3.46	3.24	3.23	3.85	4.00	3.96	4.52	.....
31	.....	3.62	.....	3.52	.....	3.16	3.92	.....	3.93	.....	.....

Queens County

(Water levels are above or below mean sea level as indicated.)

Q64. American Ice Co. 83d St. and 45th Ave., Elmhurst. Records available: 1947-50.

Water level below mean sea level

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	6.60	Mar. 17	6.29	May 26	4.44	Aug. 4	4.76
13	6.59	24	5.96	June 2	4.46	11	4.76
20	6.73	31	6.11	9	4.46	18	4.80
27	6.71	Apr. 7	6.16	16	4.49	25	4.86
Feb. 3	6.67	14	5.93	23	4.49	Sept. 1	4.55
10	6.59	21	5.79	30	4.64	8	4.66
17	6.44	28	5.57	July 7	4.65	29	4.83
24	6.29	May 5	5.29	14	4.75	Oct. 31	3.73
Mar. 3	6.45	12	4.84	21	4.69	Nov. 28	3.46
10	6.44	19	4.49	28	4.79	Dec. 19	6.24

Q273. New York City Department of Water Supply, Gas and Electricity. On south side of Grand Central Parkway about 1,000 feet east of Queens Blvd., Forest Hills. Records available: 1935-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.89	3.81	3.94	3.65	3.73	3.68	3.17	3.14	3.13	3.17	3.21	3.18
2	3.94	3.88	3.95	3.73	3.77	3.60	3.14	3.09	3.13	3.14	3.21	3.10
3	4.05	3.89	3.79	3.74	3.77	3.61	3.17	3.10	3.10	3.15	3.16	3.18
4	4.09	3.81	3.71	3.75	3.78	3.72	3.21	3.12	3.11	3.21	3.19	3.37
5	3.98	3.74	3.83	3.80	3.81	3.66	3.21	3.14	3.07	3.13	3.30	3.31
6	3.95	3.81	3.97	3.73	3.83	3.56	3.26	3.14	2.99	3.04	3.10	3.06
7	4.02	3.94	3.86	3.64	3.83	3.45	3.22	3.08	3.01	3.01	3.01	3.04
8	3.83	3.92	3.98	3.68	3.72	3.40	3.16	3.08	3.06	3.06	3.06	3.24
9	3.83	4.08	4.08	3.66	3.67	3.40	3.15	3.10	3.08	3.17	3.15	3.29
10	3.96	4.11	3.87	3.61	3.79	3.47	3.20	3.12	3.11	3.26	3.21	3.31
11	3.96	4.02	3.81	3.73	3.79	3.50	3.23	3.13	3.15	3.26	3.15	3.42
12	3.79	3.91	3.96	3.83	3.78	3.38	3.28	3.08	3.12	3.30	3.09	3.41
13	3.89	3.84	4.07	3.84	3.83	3.31	3.35	3.08	3.09	3.29	3.10	3.26
14	4.05	3.88	4.06	3.82	3.79	3.35	3.32	3.20	3.16	3.13	3.09	3.18
15	3.92	4.04	3.99	3.75	3.75	3.39	3.18	3.29	3.24	3.06	3.10	3.21
16	3.95	4.08	4.01	3.70	3.76	3.41	3.18	3.25	3.23	2.99	3.20	3.31
17	3.89	4.02	4.05	3.72	3.68	3.50	3.28	3.22	3.09	3.03	3.29	3.22
18	4.02	3.92	4.10	3.73	3.63	3.44	3.35	3.19	3.01	3.14	3.27	3.19
19	3.96	3.97	3.86	3.69	3.65	3.43	3.29	3.21	3.09	3.22	3.18	3.16
20	3.83	3.94	3.71	3.74	3.66	3.44	3.27	3.31	3.14	3.30	3.24	3.09
21	3.81	3.86	3.81	3.78	3.66	3.45	3.22	3.26	3.18	3.26	3.38	3.04
22	3.93	3.99	3.83	3.71	3.60	3.35	3.17	3.19	3.27	3.24	3.22	3.10
23	4.00	4.13	4.07	3.75	3.59	3.32	3.16	3.12	3.34	3.23	3.08	3.19
24	3.96	4.02	4.03	3.78	3.63	3.39	3.20	3.09	3.20	3.20	3.04	3.32
25	3.86	3.92	3.85	3.74	3.66	3.43	3.30	3.10	3.07	3.23	3.27	3.29
26	3.88	3.87	3.69	3.76	3.64	3.40	3.31	3.10	3.02	3.19	3.40	3.18
27	3.85	3.83	3.73	3.69	3.63	3.36	3.28	3.09	3.01	3.10	3.34	3.06
28	3.75	3.78	3.89	3.71	3.64	3.27	3.26	3.12	3.03	3.08	3.37	3.01
29	3.90		3.88	3.68	3.66	3.21	3.25	3.17	3.07	3.14	3.37	3.16
30	3.93		3.74	3.67	3.69	3.19	3.21	3.17	3.13	3.21	3.31	3.22
31	3.88		3.62		3.68		3.14	3.13		3.23		3.21

Q278. New York City Department of Water Supply, Gas and Electricity. Alley Pond Parkway and Horace Harding Boulevard, Douglaston. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	+0.14	Apr. 26	0.45	July 25	2.50	Nov. 1	0.64
Feb. 27	+ .31	May 25	1.40	Aug. 30	4.65	29	+ .99
Mar. 28	.69	June 27	3.19	Sept. 25	2.22	Dec. 19	+ .19

Q283. New York City Department of Water Supply, Gas and Electricity. Underhill Ave. and 171st St., Flushing. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	7.82	Apr. 26	7.81	July 25	8.96	Nov. 1	7.62
Feb. 27	7.68	May 25	8.03	Aug. 30	9.64	28	6.61
Mar. 28	7.84	June 27	8.79	Sept. 25	8.94	Dec. 19	6.73

Q287. Broad Channel Corp. Southeast side of Shad Creek Road, about 100 feet south-west of Ninth Road, Broad Channel. Records available: 1939-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.3	7.9	8.2	8.2	8.3	8.0	7.2	5.9	5.5	6.5	7.9	8.2
2	7.7	8.2	8.0	8.2	8.2	7.8	7.0	5.9	5.6	6.6	8.0	8.3
3	7.9	7.7	7.5	8.1	8.1	7.9	6.9	5.9	5.7	6.8	7.9	8.4
4	7.8	7.8	7.7	8.1	8.1	8.0	6.9	5.8	5.7	6.9	8.3	8.9
5	7.5	7.8	8.0	8.0	8.2	...	6.8	5.7	5.5	6.8	7.9	8.3
6	7.9	8.1	7.8	7.8	8.3	...	6.8	5.9	5.5	7.0	7.6	8.1
7	7.5	8.0	7.9	8.3	8.0	...	6.7	5.8	5.4	6.9	7.8	8.4
8	7.5	8.0	8.5	8.8	e7.7	...	6.4	5.7	5.5	7.0	8.0	8.8
9	7.7	8.3	7.7	8.1	7.9	...	6.3	5.6	5.6	7.2	8.2	8.4
10	8.0	8.2	7.0	7.7	8.1	7.7	6.3	5.6	5.6	7.4	8.1	8.6
11	7.6	8.1	7.5	8.1	8.0	7.6	6.2	5.7	6.0	7.4	8.1	9.0
12	7.3	8.0	7.7	8.3	8.1	7.6	6.2	5.7	6.3	7.4	7.9	8.4
13	7.9	7.9	8.2	8.4	8.3	7.5	6.3	5.7	6.1	7.0	7.9	8.2
14	7.8	8.4	7.8	8.1	8.1	7.5	6.1	5.7	6.0	6.9	7.7	8.2
15	7.5	8.8	7.7	8.1	8.3	7.5	6.0	5.7	6.1	7.0	7.8	8.4
16	7.9	8.5	7.8	8.0	8.3	7.6	6.1	5.7	5.6	7.0	7.9	8.6
17	7.4	8.3	8.1	8.1	8.2	7.7	6.1	5.7	5.9	7.0	8.1	8.6
18	7.9	8.2	7.6	8.1	8.1	7.4	6.2	5.7	5.9	7.1	8.1	8.4
19	7.7	8.2	7.3	8.0	e8.2	7.5	6.1	5.9	6.0	7.3	7.9	8.2
20	7.6	7.5	7.5	8.2	8.2	7.5	6.2	5.9	6.2	7.4	8.2	8.0
21	7.8	7.8	8.1	8.1	e8.1	7.5	6.0	5.9	6.3	7.4	8.1	8.1
22	8.0	8.1	8.1	7.8	e8.1	7.4	6.0	5.5	6.7	7.6	7.7	8.2
23	8.0	8.5	8.5	8.1	e8.0	7.4	5.9	5.6	6.7	8.0	8.0	8.3
24	8.0	8.0	7.9	8.2	e8.0	7.5	6.0	5.5	6.5	7.8	8.3	8.6
25	8.0	7.7	7.9	8.2	e8.1	7.6	6.1	5.7	6.4	7.8	10.9	8.2
26	7.8	7.9	7.8	8.3	8.0	7.6	6.0	5.6	6.3	7.5	8.9	8.2
27	7.6	7.7	e8.1	8.2	8.0	...	6.1	5.6	6.3	7.4	8.6	8.1
28	7.9	8.1	e8.1	8.2	8.0	...	6.2	5.6	6.4	7.6	8.7	8.2
29	8.0		e8.1	8.2	8.0	...	6.2	5.6	6.4	7.6	8.4	8.5
30	7.7		e7.5	8.0	8.0	...	6.1	5.5	6.5	7.6	8.1	8.6
31	8.1		e7.7		8.0		6.0	5.6		7.8		8.7

e Estimated.

Q350. New York Water Service Corp. Deep test well, 700 feet east of Centerville St., 200 feet north of Aqueduct pumping station, about 0.5 mile south of Rockaway Blvd., Aqueduct. Records available: 1937-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.28	0.24	0.70	0.77	0.68	0.82	0.69	0.88	1.00	0.93	0.76	0.89
2	.29	.27	.70	.78	.68	.82	.68	.87	1.00	.91	.76	.89
3	.30	.28	.69	.78	.69	.83	.68	.88	.99	.91	.75	.90
4	.31	.28	.68	.79	.69	.85	.68	.92	.99	.91	.75	.92
5	.30	.28	.69	.79	.69	.85	.68	.94	.98	.89	.78	.91
6	.30	.30	.71	.78	.70	.85	.69	.94	.96	.87	.77	.89
7	.31	.31	.69	.77	.71	.84	.71	.94	.96	.85	.77	.89
8	.28	.28	.72	.78	.69	.84	.70	.94	.95	.84	.77	.93
9	.29	.32	.72	.78	.68	.84	.70	.94	.95	.85	.78	.96
10	.30	.34	.70	.77	.70	.84	.70	.94	.94	.85	.78	.97
11	.30	.34	.69	.79	.70	.84	.78	.93	.94	.84	.75	1.00
12	.28	.34	.71	.79	.69	.82	.84	.91	.95	.85	.74	1.01
13	.29	.35	.72	.79	.70	.81	.86	.90	.95	.84	.74	1.00
14	.31	.36	.71	.78	.70	.81	.86	.89	1.00	.82	.73	1.00
15	.28	.42	.71	.76	.70	.80	.85	.88	1.03	.80	.73	1.01
16	.29	.48	.71	.75	.70	.81	.86	.88	1.03	.79	.74	1.02
17	.27	.51	.72	.75	.70	.83	.91	.87	1.01	.78	.75	1.03
18	.29	.53	.73	.75	.70	.81	.93	.86	1.01	.79	.73	1.03
19	.27	.57	.69	.72	.71	.80	.93	.86	1.02	.79	.72	1.03
20	.25	.58	.67	.72	.74	....	.93	.92	1.02	.80	.73	1.02
21	.24	.59	.68	.72	.75	....	.93	1.01	1.02	.78	.74	1.01
22	.26	.62	.69	.70	.76	....	.92	1.02	1.02	.77	.72	1.01
23	.26	.65	.75	.70	.76	h.74	.92	1.01	1.03	.77	.70	1.01
24	.25	.65	.76	.69	.78	....	.92	1.01	1.00	.76	.69	1.02
25	.24	.66	.75	.68	.78	....	.93	1.01	.98	.78	.71	1.01
26	.25	.67	.75	.68	.78	....	.92	1.00	.96	.77	.79	.97
27	.24	.68	.76	.66	.79	....	.92	1.00	.95	.76	.84	....
28	.23	.68	.78	.66	.79	....	.92	1.00	.94	.75	.86	....
29	.26		.78	.66	.79	....	.92	1.00	.94	.76	.89	.95
30	.25		.78	.66	.80	.69	.91	1.00	.93	.77	.89	1.00
31	.24		.77		.81		.90	1.00		.77		1.01

h Tape measurement.

Q470. New York City Department of Water Supply, Gas and Electricity. About 325 feet south of Northern Blvd. and 110 feet west of Cross Island Parkway (Belt Parkway), Bayside. Records available: 1933-50.

Daily mean water level, above and below msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.22	+0.20	+0.44	0.25	0.05	0.50	1.82	2.22	2.70	1.47	0.41	+0.65
2	.15	+ .18	+ .42	.22	.03	.51	2.00	2.33	2.70	1.47	.35	+ .62
3	.04	+ .16	+ .33	.18	.02	.52	2.18	2.45	2.70	1.48	.31	+ .62
4	+ .07	+ .13	+ .24	.15	.03	.52	2.32	2.49	2.67	1.48	.27	+ .67
5	+ .11	+ .10	+ .17	.12	.04	.51	2.44	2.49	2.63	1.48	.20	+ .72
6	+ .12	+ .10	+ .16	.12	.06	.50	2.50	2.46	2.58	1.48	.18	+ .69
7	+ .14	+ .14	+ .12	.11	....	.52	2.53	2.40	2.58	1.46	.17	+ .64
8	+ .11	+ .13	+ .09	.09	....	.56	2.53	2.31	2.55	1.42	.14	+ .63
9	....	+ .12	+ .08	.08	....	.60	2.53	2.23	2.55	1.35	.10	+ .62
10	....	+ .13	.03	.12	....	.66	2.51	2.18	2.56	1.25	.05	+ .61
11	....	+ .15	.13	.12	....	.71	2.48	2.16	2.57	1.15	.03	+ .64
12	....	+ .19	.17	.11	h.10	.78	2.46	2.17	2.53	1.06	.02	+ .65
13	+ .07	+ .22	.17	.13	....	.85	2.42	2.20	2.50	1.00	.01	+ .61
14	+ .11	+ .29	.16	.14	....	.93	2.37	2.22	2.47	.98	+ .00	+ .55
15	+ .11	+ .40	.19	.15	.11	.99	2.35	2.26	2.42	.96	+ .00	+ .50
16	+ .18	+ .50	.23	.17	.10	1.03	2.31	2.32	2.36	.95	+ .02	+ .49
17	+ .22	+ .57	.25	.18	.14	1.05	2.22	2.41	2.31	.91	+ .06	+ .47
18	+ .28	+ .59	.25	.19	.20	1.08	2.11	2.50	2.26	.86	+ .08	+ .46
19	+ .33	+ .61	.29	.20	.25	1.08	1.99	2.60	2.19	.81	+ .08	+ .46
20	+ .32	+ .62	.33	.21	.29	1.05	1.91	2.70	2.10	.76	+ .10	+ .45
21	+ .30	+ .57	.32	.22	.35	1.02	1.85	2.74	2.02	.73	+ .14	+ .45
22	+ .31	+ .54	.30	.24	.41	1.03	1.80	2.77	1.90	.70	+ .13	+ .46
23	+ .34	+ .56	.24	.24	.46	1.06	1.74	2.78	1.76	.65	+ .09	+ .50
24	+ .35	+ .54	.21	.18	.49	1.09	1.69	2.77	1.69	.62	+ .07	+ .56
25	+ .35	+ .51	.21	.13	.50	1.13	1.65	2.74	1.66	.60	+ .16	+ .62
26	+ .32	+ .47	.25	.09	.51	1.19	1.63	2.72	1.61	.60	+ .30	+ .66
27	+ .29	+ .45	.27	.08	.51	1.28	1.65	2.71	1.57	.61	+ .33	+h.69
28	+ .22	+ .43	.23	.08	.49	1.38	1.71	2.70	1.54	.60	+ .50	+h.70
29	+ .20		.21	.08	.49	1.52	1.82	2.69	1.52	.58	+ .61	+ .71
30	+ .20		.22	.07	.49	1.68	1.95	2.70	1.49	.53	+ .65	+ .76
31	+ .21		.25		.49		2.10	2.71		.48		+ .79

h Tape measurement.

Q471. New York City Department of Water Supply, Gas and Electricity well Bayside 11. About 310 feet south of Northern Blvd. and 110 feet west of Cross Island Parkway (Belt Parkway), Bayside. Records available: 1938-50. Water levels are above msl.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	15.24	May 25	14.94	Aug. 30	14.63	Nov. 29	14.78
Mar. 28	15.16	June 27	14.80	Sept. 25	14.61	Dec. 19	14.58
Apr. 26	15.02	July 25	14.78	Nov. 1	14.55		

Q543. New York City Department of Water Supply, Gas and Electricity well 3. Rockaway Beach Blvd. and Beach 110th St., Rockaway Park. Records available: 1932, 1936-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.1	9.4	9.6	9.6	9.7	9.5	8.7	7.5	7.0	7.7	9.2	9.4
2	9.2	9.6	9.2	9.8	9.6	9.3	8.5	7.5	7.0	7.8	9.3	9.4
3	9.4	9.1	8.7	9.6	9.5	9.5	8.5	7.5	7.2	8.0	9.2	9.5
4	9.2	9.2	8.9	9.6	9.6	9.5	8.6	7.5	7.2	8.1	9.7	10.1
5	8.9	9.2	9.4	9.5	9.6	9.5	8.6	7.3	7.0	8.1	9.2	9.4
6	9.4	9.5	9.1	9.3	9.8	9.4	8.5	7.4	7.0	8.1	8.8	9.2
7	9.0	9.6	9.2	9.7	9.6	9.2	8.4	7.5	6.9	8.1	8.9	9.8
8	8.8	9.5	9.9	10.4	9.2	9.1	8.1	7.3	7.0	8.3	9.1	10.1
9	9.1	9.8	8.9	9.7	9.4	9.0	8.0	7.1	7.1	8.4	9.4	9.6
10	9.4	9.5	8.3	9.2	9.5	9.3	8.0	7.1	7.1	8.6	9.3	9.7
11	8.9	9.7	9.0	9.6	9.5	9.2	7.9	7.1	7.5	8.6	9.2	10.1
12	8.7	9.4	9.3	9.7	9.6	9.1	7.8	e7.2	7.9	8.6	9.2	9.6
13	9.3	9.3	9.9	9.8	9.8	9.0	7.9	e7.2	7.7	8.1	9.0	9.3
14	9.1	10.1	9.1	9.5	9.7	9.0	7.7	e7.1	7.5	8.0	8.9	9.3
15	9.0	10.3	9.1	9.7	9.8	9.1	7.6	e7.2	7.5	8.2	9.0	9.5
16	9.4	10.0	9.2	9.5	9.9	9.1	7.7	e7.2	7.3	8.2	9.2	9.8
17	8.7	9.7	9.6	9.6	9.7	9.3	7.8	e7.2	7.2	8.1	9.3	9.6
18	9.3	9.6	9.0	9.6	9.5	8.9	7.8	7.2	7.2	8.2	9.3	9.4
19	9.1	9.7	8.6	9.6	9.8	9.1	7.8	7.2	7.3	8.5	9.1	9.3
20	9.0	8.8	8.9	9.7	...	9.1	7.9	7.4	7.5	8.6	9.5	9.1

Q543--Continued.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	9.2	9.1	9.6	9.6	...	9.2	7.8	7.3	7.7	8.7	9.1	9.2
22	9.4	9.7	9.7	9.4	...	8.9	7.7	7.0	8.0	8.8	8.8	9.2
23	9.5	10.0	10.3	9.7	...	8.9	7.6	7.0	7.9	9.2	9.3	9.3
24	9.5	9.5	9.6	9.7	...	9.0	7.6	7.0	7.6	9.1	9.6	9.8
25	9.5	9.0	9.5	9.7	...	9.1	7.7	7.0	7.5	9.1	11.4	9.3
26	9.3	9.3	9.4	9.8	...	9.1	7.5	7.1	7.4	8.7	10.3	9.3
27	9.0	9.1	9.7	9.7	9.5	9.3	7.6	7.0	7.4	8.6	10.0	9.3
28	9.4	9.5	9.8	9.6	9.5	9.0	7.7	7.1	7.5	8.9	10.0	9.4
29	9.6		9.6	9.5	9.5	9.0	7.7	7.1	7.7	8.9	9.6	10.0
30	9.1		9.0	9.5	9.5	8.9	7.6	7.1	7.7	8.9	9.4	10.0
31	9.6		9.3		9.5		7.5	7.1		9.0		10.0

e Estimated.

Q1027. New York City Department of Parks. About 370 feet west of Rodman St., 35 feet north of 58th Ave. extended, Flushing Meadow Park, Flushing. Records available: 1942-43, 1946-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.00	6.91	7.11	6.95	7.15	7.16	6.83	6.83	6.88	6.82	6.81	6.75
2	7.03	7.01	7.03	6.99	7.14	7.07	6.81	6.82	6.85	6.80	6.82	6.72
3	7.09	6.94	6.89	6.99	7.14	7.08	6.84	6.85	6.85	6.86	6.79	6.79
4	7.08	6.91	6.86	6.98	7.18	7.14	6.85	6.87	6.88	6.89	6.87	6.93
5	7.00	6.87	6.96	6.93	7.15	7.06	6.86	6.86	6.80	6.83	6.93	6.81
6	7.05	6.98	6.95	6.78	7.18	7.01	6.92	6.84	6.74	6.80	6.79	6.70
7	7.04	6.95	6.90	6.67	7.17	6.98	6.88	6.83	6.76	6.78	6.80	6.77
8	6.90	6.94	7.05	6.70	7.13	6.97	6.83	6.83	6.80	6.83	6.83	6.88
9	6.97	7.04	6.99	6.69	7.16	6.97	6.82	6.82	6.81	6.88	6.87	6.84
10	7.05	7.02	6.84	6.69	7.26	7.01	6.89	6.83	6.84	6.93	6.84	6.86
11	6.95	7.02	6.88	6.83	7.24	7.00	6.97	6.82	6.92	6.87	6.79	6.98
12	6.87	6.97	6.96	6.88	7.24	6.92	6.99	6.78	6.92	6.95	6.76	6.91
13	7.00	6.97	7.07	6.92	7.29	6.91	7.00	6.77	6.94	6.89	6.76	6.80
14	7.04	7.09	7.01	6.92	7.23	6.94	6.93	6.77	6.99	6.84	6.74	6.76
15	6.93	7.23	7.01	6.89	7.25	6.96	6.86	6.78	7.00	6.85	6.74	6.80
16	6.99	7.18	7.03	6.89	7.25	6.99	6.87	6.76	6.90	6.84	6.78	6.85
17	6.90	7.11	7.06	6.94	7.19	....	6.95	6.73	6.84	6.84	6.81	6.76
18	7.04	7.05	7.03	6.96	7.16	....	6.97	6.74	6.83	6.86	6.76	6.75
19	6.93	7.13	6.86	6.95	7.19	....	6.88	6.77	6.86	6.90	6.72	6.71
20	6.85	7.03	6.87	7.00	7.17	....	6.91	6.88	6.87	6.91	6.82	6.69
21	6.85	7.00	7.00	7.00	7.12	....	6.85	6.89	6.90	6.85	6.88	6.69
22	6.95	7.14	6.99	6.96	7.03	....	6.83	6.84	6.97	6.87	6.77	6.73
23	6.95	7.23	7.19	7.02	7.04	6.93	6.81	6.79	6.97	6.91	6.74	6.75
24	6.92	7.10	7.03	7.02	7.07	6.95	6.84	6.79	6.86	6.89	6.75	6.83
25	6.88	7.04	6.94	7.03	7.06	6.97	6.90	6.78	6.80	6.90	7.09	6.76
26	6.90	7.05	6.88	7.08	7.05	6.96	6.89	6.78	6.77	6.82	6.99	6.75
27	6.83	7.02	7.00	7.04	7.06	6.97	6.89	6.80	6.79	6.76	6.91	6.69
28	6.84	7.02	7.11	7.09	7.06	6.92	6.90	6.85	6.81	6.77	6.93	6.70
29	6.96		7.03	7.07	7.11	6.89	6.90	6.89	6.81	6.78	6.89	6.82
30	6.90		6.92	7.07	7.14	6.88	6.88	6.85	6.81	6.80	6.80	6.79
31	6.96		6.92		7.14		6.86	6.85		6.79		6.80

*Q1089. New York City Department of Water Supply, Gas and Electricity, North side of North Conduit Ave., about 800 feet east of Far Rockaway Branch of Long Island Railroad, Aqueduct. Records available: 1911-17, 1932-39, 1941-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	1.24	Apr. 26	1.51	July 25	1.71	Oct. 30	1.68
Mar. 1	1.51	May 25	1.59	Aug. 29	1.83	Nov. 27	1.77
28	1.21	June 27	1.47	Sept. 27	1.83	Dec. 18	2.11

*Q1090. New York City Department of Water Supply, Gas and Electricity. East side of Hawtree Creek Rd., about 350 feet south of 133d Ave., Aqueduct. Records available: 1911-17, 1932-50.

Jan. 24	2.05	Apr. 26	2.37	July 25	2.15	Oct. 30	2.28
Mar. 1	2.12	May 25	2.30	Aug. 28	2.24	Nov. 28	2.15
28	2.24	June 27	2.19	Sept. 27	2.31	Dec. 20	2.18

Q1152. New York City Department of Water Supply, Gas and Electricity. Oconee pumping station well 1 east leg. Sunrise Highway and 131st St. Records available: 1947-50.

* Water levels are above msl.

Q1152--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	2.20	Apr. 26	5.70	July 25	1.67	Oct. 31	0.07
Mar. 1	4.89	May 25	4.45	Aug. 29	.94	Nov. 28	+1.08
28	6.12	June 27	5.84	Sept. 27	.16	Dec. 20	+.02

*Q1222. New York City Department of Water Supply, Gas and Electricity well Whitestone 9. About 200 feet east of 142d St., about 850 feet north of 20th Ave., Whitestone. Records available: 1940-50.

Jan. 24	0.88	Apr. 26	0.99	July 25	0.61	Nov. 1	1.04
Feb. 27	.99	May 25	1.08	Aug. 30	.49	29	1.84
Mar. 28	1.07	June 27	.81	Sept. 25	.66	Dec. 19	1.61

*Q1223. New York City Department of Water Supply, Gas and Electricity. Northeast corner of Rockaway and 142d Place, South Ozone Park. Records available: 1933-50.

Jan. 24	4.72	Apr. 26	5.26	July 25	5.36	Oct. 31	5.37
Mar. 1	5.32	May 25	5.16	Aug. 28	5.67	Nov. 27	5.41
28	5.32	June 27	5.02	Sept. 25	5.70	Dec. 19	5.66

*Q1225. New York City Department of Water Supply, Gas and Electricity. Southeast corner of 109th Ave. and 200th St., Hollis. Records available: 1933-50.

Jan. 24	25.54	Apr. 26	25.01	July 25	24.61	Oct. 31	24.31
Feb. 27	25.28	May 25	24.86	Aug. 29	24.60	Nov. 29	24.05
Mar. 28	24.90	June 27	24.72	Sept. 26	24.53	Dec. 19	24.00

Q1237. New York City Department of Water Supply, Gas and Electricity. Belt (Southern) Parkway about 1,450 feet west of 150th St., Baisley Park. Records available: 1939-40 (as Q337), 1940-50.

Daily mean water level, above and below msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.85	5.01	5.73	5.63	5.42	3.56	2.82	1.40	+0.17	+0.45	+0.25	+0.75
2	6.83	4.97	5.73	5.55	5.52	3.65	2.74	.85	+0.05	+0.05	+0.24	+.96
3	6.57	5.43	5.78	5.56	5.57	4.07	2.43	.12	+0.40	.15	+0.14	+1.17
4	6.48	5.79	5.80	5.65	5.53	3.90	2.33	+0.24	+0.78	.41	+0.60	+1.43
5	6.38	6.01	5.65	5.67	5.49	4.00	1.55	.08	+0.67	.05	+0.82	+1.20
6	5.05	5.99	5.57	5.79	5.32	3.94	1.21	+0.08	+0.52	.15	+0.60	+.90
7	4.61	5.97	5.63	5.85	5.30	3.84	.92	+0.35	+0.30	+0.08	+0.65	+.77
8	4.76	6.03	5.30	5.67	5.28	4.82	1.53	+0.10	.02	.05	+0.68	+1.02
9	4.67	5.82	4.48	5.60	5.59	5.42	1.77	.45	+0.00	+0.13	+0.43	+1.00
10	4.47	5.83	5.56	5.68	5.52	4.86	1.64	.68	.12	+0.15	+0.12	+.89
11	4.44	5.82	5.90	5.72	5.42	5.10	.90	.85	+0.47	+0.46	+0.17	+1.01
12	4.58	5.82	5.83	5.67	5.47	4.84	.67	.23	+0.86	+0.35	+0.24	+.95
13	4.52	5.83	5.66	5.66	5.32	4.94	.62	+0.16	+1.12	+0.19	+0.17	+.86
14	4.39	5.71	5.60	5.67	5.42	4.75	.54	.05	+1.50	+0.00	+0.20	+.69
15	4.56	....	5.64	5.76	5.30	3.66	.55	.57	+1.38	+0.43	+0.25	+.54
16	4.55	....	5.92	5.79	4.89	3.76	.16	.74	+1.17	+0.07	+0.41	+.71
17	4.66	....	6.11	5.79	4.72	3.60	+0.06	.98	+0.99	+0.00	+0.50	+.73
18	4.59	5.39	5.70	5.81	4.54	4.05	.54	.95	+1.04	+0.05	+0.52	+.54
19	4.69	5.37	5.93	5.84	4.04	3.79	.59	.86	+1.10	+0.33	+0.28	+.27
20	4.80	5.47	6.16	5.78	3.77	3.72	.43	+0.25	+1.22	+0.22	+0.31	+.25
21	4.84	5.72	6.60	5.67	3.90	3.94	.08	+0.78	+1.28	+0.08	+0.55	+.21
22	4.80	5.67	6.79	5.68	4.10	4.40	.44	+0.60	+1.24	.09	+0.36	+.27
23	4.77	5.46	6.59	5.73	4.19	4.66	.62	+0.63	+1.11	+0.45	+0.23	+.22
24	4.74	5.50	6.71	5.71	4.03	4.76	.42	+0.38	+0.90	+0.82	+0.37	+.26
25	4.72	5.63	6.90	5.52	4.03	4.72	.16	+0.24	+0.68	+1.15	+.95	+.30
26	4.77	5.84	6.92	5.38	4.24	5.02	.90	+0.18	+0.79	+1.18	+2.23	+.02
27	ea 4.80	5.92	5.66	5.33	4.26	5.26	1.10	+0.02	+0.74	+0.82	+2.43	.18
28	4.92	5.94	5.35	5.23	4.48	5.00	1.52	+0.23	+0.78	+0.53	+1.60	.11
29	4.91		5.03	5.36	4.33	3.58	1.04	.05	+0.88	+0.47	+1.02	+.07
30	4.97		5.48	5.39	3.96	2.72	.78	+0.03	+1.07	+0.39	+.75	+.12
31	5.04		5.66		3.89		1.00	+0.42		+0.22		+.17

e Estimated.

*Q1248. New York City Department of Water Supply, Gas and Electricity. 100th Rd., and Belt (Cross Island) Parkway, Queens Village. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	35.45	Apr. 26	35.25	July 25	34.70	Nov. 1	34.21
Feb. 27	35.25	May 25	35.13	Aug. 30	34.62	29	34.00
Mar. 28	35.37	June 27	34.93	Sept. 25	34.51	Dec. 19	33.88

* Water levels are above msl.

*Q1249. New York City Department of Water Supply, Gas and Electricity. Northwest corner of 106th Ave. and 216th St., Queens Village. Records available: 1940-46, 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	30.20	Apr. 26	29.72	July 25	29.33	Nov. 1	29.00
Feb. 27	29.89	May 25	29.64	Aug. 29	29.34	29	28.84
Mar. 28	29.57	June 27	29.46	Sept. 25	29.24	Dec. 19	28.74

*Q1250. New York City Department of Water Supply, Gas and Electricity. Southwest corner of Liberty and Camden Aves., Hollis. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	18.88	Apr. 26	18.63	July 25	18.40	Nov. 1	17.71
Feb. 27	19.03	May 25	18.43	Aug. 29	18.33	28	17.36
Mar. 28	18.73	June 27	18.48	Sept. 25	18.10	Dec. 19	17.33

*Q1251. New York City Department of Water Supply, Gas and Electricity. Northwest corner of 107th Ave. and 172d St., Jamaica. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	9.18	Apr. 26	9.33	July 25	9.49	Nov. 1	9.04
Feb. 27	9.17	May 25	9.22	Aug. 29	9.40	28	8.71
Mar. 28	9.03	June 27	9.79	Sept. 25	9.26	Dec. 19	8.80

*Q1252. New York City Department of Water Supply, Gas and Electricity. Northeast corner of Liberty Ave. and 157th St., Jamaica. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	11.60	May 5	11.10	July 25	10.05	Oct. 31	9.76
Feb. 27	11.54	25	10.77	Aug. 29	9.94	Nov. 28	9.66
Mar. 28	11.15	June 27	10.18	Sept. 25	9.86	Dec. 19	9.67
Apr. 26	11.14						

*Q1253. New York City Department of Water Supply, Gas and Electricity. Northeast corner of 101st Ave. and 121st St., Richmond Hill. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	1.15	Apr. 26	1.11	July 25	0.86	Oct. 31	0.76
Feb. 27	1.08	May 25	1.05	Aug. 29	.86	Nov. 28	.78
Mar. 28	1.03	July 3	1.06	Sept. 25	.80	Dec. 20	.59

Q1254. New York City Department of Water Supply, Gas and Electricity. Northwest corner of 101st Ave. and 108th St., Richmond Hill. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	2.43	Apr. 26	2.21	July 25	3.34	Oct. 31	3.84
Feb. 27	3.94	May 25	2.14	Aug. 29	3.64	Nov. 28	3.16
Mar. 28	2.32	June 27	3.55	Sept. 25	3.76	Dec. 19	3.61

Q1255. New York City Department of Water Supply, Gas and Electricity. Northwest corner of Atlantic Ave. and Woodhaven Blvd., Woodhaven. Records available: 1911-17, 1932-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	3.11	Apr. 26	2.64	Aug. 29	4.14	Nov. 28	4.46
Mar. 1	3.24	June 29	4.22	Sept. 25	4.23	Dec. 19	4.24
28	2.97	July 25	3.95	Oct. 31	4.47		

Q1256. New York City Department of Water Supply, Gas and Electricity. Southeast corner of 95th Ave. and 82d St., Woodhaven. Records available: 1940-43, 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	2.20	Apr. 26	1.70	July 25	2.56	Oct. 30	2.92
Feb. 28	1.95	May 25	2.05	Aug. 28	2.74	Nov. 27	2.88
Mar. 28	1.77	June 27	2.30	Sept. 25	2.84	Dec. 18	2.83

Q1267. New York Water Service Corp. Sta. 3, Well 7. 91st St. between 101st and 97th Aves., Woodhaven. Drilled unused test well in water-table (glacial) deposits, diameter 4 inches, depth 121 feet. Records available: 1946-50. Replacement for well Q1266 at which water-level measurements were made through June 1949.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	2.48	May 25	2.28	July 25	2.65	Oct. 30	2.98
Mar. 1	2.12	June 8	2.37	Aug. 29	2.79	Nov. 28	2.95
28	1.95	27	2.52	Sept. 25	2.87	Dec. 19	2.95
Apr. 26	1.94						

Q1281. New York City Department of Water Supply, Gas and Electricity. At southwest corner of Liberty Ave. and Woodhaven Blvd., Ozone Park. Records available: 1911-17, 1933, 1941-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	1.18	Apr. 26	1.03	July 25	1.07	Oct. 30	1.14
Mar. 1	.92	May 25	.92	Aug. 28	1.03	Nov. 27	1.14
28	.95	June 27	1.03	Sept. 25	1.05	Dec. 18	.93

* Water levels are above msl.

*Q1282. New York City Department of Water Supply, Gas and Electricity. Northeast corner of Liberty Ave. and 113th St., Richmond Hill. Records available: 1933-37, 1941-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	2.22	May 25	2.16	Aug. 17	2.28	Oct. 31	2.18
Feb. 27	2.14	June 27	2.34	29	2.24	Nov. 28	2.59
Mar. 28	2.06	July 25	2.32	Sept. 25	2.20	Dec. 19	2.77
Apr. 26	2.02						

*Q1283. New York City Department of Water Supply, Gas and Electricity. Southeast corner of Rockaway Blvd., and 121st St., South Ozone Park. Records available: 1911-16, 1933-35, 1941-50.

Jan. 24	1.90	Apr. 26	3.87	July 25	2.48	Oct. 30	2.62
Feb. 27	2.12	May 25	2.88	Aug. 28	2.55	Nov. 28	2.60
Mar. 28	2.41	June 27	2.32	Sept. 27	2.83	Dec. 20	2.94

*Q1284. New York City Department of Water Supply, Gas and Electricity. Northwest corner of Rockaway Blvd. and Lincoln St., South Ozone Park. Records available: 1911-14, 1933-34, 1941-50.

Jan. 24	7.72	Apr. 26	7.26	July 25	6.29	Oct. 31	6.67
Mar. 1	7.20	May 25	8.03	Aug. 28	6.98	Nov. 28	7.36
28	7.59	June 27	7.03	Sept. 27	7.16	Dec. 20	6.97

*Q1285. New York City Department of Water Supply, Gas and Electricity. Northwest corner of 132d St. and 111th Ave., South Ozone Park. Records available: 1933-34, 1941-50.

Jan. 24	4.21	May 25	4.24	Aug. 16	4.06	Oct. 31	3.98
Mar. 1	3.67	June 27	4.07	28	4.02	Nov. 28	3.77
28	3.93	July 25	4.05	Sept. 25	4.09	Dec. 19	3.87
Apr. 26	4.30						

*Q1286. New York City Department of Water Supply, Gas and Electricity. East side of 144th Place about 315 feet south of Jamaica Ave., Jamaica. Records available: 1933-34, 1941-50.

Jan. 25	8.35	May 5	8.01	July 25	7.60	Nov. 1	7.13
Feb. 27	8.28	25	7.96	Aug. 29	7.39	28	7.00
Mar. 28	7.98	June 27	7.79	Sept. 25	7.19	Dec. 19	7.00

*Q1287. New York City Department of Water Supply, Gas and Electricity. Northeast corner of Merrick Blvd. and 116th Ave., St. Albans. Records available: 1933-34, 1941-50.

Jan. 24	10.88	Apr. 26	11.44	July 25	11.16	Nov. 1	10.76
Mar. 1	11.85	May 25	11.33	Aug. 29	11.47	29	10.95
28	11.65	June 27	11.02	Sept. 25	11.24	Dec. 19	11.27

*Q1288. New York City Department of Water Supply, Gas and Electricity. Northwest corner of Murdock Ave. and 180th St., St. Albans. Records available: 1933-35, 1941-50.

Jan. 26	15.56	Apr. 26	15.76	July 25	15.50	Nov. 1	15.00
Mar. 1	15.97	May 25	15.55	Aug. 28	15.58	29	14.78
28	15.64	June 27	15.55	Sept. 25	15.34	Dec. 19	14.76

*Q1289. New York City Department of Water Supply, Gas and Electricity. Northwest corner of Springfield Blvd. and 110th Ave., Queens Village. Records available: 1933-38, 1941-50.

Jan. 24	30.39	May 25	29.64	Aug. 16	29.24	Nov. 1	29.17
Mar. 1	29.81	June 27	29.48	30	29.34	29	28.93
29	29.80	July 25	29.35	Sept. 25	29.36	Dec. 19	28.84
Apr. 26	29.76						

*Q1290. New York City Department of Water Supply, Gas and Electricity. Southwest corner of Merrick Road and Springfield Blvd., Springfield. Records available: 1933-36, 1940-50. Jan. 24, 14.80; Mar. 1, 14.92; Mar. 29, 14.49; Apr. 26, 13.71; Nov. 29, 13.71.

* Water levels are above msl.

Suffolk County

(Water levels are in feet above mean sea level unless otherwise indicated.)

S58. New York City Department of Water Supply, Gas and Electricity. California Stovepipe well 6. Southwest corner of Grand Blvd. and 44th St., Islip. Records available: 1944-50.

S58--Continued.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.81	22.86	23.78	23.50	23.23	23.68	h23.37	22.85	22.71	22.53	22.43	22.63
2	22.83	22.88	23.74	23.51	23.24	23.70	23.35	22.84	22.70	22.52	22.43	22.64
3	22.85	22.90	23.70	23.52	23.24	23.74	23.34	22.85	22.70	25.51	22.43	22.65
4	22.87	22.92	23.66	23.52	23.25	23.77	23.32	22.91	22.69	22.50	22.43	22.65
5	22.88	22.94	23.64	23.52	23.26	23.79	23.30	22.93	22.68	22.50	22.43	22.66
6	22.89	22.98	23.61	23.51	23.27	23.81	23.29	22.92	22.67	22.50	22.42	22.67
7	22.89	23.02	23.58	23.49	23.27	23.83	23.27	22.90	22.66	22.49	22.42	22.67
8	22.90	23.07	23.56	23.48	23.26	23.84	23.25	22.86	22.65	22.49	22.42	22.68
9	.....	23.13	23.53	23.46	23.26	23.85	23.23	22.83	22.64	22.48	22.41	22.69
10	.....	23.16	23.50	23.44	23.28	23.85	23.22	22.83	22.63	22.48	22.41	22.70
11	.....	23.19	23.47	23.44	23.28	23.84	23.21	22.82	22.63	22.51	22.41	22.70
12	.....	23.21	23.45	23.42	23.28	23.80	23.20	22.81	22.63	22.51	22.40	22.71
13	.....	23.22	23.44	23.40	.....	23.77	23.17	22.79	22.63	22.52	22.40	22.73
14	22.90	23.24	23.42	23.38	.....	23.74	23.16	22.79	22.68	22.51	22.40	22.74
15	22.90	23.27	23.39	23.36	.....	23.72	23.14	22.78	22.70	22.50	22.39	22.75
16	22.90	23.34	23.38	23.34	.....	23.72	23.14	22.76	22.70	22.49	22.39	.....
17	22.89	23.47	23.36	23.33	23.28	23.71	23.13	22.75	22.67	22.47	22.38	.....
18	22.88	23.68	23.34	23.30	23.28	23.69	23.11	22.74	22.64	22.47	22.37	.....
19	22.88	23.82	23.32	23.29	23.28	23.67	23.16	22.73	22.63	22.47	22.36	.....
20	22.88	23.93	23.30	23.29	23.33	23.64	23.08	22.75	22.62	22.46	22.36	.....
21	22.88	23.98	23.30	23.28	23.37	23.61	23.06	22.83	22.61	22.46	22.37	22.92
22	22.87	24.01	23.33	23.27	23.39	23.57	23.04	22.85	22.61	22.45	22.38	22.95
23	22.87	24.02	23.38	23.27	23.41	23.55	23.02	22.85	22.60	22.45	22.37	22.98
24	22.86	23.99	23.39	23.26	23.43	23.53	22.99	22.84	22.59	22.45	22.36	23.01
25	22.85	23.94	23.40	23.25	23.46	23.51	22.98	22.82	22.59	22.45	22.36	23.03
26	22.85	23.90	23.41	23.23	23.48	23.49	22.96	22.79	22.57	22.45	22.46	23.04
27	22.84	23.85	23.44	23.22	23.50	23.47	22.94	22.77	22.57	22.45	22.55	23.04
28	22.83	23.80	23.46	23.22	23.53	23.44	22.92	22.75	22.56	22.45	22.57	23.04
29	22.85	.....	23.48	23.22	23.56	23.42	22.90	22.73	22.55	22.45	22.60	23.04
30	22.85	.....	23.49	23.22	23.59	h23.40	22.88	22.72	22.54	22.44	22.63	23.07
31	22.85	.....	23.49	.....	23.62	.....	22.87	22.72	.....	22.44	.....	23.09

h Tape measurement.

S202. New York Water Service Corp. Unused well at Spring St. pumping station, 450 feet south of Gains Ave., Huntington. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	40.96	Apr. 25	40.82	July 24	40.11	Oct. 25	39.56
Feb. 21	40.85	May 23	40.42	Aug. 31	39.77	Nov. 27	39.60
Mar. 28	40.96	June 26	40.26	Sept. 25	39.69	Dec. 21	39.50

S203. C. A. Gould. About 125 feet north of Wolf Hill Rd., about 1.4 miles west of Deer Park Ave., Dix Hills. Records available: 1936-50.

Jan. 30	73.94	Apr. 25	73.21	July 24	72.30	Oct. 25	71.48
Feb. 21	73.78	May 23	72.86	Aug. 31	71.98	Nov. 27	71.24
Mar. 28	73.63	June 26	72.58	Sept. 25	71.71	Dec. 20	71.12

S1803. New York City Department of Water Supply, Gas and Electricity. At north corner of Belmont Ave. and Farmingdale Rd., about 1.5 miles west of Babylon. Records available: 1912-14, 1932, 1936-50.

Feb. 1	15.81	Apr. 25	16.04	July 24	15.82	Oct. 25	15.78
21	16.88	May 23	16.23	Aug. 31	15.95	Nov. 27	16.06
Mar. 28	16.43	June 26	16.41	Sept. 25	15.72	Dec. 21	16.30

S1805. New York City Department of Water Supply, Gas and Electricity. At southwest corner of Albany Ave. and Farmingdale Rd., about 3 miles north of Amityville. Records available: 1912-14, 1932-50.

Jan. 30	39.82	Apr. 25	41.24	July 24	41.79	Oct. 25	40.11
Feb. 21	41.23	May 23	41.08	Aug. 31	41.11	Nov. 27	39.56
Mar. 28	41.28	June 26	42.26	Sept. 25	40.68	Dec. 21	39.43

S1806. New York City Department of Water Supply, Gas and Electricity. On northeast corner of Wellwood and Long Island Aves., Pinelawn. Records available: 1912-14, 1932-50.

Jan. 30	54.54	Apr. 25	55.00	July 24	55.24	Oct. 25	54.28
Feb. 21	54.44	May 23	54.89	Aug. 31	55.09	Nov. 27	54.15
Mar. 28	54.57	June 26	55.08	Sept. 25	55.09	Dec. 21	54.15

S1807. New York City Department of Water Supply, Gas and Electricity. On east side of Higbie Lane, 0.4 mile south of Hunter Ave. about 1.5 miles northeast of Babylon. Records available: 1912-14, 1932-33, 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	21.24	Apr. 25	21.48	July 24	21.38	Oct. 25	21.07
21	21.99	May 23	21.65	Aug. 31	21.38	Nov. 27	21.08
Mar. 28	21.70	June 26	21.76	Sept. 25	21.23	Dec. 21	21.24

S1808. New York City Department of Water Supply, Gas and Electricity. On east side of Sagtikos Manor Lane, about 4,250 feet south of Montauk Branch of Long Island Railroad, 2.5 miles east of Babylon. Records available: 1912-14, 1932-50.

Feb. 1	10.86	Apr. 25	10.81	July 24	10.29	Oct. 25	10.29
21	11.44	May 23	11.16	Aug. 31	10.95	Nov. 27	10.75
Mar. 28	11.23	June 26	10.75	Sept. 25	10.50	Dec. 21	10.97

S1809. New York City Department of Water Supply, Gas and Electricity. At northwest corner of Sagtikos Manor Lane Road, 0.1 mile south of Bayshore Rd., about 1.5 miles northwest of Bayshore. Records available: 1912-14, 1932-50.

Feb. 1	26.32	Apr. 25	27.69	July 24	28.03	Oct. 25	26.94
21	27.29	May 23	27.82	Aug. 31	27.91	Nov. 27	26.45
Mar. 28	27.62	June 26	28.53	Sept. 26	27.44	Dec. 21	26.52

S1810. U. S. Geol. Survey. On east side of Sagtikos Manor Lane Road, about 1,000 feet south of main line of Long Island Railroad, 1.5 miles southwest of Brentwood. Records available: 1912-14, 1932-50.

Feb. 1	48.76	Apr. 25	48.79	July 24	49.54	Oct. 25	48.59
21	48.59	May 23	48.75	Aug. 31	49.24	Nov. 27	48.10
Mar. 28	48.81	June 26	49.16	Sept. 26	48.98	Dec. 21	47.81

S1811. U. S. Geol. Survey. At north shore of Lake Ronkonkoma. Records available: 1937-50.

Jan. 30	53.09	May 24	53.16	Aug. 31	52.51	Nov. 27	52.36
Mar. 28	53.39	June 28	52.84	Sept. 26	52.24	Dec. 21	52.26
Apr. 25	53.13	July 24	52.60	Oct. 24	52.15		

S1812. U. S. Geol. Survey. On northeast side of Smithtown Blvd., about 100 feet northwest of Nichols Road, 1 mile west of Lake Ronkonkoma, Nesconset. Records available: 1937-50.

Jan. 30	45.56	Apr. 25	45.48	July 24	45.83	Oct. 24	44.87
Feb. 21	45.51	May 24	45.41	Aug. 31	45.57	Nov. 27	44.56
Mar. 28	45.49	June 28	45.65	Sept. 26	45.13	Dec. 21	44.41

S1813. U. S. Geol. Survey. On south side of Johnson Ave. about 1.5 miles west of Ocean Ave., Ronkonkoma. Records available: 1939-50.

Jan. 30	37.13	Apr. 25	37.18	July 24	37.32	Oct. 24	36.75
Feb. 21	37.54	May 24	37.17	Aug. 31	37.29	Nov. 27	36.50
Mar. 28	37.35	June 28	37.46	Sept. 26	36.97	Dec. 21	36.49

S1814. U. S. Geol. Survey. On northwest corner of Suffolk and Lowells Aves., Central Islip. Records available: 1939-50.

Jan. 30	35.30	Apr. 25	35.38	July 24	35.59	Oct. 24	34.97
Feb. 21	35.28	May 24	35.33	Aug. 31	36.17	Nov. 27	34.61
Mar. 28	35.53	June 26	35.62	Sept. 26	35.39	Dec. 21	34.58

S1815. U. S. Geol. Survey. On northwest corner of Suffolk and Eastern Ave., Brentwood. Records available: 1939-50.

Jan. 30	44.15	Apr. 25	43.50	July 24	43.72	Oct. 25	43.29
Feb. 21	43.79	May 24	43.38	Aug. 31	43.73	Nov. 27	42.94
Mar. 28	43.64	June 26	43.55	Sept. 26	43.52	Dec. 21	42.72

S1816. U. S. Geol. Survey. On northeast corner of Brentwood and Commack Rds., Deer Park. Records available: 1939-50.

Feb. 1	54.84	Apr. 25	55.33	July 24	56.09	Oct. 25	55.05
21	54.76	May 23	55.26	Aug. 31	55.90	Nov. 27	54.54
Mar. 28	55.47	June 26	55.93	Sept. 25	55.49	Dec. 21	54.20

S1817. U. S. Geol. Survey. Southeast corner of Long Island Ave. and 18th St., Wyandanch. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	50.06	Apr. 25	51.00	July 24	51.25	Oct. 25	50.25
Feb. 21	51.55	May 23	51.32	Aug. 31	51.14	Nov. 27	50.18
Mar. 28	51.53	June 26	51.74	Sept. 25	50.65	Dec. 21	50.33

S2314. Foundation Sand & Gravel Co. On west side of Burrs Lane about 1,500 feet north of Straight Path, Wyandanch. Records available: 1943-50.

Jan. 30	59.41	Apr. 25	59.25	July 24	59.10	Oct. 25	58.41
Feb. 21	59.45	May 23	59.11	Aug. 31	58.87	Nov. 27	58.02
Mar. 28	59.62	June 26	59.39	Sept. 25	58.58	Dec. 21	57.80

S2454. Long Island Railroad. On south side of railroad tracks, about 80 feet east of Deer Park Ave., Babylon. Records available: 1940-50.

Feb. 1	7.45	Apr. 25	7.20	July 24	7.04	Oct. 25	7.09
21	7.92	May 23	7.48	Aug. 31	7.52	Nov. 27	7.39
Mar. 28	7.57	June 26	7.31	Sept. 25	7.26	Dec. 21	7.51

S2455. U. S. Geol. Survey. About 4,000 feet southeast of intersection of Udalls Road and Hunter Ave., about 2 miles west of Bayshore. Records available: 1933-40 (as S-38), 1940-50.

Feb. 1	20.53	Apr. 25	21.63	July 24	21.67	Oct. 25	20.75
21	21.85	May 23	21.90	Aug. 31	21.59	Nov. 27	20.46
Mar. 28	21.79	June 29	22.27	Sept. 26	21.19	Dec. 21	20.84

S3112. New York City Department of Water Supply, Gas and Electricity. On northeast corner of Long Island Ave. and Little East Neck Road, Wyandanch. Records available: 1941-50.

Jan. 30	52.11	Apr. 25	53.08	July 24	53.69	Oct. 25	52.22
Feb. 21	52.41	May 23	53.03	Aug. 31	53.06	Nov. 27	51.96
Mar. 28	53.31	June 26	54.12	Sept. 25	52.63	Dec. 21	51.49

S3496. U. S. Geol. Survey. East side of Coates Ave. and about 100 feet north of Long Island Railroad, Holbrook. Records available: 1942-50.

Feb. 2	48.28	Apr. 26	47.05	July 24	46.80	Oct. 24	46.85
Mar. 1	47.82	May 24	46.83	Aug. 31	47.05	Nov. 27	46.61
29	47.43	June 28	46.75	Sept. 27	47.06	Dec. 28	46.34

S3497. U. S. Geol. Survey. Northeast corner of Waverly and Long Island Aves., Holtsville. Records available: 1942-50.

Feb. 2	47.71	Apr. 26	46.71	July 26	46.64	Oct. 24	46.48
Mar. 1	47.31	May 24	46.56	Aug. 30	46.82	Nov. 27	46.18
29	46.97	June 28	46.56	Sept. 27	46.63	Dec. 29	45.99

S3498. U. S. Geol. Survey. South side of Long Island Ave. about 1,000 feet west of State Highway 112, Medford. Records available: 1942-50.

Feb. 2	44.61	Apr. 26	44.42	July 26	44.72	Oct. 24	44.07
Mar. 1	44.37	May 24	44.59	Aug. 30	44.08	Nov. 27	43.69
29	44.37	June 28	44.55	Sept. 27	44.28	Dec. 29	43.36

S3512. State Division of Highways. On south side of Middle Country Rd. (State Highway 25), about 0.6 mile east of Lake Ave., Lake Grove. Records available: 1942-50.

Feb. 1	67.14	Apr. 26	66.35	July 26	66.47	Oct. 26	66.15
Mar. 1	66.75	May 24	66.20	Aug. 31	66.62	Nov. 30	65.78
29	66.50	June 28	66.33	Sept. 27	66.36	Dec. 21	65.58

S3513. State Department of Public Works. Middle County Rd. (State Highway 25), about 0.9 mile west of Selden. Recent instrumental leveling indicates water levels previously listed from Aug. 20, 1948 to Dec. 31, 1949 are low by 0.02 foot. Records available: 1942-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	62.25	61.87	61.70	61.57	61.60	61.58	61.70	61.80	61.61	61.37	61.09	60.74
2	62.24	61.88	61.68	61.59	61.60	61.56	61.70	61.79	61.60	61.36	61.08	60.73
3	62.25	61.85	61.63	61.58	61.59	61.57	61.71	61.79	61.59	61.36	61.07	60.73
4	62.23	61.84	61.63	61.58	61.59	61.58	61.72	61.79	61.59	61.35	61.06	60.73
5	62.20	61.83	61.66	61.59	61.60	61.57	61.72	61.79	61.57	61.32	61.04	60.69
6	62.21	61.84	61.67	61.57	61.59	61.56	61.73	61.78	61.56	61.31	61.01	60.67
7	62.19	61.83	61.63	61.56	61.60	61.55	61.73	61.77	61.55	61.31	61.00	60.67
8	62.15	61.79	61.67	61.57	61.58	61.54	61.72	61.77	61.55	61.31	61.00	60.67
9	62.16	61.81	61.68	61.56	61.58	61.55	61.73	61.77	61.54	61.31	60.99	60.66
10	62.16	61.78	61.62	61.55	61.59	61.57	61.73	61.77	61.52	61.31	60.98	60.64

S3513--Continued.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	62.14	61.76	61.63	61.59	61.59	61.58	61.74	61.77	61.53	61.30	60.96	60.64
12	62.11	61.75	61.65	61.60	61.58	61.57	61.75	61.76	61.51	61.30	60.95	60.62
13	62.12	61.74	61.66	61.60	61.59	61.56	61.76	61.75	61.50	61.28	60.94	60.60
14	62.12	61.73	61.64	61.60	61.61	61.57	61.76	61.74	61.50	61.26	60.92	60.59
15	62.09	61.74	61.62	61.57	61.61	61.58	61.74	61.74	61.50	61.24	60.92	60.59
16	62.08	61.72	61.62	61.57	61.60	61.59	61.74	61.74	61.48	61.23	60.92	60.58
17	62.05	61.70	61.62	61.57	61.59	61.62	61.76	61.73	61.46	61.23	60.91	60.56
18	62.07	61.69	61.64	61.58	61.60	61.62	61.77	61.73	61.46	61.23	60.89	60.56
19	62.03	61.71	61.60	61.58	61.60	61.63	61.77	61.72	61.46	61.22	60.88	60.54
20	62.01	61.69	61.60	61.60	61.59	61.64	61.77	61.73	61.44	61.22	60.89	60.54
21	62.00	61.68	61.63	61.60	61.59	61.65	61.77	61.70	61.44	61.19	60.87	60.53
22	62.01	61.68	61.61	61.58	61.59	61.65	61.77	61.68	61.44	61.18	60.84	e60.52
23	61.99	61.70	61.67	61.60	61.59	61.64	61.77	61.67	61.43	61.17	60.82	e60.52
24	61.98	61.66	61.66	61.60	61.59	61.65	61.78	61.66	61.41	61.16	60.81	60.50
25	61.94	61.65	61.62	61.60	61.58	61.67	61.79	61.65	61.40	61.15	60.93	60.47
26	61.96	61.65	61.59	61.60	61.57	61.67	61.80	61.64	61.39	61.13	60.82	60.46
27	61.95	61.65	61.61	e61.60	61.58	61.68	61.80	61.63	61.38	61.12	60.78	60.45
28	61.92	61.65	61.65	e61.59	61.57	61.69	61.81	61.63	61.37	61.11	60.78	60.44
29	61.95		61.62	61.59	61.57	61.69	61.81	61.63	61.37	61.11	60.77	60.44
30	61.91		61.58	61.58	61.58	61.70	61.80	61.62	61.37	61.10	60.76	60.43
31	61.90		61.57		61.58		61.79	61.61		61.09		60.42

e Estimated.

S3514. Herman Jurgens. On south side of Jericho Turnpike (State Highway 25), about 0.5 mile east of Lakefield Ave., Commack. Records available: 1942-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	67.62	67.28	67.15	66.75	66.48	66.15	65.82	65.50	65.26	65.05	64.77	64.60
2	67.62	67.43	66.99	66.76	66.43	66.09	65.78	65.46	65.22	65.01	64.77	64.61
3	67.68	67.25	66.93	66.73	66.42	66.17	.....	65.47	65.22	65.07	64.72	64.69
4	67.60	67.29	66.94	66.74	66.44	66.15	.....	65.47	65.23	65.02	64.81	64.74
5	67.53	67.24	67.11	66.73	66.38	66.06	.....	65.46	65.16	64.92	64.76	64.53
6	67.66	67.37	66.97	66.66	66.45	66.04	65.72	65.42	65.17	64.93	64.65	64.53
7	67.56	67.22	66.94	66.69	66.37	66.03	65.67	65.41	65.21	64.92	64.71	64.64
8	67.45	67.18	67.14	66.71	66.31	66.05	65.66	65.42	65.19	64.98	64.76	64.69
9	67.61	67.37	66.91	66.62	66.36	66.07	65.66	65.40	65.18	64.98	64.77	64.64
10	67.61	67.21	66.88	66.66	66.47	66.11	65.67	65.40	65.17	64.98	64.72	64.64
11	67.43	67.21	66.98	66.75	66.32	66.03	65.68	65.38	65.20	64.93	64.68	64.70
12	67.45	67.18	66.99	66.66	66.35	65.96	67.69	65.35	65.11	64.98	64.70	64.60
13	67.60	67.17	67.03	66.65	66.38	66.00	65.70	65.35	65.14	64.88	64.71	64.55
14	67.53	67.22	66.85	66.62	66.26	66.02	65.60	65.34	65.18	64.85	64.68	64.57
15	67.43	67.31	66.93	66.57	66.34	65.97	65.58	65.33	65.18	64.85	64.71	64.62
16	67.49	67.19	66.92	66.54	66.28	66.03	65.63	65.32	65.10	64.85	64.78	64.59
17	67.43	67.15	66.92	66.61	66.25	66.01	65.67	65.31	65.06	64.90	64.75	64.55
18	67.58	67.13	66.90	66.56	66.26	65.94	65.65	65.31	65.09	64.92	64.69	64.60
19	67.37	67.23	66.77	66.55	66.27	65.98	65.58	65.32	65.16	64.94	64.65	64.53
20	67.36	.....	66.85	66.63	66.24	65.93	65.61	65.33	65.10	64.92	64.78	64.53
21	67.44	.....	66.92	.....	66.23	65.95	65.57	65.26	65.13	64.87	64.72	64.53
22	67.50	.....	66.89	.....	66.18	65.88	65.55	65.25	65.18	64.89	64.61	64.60
23	67.42	67.14	67.03	.....	66.24	65.93	65.54	65.25	65.13	64.88	64.63	64.59
24	67.36	67.10	66.79	.....	66.24	65.94	65.59	65.25	65.02	64.85	64.64	64.65
25	67.35	67.04	66.77	.....	66.19	65.91	65.61	65.26	65.03	64.90	64.80	64.52
26	67.42	67.10	66.75	66.50	66.18	65.88	65.56	65.25	65.03	64.81	.....	34.53
27	67.28	67.04	66.87	66.45	66.19	65.90	65.55	65.25	65.04	64.80	.....	64.43
28	67.35	67.05	66.86	66.47	66.17	65.83	65.56	65.25	65.06	64.82	.....	64.50
29	67.48		66.76	66.43	66.18	65.85	65.54	65.28	65.06	64.83	.....	64.61
30	67.29		66.69	66.45	66.16	65.84	65.51	65.23	65.07	64.83	64.62	64.53
31	67.36		66.74		66.14		65.49	65.24		64.77		64.53

S3515. New York City Board of Water Supply test well 57. West side of East Third Ave., about 0.35 mile north of Brook St., Bayshore. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	31.84	Apr. 25	31.89	July 24	32.01	Oct. 25	31.07
21	31.51	May 23	31.90	Aug. 31	31.77	Nov. 27	30.71
Mar. 28	31.88	June 26	32.39	Sept. 26	31.43	Dec. 21	30.68

S3516. New York City Board of Water Supply test well 58. On east side of East Third Ave., about 105 feet south of Walbridge Ave., Bayshore. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	35.70	Apr. 25	36.54	July 24	36.93	Oct. 25	35.91
21	35.58	May 23	36.54	Aug. 31	36.64	Nov. 27	35.46
Mar. 28	36.61	June 26	37.09	Sept. 26	36.32	Dec. 21	35.29

S3517. New York City Board of Water Supply test well 60. On southwest corner of Lakeland Ave. and Tarriff St., Sayville. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	12.32	Apr. 26	12.68	July 24	12.45	Oct. 24	12.15
Mar. 1	12.62	May 24	12.47	Aug. 31	12.23	Nov. 27	11.81
29	12.54	June 28	12.65	Sept. 27	12.00	Dec. 29	12.25

S3518. New York City Board of Water Supply test well 79. East side of Islip Ave., about 190 feet north of Locust St., Central Islip. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	30.13	Apr. 25	31.03	July 24	31.07	Oct. 24	29.98
Feb. 21	30.68	May 24	30.95	Aug. 31	30.66	Nov. 27	29.72
Mar. 28	31.03	June 26	31.54	Sept. 26	30.35	Dec. 21	29.75

S3519. New York City Board of Water Supply test well 93. On east side of Carleton Ave., about 2.25 miles south of main line of Long Island Railroad, Central Islip. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	24.44	Apr. 25	25.23	July 24	25.06	Oct. 24	24.28
Feb. 21	25.43	May 24	25.33	Aug. 31	24.87	Nov. 27	24.16
Mar. 28	25.47	June 26	25.49	Sept. 26	24.57	Dec. 21	24.51

S3521. New York City Board of Water Supply test well 162. On east side of Medford Ave., 0.9 mile south of Long Island Ave., Medford. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	36.50	Apr. 26	37.02	July 26	37.13	Oct. 24	36.37
Mar. 1	36.71	May 24	36.97	Aug. 30	36.85	Nov. 27	36.08
29	36.92	June 28	37.10	Sept. 27	36.61	Dec. 29	35.95

S3522. New York City Board of Water Supply test well 166. East side of Waverly Ave., 1 mile north of Main St., Patchogue. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	19.24	Apr. 26	19.67	July 26	19.51	Oct. 24	19.19
Mar. 1	19.74	May 24	19.55	Aug. 30	19.37	Nov. 27	19.25
29	19.69	June 28	19.73	Sept. 27	19.25	Dec. 29	19.25

S3524. New York City Board of Water Supply test well 215. South side of Park Road, about 0.3 mile east of Yaphank Ave., and about 0.1 mile south of main line of Long Island Railroad, Yaphank. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	21.85	Mar. 29	22.33	July 27	22.20	Oct. 27	21.61
27	21.80	Apr. 24	22.38	Sept. 7	21.88	Nov. 30	21.52
Feb. 14	21.80	May 26	22.13	Oct. 11	21.68	Dec. 30	21.51
27	22.29	June 28	22.47				

S3526. New York City Board of Water Supply test well 218. South side of Long Island Ave., about 100 feet east of South Haven Rd., 1.6 miles east of Yaphank. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	27.26	Mar. 29	26.42	July 27	26.58	Oct. 27	26.49
26	27.04	Apr. 24	26.25	Sept. 7	26.79	Nov. 24	26.04
Feb. 10	26.83	May 25	26.18	Oct. 9	26.61	Dec. 28	26.13
27	26.64	June 28	26.37				

S3527. New York City Board of Water Supply test well 222. South side of Horseblock Road, 1.6 miles west of Yaphank Ave., about 1.7 miles southeast of Plainfield. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	32.30	Mar. 29	31.44	July 27	32.31	Oct. 27	31.87
27	32.04	Apr. 24	31.43	Sept. 7	32.33	Nov. 30	31.50
Feb. 14	31.86	May 26	31.58	Oct. 11	32.07	Dec. 30	31.19
27	31.63	June 28	31.89				

S3529. New York City Board of Water Supply test well 238. North side of Horseblock Rd., about 0.7 mile west of Yaphank Ave., and about 1.3 miles northwest of Brookhaven Railroad Station, Brookhaven. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	25.10	Mar. 29	25.70	July 27	25.74	Oct. 27	24.72
27	24.95	Apr. 24	25.48	Sept. 7	25.29	Nov. 30	24.44
Feb. 14	25.13	May 26	25.56	Oct. 11	24.90	Dec. 30	24.75
27	25.72	June 28	25.98				

S3530. New York City Board of Water Supply test well 240. Northeast corner of trail intersection about 0.9 mile west of Yaphank Ave., about 300 feet south of main line of Long Island Railroad, Yaphank. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	32.40	Mar. 29	32.44	July 27	32.60	Nov. 2	31.83
27	32.23	Apr. 24	32.59	Sept. 7	32.32	30	31.61
Feb. 14	32.10	May 26	32.29	Oct. 11	32.05	Dec. 30	31.43
27	32.39	June 28	32.75				

S3531. New York City Board of Water Supply test well 254. East side of River Road, about 0.5 mile north of Montauk Highway (State Highway 27), about 0.3 mile east of Carmans River, South Haven. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	9.64	Mar. 29	9.76	July 27	9.66	Oct. 27	9.62
27	9.57	Apr. 24	9.56	Sept. 7	9.61	Nov. 24	9.49
Feb. 14	9.60	May 26	9.55	Oct. 11	9.59	Dec. 30	9.53
27	9.86	June 28	9.70				

S3532. New York City Board of Water Supply test well 265. At southeast corner of Whiskey and Randall Rds., about 1.4 miles north of intersection of Randall Rd. and Middle Country Rd. (State Highway 25), Ridge. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	47.45	Mar. 30	46.59	July 28	47.22	Dec. 1	46.00
26	47.23	Apr. 25	46.67	Sept. 7	46.93	28	45.66
Feb. 10	46.98	May 25	46.78	Oct. 11	46.64	30	45.63
28	46.71	June 29	46.97	26	46.44		

S3533. New York City Board of Water Supply test well 272. East side of dirt road, about 0.8 mile east of Yaphank-Middle Island Rd. and about 1.1 miles south of Middle Country Rd. (State Highway 25), Middle Island. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	46.32	Mar. 30	46.17	July 28	46.34	Oct. 27	45.50
26	46.16	Apr. 24	46.28	Sept. 7	46.03	Dec. 1	45.18
Feb. 10	45.97	May 26	46.27	Oct. 11	45.70	30	44.99
27	46.05	June 29	46.42				

S3534. New York City Board of Water Supply test well 276. Northeast side of trail about 1.8 miles east of intersection of Long Island Ave. and South Haven Rd., about 3.4 miles east of Yaphank. Dry after January 26. Records available: 1907-9, 1942-50. Jan. 26, 28.63.

S3535. New York City Board of Water Supply test well 284. South side of Chichester Ave., about 1,000 feet southeast of Brookfield Ave., Center Moriches. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	18.80	Mar. 29	18.22	July 27	18.82	Oct. 27	18.28
26	18.60	Apr. 24	18.21	Sept. 7	18.69	Nov. 24	18.04
Feb. 10	18.44	May 25	18.29	Oct. 9	18.45	Dec. 28	17.82
27	18.27	June 28	18.49				

S3536. New York City Board of Water Supply test well 289. Southwest side of Manor Branch of Long Island Railroad, about 2.7 miles northwest of Eastport railroad station, about 2.3 miles northeast of Center Moriches. Records available: 1907-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	24.68	Apr. 27	23.67	July 26	23.70	Oct. 31	23.59
Feb. 28	24.25	May 25	23.52	Aug. 30	23.93	Nov. 28	23.42
Mar. 27	23.95	June 27	23.50	Sept. 28	23.84	Dec. 26	23.19

S3537. New York City Board of Water Supply test well 331. West side of trail, about 1,000 feet north of Old Country Rd., about 1 mile west of Speonk Riverhead Rd., about 1.1 miles northwest of Speonk. Records available: 1908-9, 1942-43, 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	14.74	Apr. 27	14.93	July 26	15.22	Oct. 31	14.45
Feb. 28	14.92	May 25	15.03	Aug. 30	14.90	Nov. 28	14.34
Mar. 27	14.97	June 27	15.26	Sept. 28	14.67	Dec. 26	14.18

S3538. New York City Board of Water Supply test well 339. Northwest side of Fox Trail about 1.7 miles south of intersection of Old Riverhead Rd. and Riverhead-Quogue Rd. (State Highway 113) about 0.6 mile west of Oakville. Records available: 1908-9, 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	15.59	Apr. 27	15.22	July 25	15.08	Oct. 31	14.62
Feb. 28	15.65	May 25	15.08	Aug. 30	14.98	Nov. 28	14.45
Mar. 27	15.34	June 27	15.16	Sept. 28	14.82	Dec. 26	14.31

S3539. New York City Board of Water Supply test well 403. On west side of trail, about 0.4 mile west of Speonk-Riverhead Rd., about 1.8 miles north of Old Country Rd. Records available: 1907-9, 1942-43, 1947-50.

S3539--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	23.72	Apr. 27	22.79	July 26	22.79	Oct. 31	22.38
Feb. 28	23.35	May 25	22.64	Aug. 30	22.82	Nov. 28	22.14
Mar. 27	23.08	June 27	22.60	Sept. 28	22.62	Dec. 26	21.99

S3540. New York City Board of Water Supply test well 404. On west side of trail, about 0.4 mile west of Speonk-Riverhead Rd., 1 mile north of Old Country Rd. Records available: 1907-9, 1942-43, 1947-50.

Jan. 31	19.86	Apr. 27	19.41	July 26	19.71	Oct. 31	19.14
Feb. 28	19.67	May 25	19.40	Aug. 30	19.68	Nov. 28	18.88
Mar. 27	19.53	June 27	19.53	Sept. 28	19.45	Dec. 26	18.65

S3541. New York City Board of Water Supply test well 410. About 200 feet west of trail, about 0.2 mile north of Old Country Rd., about 1.3 miles northeast of Speonk. Records available: 1907-9, 1942-43, 1947-50.

Jan. 31	11.29	Apr. 27	11.65	July 26	12.11	Oct. 31	11.26
Feb. 28	11.48	May 25	11.78	Aug. 30	11.82	Nov. 28	11.05
Mar. 27	11.54	June 27	12.08	Sept. 28	11.56	Dec. 26	10.89

S3542. New York City Board of Water Supply test well 413. On west side of trail, about 1.5 miles north of Old Country Rd. Records available: 1907-9, 1942-43, 1947-50.

Jan. 31	19.73	Mar. 27	19.01	Aug. 30	19.41	Oct. 31	18.88
Feb. 28	19.29	July 26	19.20	Sept. 28	19.13	Nov. 28	18.73

S3543. New York City Board of Water Supply test well 418. West side of Bishops Lane, about 0.9 mile north of Montauk Division of Long Island Railroad at Station, Westhampton. Records available: 1907-9, 1942-43, 1947-50.

Jan. 30	16.57	Apr. 27	16.11	July 25	16.43	Oct. 30	15.97
Feb. 24	16.36	May 25	16.10	Aug. 30	16.41	Nov. 28	15.73
Mar. 27	16.22	June 27	16.24	Sept. 28	16.20	Dec. 26	15.52

S3544. New York City Board of Water Supply test well 421. About 200 feet north of Montauk Division of Long Island Railroad, 0.7 mile east of Old Riverhead Rd., Westhampton. Records available: 1907-9, 1942-43, 1948-50.

Jan. 31	10.65	Apr. 27	11.12	July 25	11.33	Oct. 31	10.46
Feb. 28	10.95	May 25	11.16	Aug. 30	11.01	Nov. 28	10.30
Mar. 27	11.06	June 27	11.36	Sept. 28	10.72	Dec. 26	10.20

S3545. New York City Board of Water Supply test well 130. On east side of Lincoln Ave., about 0.6 mile north of Church St. Records available: 1907-9, 1942-50.

Feb. 2	34.61	Apr. 26	35.05	July 24	35.15	Oct. 24	34.28
Mar. 1	34.72	May 24	35.02	Aug. 31	34.89	Nov. 27	33.95
29	34.99	June 28	35.08	Sept. 27	34.60	Dec. 29	33.60

S3727. New York City Board of Water Supply test well 129, North Sayville. North side of Church St., 0.1 mile east of Lincoln Ave. Records available: 1943-50.

Feb. 2	29.86	Apr. 26	30.72	July 24	30.61	Oct. 24	29.68
Mar. 1	30.37	May 24	30.59	Aug. 31	30.32	Nov. 27	29.37
29	30.66	June 28	30.76	Sept. 27	29.99	Dec. 29	29.37

S3728. New York City Board of Water Supply test well 186. About 0.2 mile east of Taylor Ave., and 0.2 mile north of Montauk Highway, Hagerman. Records available: 1943-50.

Feb. 2	19.53	Apr. 27	20.68	July 26	21.27	Oct. 24	20.37
Mar. 2	19.86	May 24	20.64	Aug. 30	20.90	Nov. 27	20.08
30	20.36	June 29	21.31	Sept. 27	20.52	Dec. 29	20.07

S3729. New York City Board of Water Supply test well 204. Barton and Dunston Aves., North Hagerman. Records available: 1943-50.

Feb. 2	28.56	Apr. 27	28.36	July 26	28.65	Oct. 24	28.26
Mar. 2	28.13	May 24	28.37	Aug. 30	28.69	Nov. 27	27.97
30	28.23	June 28	28.43	Sept. 27	28.75	Dec. 29	28.01

S3730. New York City Board of Water Supply test well 207. Dunston Ave. and South Haven Rd., South Plainfield. Records available: 1943-50.

Feb. 2	34.39	Apr. 27	34.18	July 26	34.81	Oct. 24	34.24
Mar. 2	34.03	May 24	34.40	Aug. 30	34.77	Nov. 27	33.85
30	34.01	June 28	34.49	Sept. 27	34.50	Dec. 29	33.49

S3731. New York City Board of Water Supply test well 244. About 30 feet east of Taylor Ave., 0.5 mile north of Montauk Highway, Hagerman. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	22.54	Apr. 27	23.60	July 26	24.20	Oct. 24	23.10
Mar. 2	22.60	May 24	23.57	Aug. 30	23.82	Nov. 27	22.64
30	23.20	June 29	24.18	Sept. 27	23.45	Dec. 29	22.29

S3732. New York City Board of Water Supply test well 259. Mount Sinai Rd., 2.6 miles north of Route 25, Coram. Records available: 1943-50.

Feb. 1	53.50	Apr. 26	52.82	July 27	52.20	Oct. 26	51.85
24	53.24	May 24	52.57	Aug. 31	52.07	Nov. 30	51.62
Mar. 30	53.07	June 28	52.33	Sept. 28	51.98		

S3735. New York City Board of Water Supply well 1214. Old Town Rd., about 0.6 mile east of Dare Rd., Selden. Records available: 1943-50.

Feb. 1	65.26	Apr. 26	64.51	July 26	64.58	Oct. 26	64.35
Mar. 1	65.36	May 24	64.68	Aug. 31	64.74	Nov. 30	64.13
30	64.76	June 28	64.63	Sept. 28	64.54		

S3736. U. S. Geol. Survey. Northwest corner of Schmidt St. and Lincoln Ave., about 0.7 mile south of Holbrook. Records available: 1943-50.

Feb. 2	44.23	Apr. 26	42.98	July 24	42.97	Oct. 24	42.59
Mar. 1	43.40	May 24	42.87	Aug. 31	42.83	Nov. 27	42.24
29	43.14	June 28	42.51	Sept. 27	43.03	Dec. 29	42.28

S3737. U. S. Geol. Survey. East side of Holbrook Rd., about 0.6 mile south of Middle Country Rd. (State Highway 25), 0.8 mile southwest of New Village. Records available: 1943-50.

Feb. 1	56.99	Apr. 26	56.18	July 26	55.77	Oct. 26	55.32
Mar. 1	56.69	May 24	56.00	Aug. 31	55.67	Nov. 30	55.01
29	56.39	June 28	55.75	Sept. 28	55.50	Dec. 29	54.70

S3738. U. S. Geol. Survey. West side of Oxhead Road, about 0.9 mile north of Middle Country Rd. (State Highway 25), 1.3 miles northwest of New Village. Records available: 1943-49. No measurement made in 1950.

S3739. U. S. Geol. Survey. West side of Lincoln Ave., about 0.4 mile south of Church St., 1.5 miles north of Sayville. Records available: 1943-50.

Feb. 2	26.33	Apr. 26	27.44	Aug. 31	27.00	Nov. 27	26.54
Mar. 1	26.97	June 28	28.08	Sept. 27	26.68	Dec. 29	26.33
29	27.29	July 24	27.31	Oct. 24	26.76		

S3760. W. L. Miller. About 200 feet north of Port Jefferson-Riverhead Rd. (State Highway 25A), 600 feet west of Manorville-Wading River Rd. (North Country Road), Wading River. Records available: 1943-49. No measurement made in 1950.

S3868. U. S. Geol. Survey. South side of Upper Sheep Pasture Rd., 0.4 mile east of Pond Rd., Setauket Station. Records available: 1944-50.

Feb. 1	39.05	Apr. 26	38.44	July 26	37.65	Oct. 26	36.97
Mar. 1	39.21	May 24	38.23	Aug. 31	37.46	Nov. 30	36.82
30	38.44	June 28	37.79	Sept. 28	37.22	Dec. 21	36.72

S3869. U. S. Geol. Survey. East side of Mt. Sinai Rd., about 1.3 miles north of Middle Country Rd. (State Highway 25), North Coram. Records available: 1944-50.

Feb. 1	54.87	Apr. 26	54.62	July 27	54.59	Oct. 26	53.88
24	54.68	May 24	54.55	Aug. 31	54.39	Nov. 30	53.49
Mar. 30	54.52	June 28	54.59	Sept. 28	54.15	Dec. 29	54.19

S3870. U. S. Geol. Survey. West side of Mill Pond, about 0.7 mile south of Middle Country Rd. (State Highway 25), South Coram. Records available: 1944-50.

Feb. 1	55.04	Apr. 26	54.61	July 27	54.30	Oct. 26	53.61
24	54.77	May 24	54.46	Aug. 31	54.10	Nov. 30	53.29
Mar. 30	54.63	June 28	54.37	Sept. 28	53.85	Dec. 29	53.29

S3871. U. S. Geol. Survey. South side of Fire Rd. about 0.6 mile west of Bellport Rd., North Plainfield. Records available: 1944-50.

Jan. 13	48.47	Mar. 29	47.38	July 27	46.65	Oct. 26	46.58
27	48.24	Apr. 24	47.07	Sept. 7	46.71	Nov. 30	46.43
Feb. 14	47.97	May 26	47.10	Oct. 11	46.65	Dec. 30	46.25
27	47.76	June 28	46.64				

S3955. U. S. Geol. Survey. East side of Pond Rd., about 200 feet north of intersection with Horseblock Rd., South Setauket Station. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	54.63	Apr. 26	53.53	July 26	52.52	Oct. 26	52.45
Mar. 1	54.29	May 24	53.16	Aug. 31	52.52	Nov. 30	52.28
30	53.89	June 28	52.77	Sept. 28	52.50	Dec. 21	52.13

S3956. U. S. Geol. Survey. Southeast corner of Millers Place and Yaphank Road, South Millers Place. Records available: 1944-50.

Feb. 1	32.64	Apr. 26	31.81	July 27	31.14	Oct. 26	30.87
24	32.41	May 24	31.54	Aug. 31	31.00	Nov. 30	30.78
Mar. 30	32.10	June 28	31.28	Sept. 28	30.93	Dec. 29	30.67

S4134. Riverhead Water District. Northeast corner of old fair grounds, Riverhead. Records available: 1945-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.03	12.00	12.43	12.35	12.36	12.31	11.90	11.72	11.62	11.46	11.43	11.54
2	12.06	12.03	12.45	12.41	12.36	12.31	11.85	11.76	11.63	11.44	11.43	11.51
3	12.09	12.04	12.39	12.41	12.33	12.31	11.87	11.81	11.63	11.44	11.41	11.53
4	12.10	11.98	12.34	12.39	12.31	12.35	11.92	11.89	11.64	11.45	11.41	11.59
5	12.06	11.96	12.39	12.39	12.29	12.35	11.96	11.89	11.60	11.43	11.49	11.60
6	12.04	12.03	12.43	12.37	12.30	12.31	11.98	11.88	11.55	11.41	11.42	11.53
7	12.04	12.07	12.36	12.33	12.32	12.27	11.97	11.87	11.52	11.41	11.38	11.56
8	11.97	12.01	12.38	12.34	12.27	12.26	11.91	11.86	11.51	11.42	11.39	11.65
9	11.99	12.07	12.41	12.36	12.22	12.25	11.84	11.85	11.49	11.45	11.41	11.70
10	12.04	12.12	12.32	12.37	12.24	12.26	11.83	11.84	11.48	11.52	11.41	11.70
11	12.06	12.10	12.30	12.37	12.25	12.29	11.86	11.84	11.51	11.56	11.38	11.74
12	11.96	12.08	12.35	12.39	12.21	12.27	11.89	11.80	11.55	11.58	11.38	11.73
13	12.00	12.08	12.38	12.37	12.22	12.23	11.89	11.78	11.54	11.58	11.38	11.66
14	12.04	12.10	12.38	12.38	12.21	12.23	11.88	11.77	11.58	11.50	11.36	11.62
15	11.96	12.21	12.34	12.35	12.20	12.24	11.79	11.73	11.61	11.48	11.35	11.63
16	12.02	12.25	12.33	12.32	12.21	12.25	11.80	11.69	11.59	11.45	11.37	11.69
17	11.95	12.25	12.33	12.33	12.20	12.28	11.91	11.66	11.53	11.45	11.41	11.68
18	11.95	12.22	12.35	12.32	12.17	12.25	11.93	11.66	11.52	11.46	11.41	11.68
19	11.99	12.26	12.26	12.30	12.18	12.26	11.90	11.66	11.53	11.47	11.37	11.68
20	11.95	12.31	12.24	12.32	12.22	.....	11.90	11.68	11.54	11.49	11.39	11.63
21	11.91	12.30	12.31	12.35	12.23	.....	11.92	11.72	11.54	11.46	11.45	11.63
22	11.97	12.38	12.36	12.31	12.21	.....	11.90	11.69	11.55	11.45	11.38	11.64
23	12.02	12.48	12.47	12.30	12.19	.....	11.87	11.67	11.58	11.46	11.33	11.67
24	12.00	12.44	12.48	12.32	12.24	.....	11.88	11.67	11.53	11.45	11.36	11.69
25	12.00	12.42	12.37	12.29	12.28	.....	11.89	11.67	11.49	11.45	11.45	11.69
26	12.00	12.41	12.33	12.30	12.28	12.09	11.88	11.66	11.48	11.42	11.59	11.64
27	11.99	12.41	12.38	12.29	12.28	12.04	11.86	11.64	11.44	11.39	11.56	11.60
28	11.94	12.37	12.46	12.29	12.28	12.00	11.83	11.65	11.45	11.39	11.57	11.56
29	12.02		12.43	12.29	12.28	11.93	11.79	11.62	11.46	11.41	11.59	11.59
30	12.03		12.37	12.30	12.31	11.91	11.78	11.61	11.46	11.43	11.58	11.62
31	12.00		12.34		12.31		11.76	11.61		11.43		11.66

S4268. County of Suffolk, Superintendent of Highways. West side of Town Line, about 1,300 feet south of Kings Park-East Northport Rd., West Kings Park. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	49.42	Apr. 26	49.14	July 26	48.22	Oct. 25	47.55
Mar. 1	49.73	May 25	48.84	Aug. 31	47.97	Nov. 30	47.23
29	49.41	June 28	48.48	Sept. 27	47.75	Dec. 21	47.06

S4269. County of Suffolk, Superintendent of Highways. North side of Reeves Ave., 2,000 feet west of Roanoke Ave., North Riverhead. Records available: 1945-50.

Jan. 31	14.04	Apr. 27	13.38	July 25	12.98	Oct. 31	12.69
Feb. 28	13.80	May 25	13.25	Aug. 30	12.85	Nov. 29	12.70
Mar. 27	13.56	June 27	13.20	Oct. 5	12.74	Dec. 28	12.72

S4270. County of Suffolk, Superintendent of Highways. Crooked Hill Rd., about 0.8 mile northwest of intersection with Wicks Rd., Brentwood Park. Records available: 1945-50.

Feb. 1	52.42	Apr. 25	51.49	July 24	51.16	Oct. 25	51.02
21	52.12	May 23	51.28	Aug. 31	51.37	Nov. 27	50.76
Mar. 28	52.77	June 26	51.29	Sept. 26	51.22	Dec. 21	50.49

S4271. County of Suffolk, Superintendent of Highways. About 500 feet south of Sound Ave., and 0.8 mile west of Roanoke Ave., Baiting Hollow. Records available: 1945-50.

Daily mean water level, above mean sea level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.45	10.19	10.07	9.84	9.66	9.58	9.40	9.18	9.16	9.22	9.21	9.24
2	10.44	10.16	10.07	9.83	9.65	9.58	9.39	9.17	9.17	9.22	9.21	9.25
3	10.43	10.18	10.06	9.83	9.65	9.58	9.37	9.18	9.18	9.21	9.22	9.25
4	10.42	10.18	10.05	9.82	9.64	9.58	9.37	9.19	9.19	9.20	9.22	9.26
5	10.40	10.18	10.04	9.80	9.63	9.57	9.36	9.19	9.19	9.19	9.22	9.26
6	10.39	10.18	10.02	9.79	9.63	9.57	9.34	9.20	9.19	9.19	9.23	9.27
7	10.38	10.16	10.02	9.80	9.63	9.56	9.34	9.20	9.19	9.19	9.23	9.28
8	10.38	10.16	10.02	9.80	9.63	9.56	9.33	9.20	9.17	9.19	9.23	9.28
9	10.37	10.16	10.01	9.79	9.63	9.56	9.33	9.21	9.13	9.18	9.23	9.28
10	10.36	10.14	10.00	9.79	9.63	9.56	9.32	9.21	9.12	9.17	9.23	9.29
11	10.35	10.14	9.99	9.78	9.62	9.55	9.31	9.22	9.12	9.18	9.23	9.29
12	10.35	10.13	9.98	9.78	9.62	9.55	9.31	9.22	9.12	9.19	9.24	9.29
13	10.33	10.13	9.97	9.78	9.62	9.55	9.31	9.22	9.13	9.20	9.24	9.30
14	10.33	10.12	9.95	9.77	9.62	9.55	9.29	9.22	9.14	9.20	9.24	9.31
15	10.32	10.13	9.95	9.77	9.62	9.55	9.28	9.20	9.15	9.20	9.24	9.31
16	10.31	10.12	9.94	9.76	9.61	9.55	9.27	9.16	9.17	9.21	9.24	9.31
17	10.31	10.11	9.94	9.75	9.61	9.54	9.27	9.15	9.18	9.21	9.24	9.32
18	10.31	10.11	9.93	9.75	9.61	9.53	9.27	9.14	9.18	9.21	9.23	9.33
19	10.29	10.12	9.92	9.74	9.60	9.52	9.27	9.14	9.19	9.21	9.23	9.33
20	10.28	10.11	9.91	9.73	9.60	9.52	9.28	9.14	9.19	9.20	9.24	9.33
21	10.27	10.11	9.90	9.72	9.60	9.51	9.28	9.14	9.20	9.20	9.24	9.34
22	10.27	10.11	9.90	9.72	9.61	9.51	9.28	9.14	9.21	9.21	9.24	9.35
23	10.26	10.10	9.90	9.72	9.61	9.51	9.28	9.15	9.21	9.21	9.23	9.35
24	10.25	10.10	9.89	9.71	9.60	9.51	9.28	9.15	9.22	9.21	9.23	9.35
25	10.24	10.09	9.88	9.70	9.60	9.50	9.27	9.16	9.23	9.22	9.22	9.35
26	10.24	10.09	9.87	9.69	9.59	9.50	9.27	9.16	9.23	9.22	9.19	9.34
27	10.22	10.08	9.87	9.69	9.59	9.49	9.27	9.17	9.23	9.21	9.19	9.34
28	10.22	10.07	9.87	9.68	9.59	9.47	9.24	9.17	9.23	9.21	9.21	9.34
29	10.22		9.85	9.68	9.59	9.46	9.22	9.15	9.22	9.21	9.22	9.33
30	10.21		9.84	9.67	9.59	9.42	9.20	9.14	9.22	9.21	9.23	9.33
31	10.20		9.84		9.59		9.19	9.15		9.21		9.32

S4367. M. E. Geotzinger. 200 feet north of Florida Ave., 1 mile east of Babylon. Records available: 1945-50. Feb. 1, 56.53; Mar. 1, 56.10; Mar. 29, 55.76; May 25, 54.90.

S4377. Jacob Zimmerman. About 1.2 miles north of Middle Country Rd. on Moriches Rd., St. James. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	61.14	Apr. 26	60.42	July 26	59.99	Oct. 26	59.67
Mar. 1	60.84	May 24	60.24	Aug. 31	59.92	Nov. 30	59.58
29	60.64	June 28	60.07	Sept. 28	59.84	Dec. 21	59.67

S4523. U. S. Geol. Survey. Northville Turnpike and Route 58, Riverhead. Records available: 1945-50.

Jan. 31	8.92	Apr. 27	9.10	July 25	8.69	Oct. 31	8.18
Feb. 28	9.13	May 25	9.16	Aug. 30	8.36	Nov. 29	8.50
Mar. 27	9.18	June 27	8.91	Oct. 5	8.12	Dec. 28	8.50

S4524. U. S. Geol. Survey. Tuthill Lane, 0.15 mile north of Main Rd. (State Highway 25), Riverhead. Records available: 1945-50.

Jan. 31	6.09	Apr. 27	6.49	July 25	5.93	Nov. 2	5.52
Feb. 28	6.56	May 25	6.44	Aug. 30	5.73	29	5.63
Mar. 27	6.56	June 27	6.11	Oct. 5	5.59	Dec. 28	5.63

S4526. J. T. Downe. Southeast corner of West Lane and Sound Ave., Jamesport. Records available: 1945-50.

Jan. 31	8.61	Apr. 27	8.20	July 25	7.75	Nov. 1	7.50
Feb. 28	8.45	May 25	8.12	Aug. 30	7.63	29	7.48
Mar. 27	8.31	June 27	8.02	Oct. 5	7.54	Dec. 28	7.47

S4529. J. Gresseck. Sound Ave. and Twomey Ave. intersection, Riverhead. Records available: 1945-50.

S4529--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	12.14	Apr. 27	11.55	July 25	11.11	Oct. 31	10.97
Feb. 28	11.89	May 25	11.44	Aug. 30	11.03	Nov. 29	10.98
Mar. 27	11.80	June 27	11.33	Oct. 5	10.94	Dec. 28	10.94

S4530. U. S. Geol. Survey. Roanoke Ave. and Middle Rd., Riverhead. Records available: 1945-50.

Jan. 31	14.58	Apr. 27	15.36	July 25	14.91	Oct. 31	13.96
Feb. 28	15.20	May 25	15.46	Aug. 30	14.51	Nov. 29	14.08
Mar. 27	15.39	June 27	15.29	Oct. 5	14.13	Dec. 28	13.91

S4827. U. S. Geol. Survey. East side of Broadway, 164 feet north of Cuba Hill Road, Greenlawn. Records available: 1948-50.

Jan. 30	57.93	Apr. 25	57.23	July 24	56.42	Oct. 25	55.58
Feb. 21	57.73	May 23	57.00	Aug. 31	56.05	Nov. 27	55.20
Mar. 28	57.66	June 26	56.70	Sept. 25	55.73	Dec. 21	55.00

S4828. U. S. Geol. Survey. Southwest corner of Broadway and Park Ave., Greenlawn. Records available: 1948-50.

Jan. 30	69.45	Apr. 25	68.35	July 24	67.52	Oct. 25	66.77
Feb. 21	68.76	May 23	68.11	Aug. 31	67.19	Nov. 27	66.39
Mar. 28	68.76	June 26	67.85	Sept. 25	66.89	Dec. 21	66.11

S4829. U. S. Geol. Survey. West side of Randall Rd., 0.95 mile south of Port Jefferson-Riverhead Rd. (State Highway 25A), Shoreham. Records available: 1946-50.

Apr. 25	38.41	July 28	37.64	Oct. 11	37.55	Dec. 3	37.28
May 25	38.11	Sept. 7	37.62	27	37.46	28	37.14
June 29	37.86						

S7283. W. Karcher. About 120 feet north of State Highway 25, 800 feet east of Hallock Rd., and 0.45 mile east of Main St., Orient. Dug unused well in water-table (glacial) deposits, diameter 24 inches, depth 30 feet below land surface. Records available: (tape measurements from Jan. 11 to July 11, 1949 and by recording gage since July 12, 1949) 1949-50.

Daily mean water level, above mean sea level, from recorder graph, 1949

Day	Jan.	Feb.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.77	3.42	....	....	....	1.79	1.65	1.54	1.46	1.43
2	1.78	1.67	1.54	1.46	1.43
3	1.77	1.68	1.54	1.46	1.43
4	1.76	1.68	1.54	1.46	1.43
5	1.75	1.76	1.68	1.53	1.46	1.44
6	1.75	1.69	1.53	1.46	1.44
7	1.75	1.68	1.53	1.46	1.44
8	1.75	1.68	1.52	1.46	1.44
9	1.75	1.68	1.52	1.46	1.44
10	1.74	1.67	1.51	1.46	1.43
11	2.49	....	....	....	....	1.48	1.74	1.67	1.51	1.46	1.43
12	1.60	1.74	1.66	1.50	1.45	1.43
13	1.83	1.74	1.66	1.49	1.45	1.43
14	1.87	1.73	1.66	1.48	1.45	1.42
15	1.87	h1.73	1.65	1.47	1.45	1.42
16	1.87	h1.73	1.64	1.46	1.45	1.42
17	1.88	h1.72	1.64	1.46	1.45	1.42
18	1.88	1.72	1.63	1.46	1.45	1.42
19	1.87	1.72	1.63	1.46	1.45	1.41
20	1.87	1.67	1.63	1.46	1.45	1.41
21	1.87	1.67	1.61	1.46	1.45	1.41
22	3.20	....	....	....	1.87	1.50	1.61	1.46	1.45	1.41
23	2.30	1.86	1.40	1.61	1.46	1.45	1.40
24	2.90	....	1.85	1.49	1.50	1.46	1.44	1.40
25	1.85	1.57	1.54	1.46	1.44	1.39
26	3.29	....	....	1.84	1.60	1.49	1.46	1.44	1.39
27	1.84	1.61	1.48	1.46	1.43	1.39
28	1.84	1.62	1.53	1.46	1.43	1.39
29	1.83	1.63	1.54	1.46	1.43	1.39
30	1.81	1.62	1.54	1.46	1.43	1.39
31	1.80	1.62	1.46	1.46	1.43	1.38

h Tape measurement.

S7283--Continued.

Daily mean water level, above mean sea level, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.38	1.28	1.92	2.04	2.18	2.32	2.17	2.18	1.97	1.80	1.66	1.66
2	1.37	1.28	1.95	2.06	2.18	2.35	2.30	2.16	1.96	1.79	1.66	1.66
3	1.37	1.29	1.96	2.07	2.17	2.38	2.33	2.16	1.95	1.79	1.65	1.67
4	1.37	1.30	1.96	2.09	2.17	2.41	2.34	j2.16	1.94	1.78	1.65	1.68
5	1.37	1.30	1.98	2.10	2.16	2.43	2.34	j2.16	1.95	1.77	1.65	1.69
6	1.37	1.31	1.98	2.11	2.17	2.46	2.33	j2.15	1.92	1.77	1.65	1.70
7	1.37	1.32	1.98	2.13	2.16	2.48	2.33	j2.14	1.92	1.77	1.65	1.71
8	1.36	1.32	1.99	2.14	2.15	2.51	2.32	j2.14	1.91	1.76	1.65	1.73
9	1.36	1.35	1.99	2.15	2.14	2.53	2.32	j2.13	1.90	1.75	1.65	1.73
10	1.35	j1.38	1.98	2.16	2.14	2.56	2.32	2.12	1.90	1.75	1.64	1.74
11	1.35	j1.40	1.97	2.17	2.13	2.58	2.32	2.11	1.89	1.74	1.64	1.75
12	1.35	j1.42	1.97	2.18	2.13	2.58	2.31	2.10	1.89	1.74	1.64	1.75
13	1.34	j1.45	1.96	2.18	2.13	j2.60	2.31	2.09	1.88	1.73	1.64	1.75
14	1.34	j1.47	1.95	2.19	2.12	j2.61	2.30	2.08	1.88	1.72	1.64	1.76
15	1.33	j1.49	1.94	2.20	2.11	2.62	2.29	2.07	1.88	1.71	1.64	1.76
16	1.32	j1.51	1.93	2.20	2.10	2.63	2.29	2.06	1.88	1.71	1.64	1.77
17	1.32	j1.55	1.93	2.21	2.09	2.63	2.28	2.05	1.87	1.71	1.64	1.77
18	1.31	j1.59	1.93	2.21	2.08	2.63	2.28	2.04	1.87	1.71	1.64	1.77
19	1.31	j1.62	1.91	2.21	2.08	2.62	2.27	2.03	1.86	1.71	1.63	1.78
20	1.31	j1.66	1.90	2.22	2.08	2.60	2.27	2.02	1.86	1.70	1.64	1.78
21	1.31	j1.70	1.90	2.22	2.07	2.56	2.26	2.01	1.86	1.69	1.64	1.78
22	1.30	j1.74	1.92	2.21	2.06	2.54	2.26	2.00	1.86	1.69	1.63	1.78
23	1.30	1.78	1.97	2.22	2.06	2.54	2.25	2.00	1.86	1.69	1.62	1.78
24	1.30	1.81	2.00	2.21	2.05	2.53	2.25	2.00	1.84	1.68	1.62	1.78
25	j1.30	1.84	2.00	2.21	2.07	2.51	2.24	j2.00	1.83	1.68	1.62	1.77
26	j1.30	1.86	2.00	2.21	2.14	2.50	2.23	j2.00	1.82	1.67	1.62	1.77
27	1.29	1.89	2.01	2.20	2.17	2.46	2.22	j1.99	1.82	1.67	1.63	1.76
28	1.28	1.90	2.02	2.20	2.19	2.44	2.22	j1.99	1.82	1.67	1.64	1.75
29	1.28		2.01	2.19	2.20	j2.20	2.22	1.99	1.81	1.67	1.64	1.75
30	1.28		2.02	2.19	2.24	2.13	2.21	j1.98	1.81	1.67	1.65	1.79
31	1.28		2.03		2.31		2.19	1.98		1.67		1.81

j Interpolated.

S8912. Owner unknown. Southeast corner of Route 25 and Route 111, The Branch.

Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	33.32	Apr. 26	34.04	July 26	33.74	Oct. 26	33.23
Mar. 1	33.80	May 25	33.91	Aug. 31	33.58	Nov. 30	33.34
29	34.02	June 28	33.96	Sept. 27	33.42	Dec. 21	33.24

UPSTATE NEW YORK

By E. S. Simpson, G. R. Ayer, and C. W. Peck

Scope of Water-Level Program

The observation-well program in upstate New York (fig.10) was continued during 1950, in cooperation with the State Water Power and Control Commission. Four of the wells are measured as part of a hydrologic investigation in cooperation with the State Department of Conservation. Eleven of the wells are equipped with recording gages and sixteen are measured with a tape or nonrecording gage.

The record of well Bm 121 in Broome County appears for the first time in this report. The well is in the flood plain of the Susquehanna River in the southwestern plateau province of New York. The land surface at the well is about 835 feet above sea level and the surrounding hills rise to altitudes of about 1,800 feet. Bedrock consists of alternating beds of shale and sandstone that dip gently southward. Overlying the bedrock along the flood plain of the river is

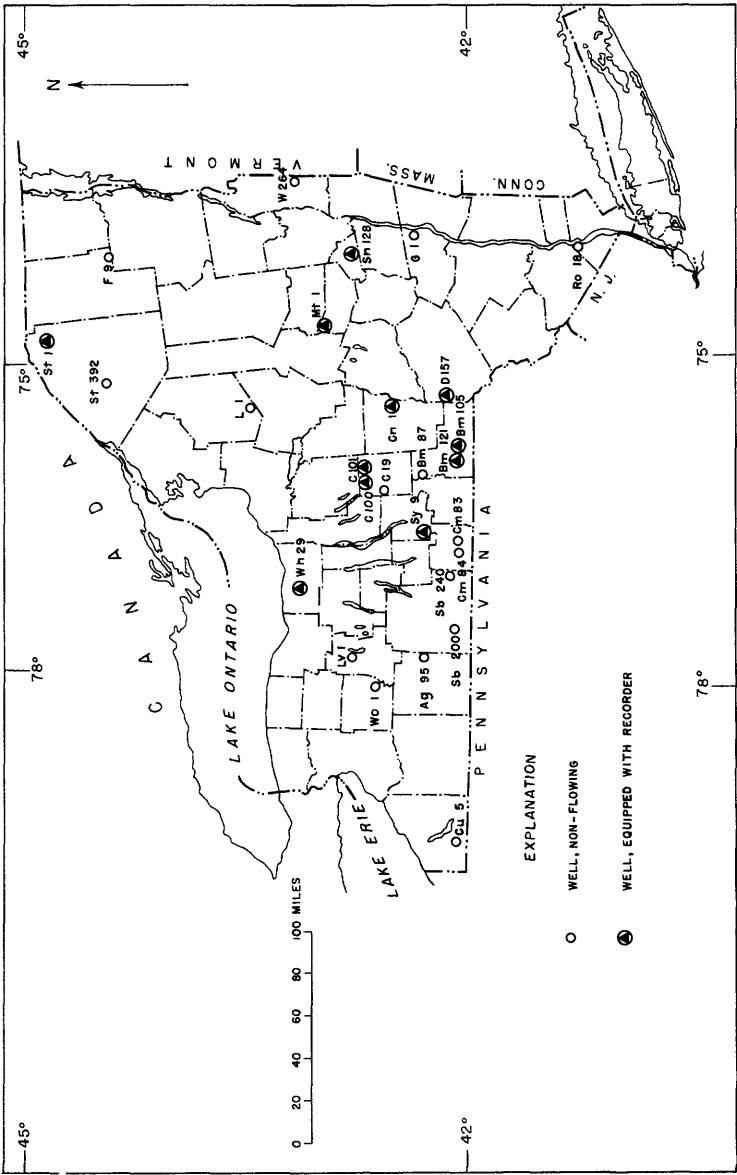


Figure 10. --Location of observation wells in upstate New York.

a fairly thick, unconsolidated, and irregularly bedded deposit of stratified clay, sand, and gravel of fluvoglacial origin. Well Bm 121 is drilled into this deposit and the Susquehanna River flows over it, approximately 0.3 mile south of the well at an altitude of about 810 feet. Water levels may be affected by pumping from nearby municipal supply wells and by nearby stream stage.

Interpretation of Water-Level Fluctuations

The average precipitation for the entire State during 1950 was 4 percent above normal, and the exceptionally low ground-water levels that prevailed during the summer and fall of 1949 were replaced during 1950 by average or above-average levels in most places. The extreme northern area was the only area in upstate New York that reported a ground water shortage in 1950. The year began with above-normal precipitation and rising water levels. By the end of March water levels throughout the upstate area had fully recovered from the previous summer's drought. In April seasonal decline of water levels began and continued through July at about average rates in most places. Precipitation during the period was about 20 percent below normal. However, in northern New York water levels declined at greater than average rates and in July some farmers were reported hauling water for livestock because water levels were so low. During August, which was exceptionally wet, and during September water-level conditions improved generally, including the northern area. During November and December precipitation was above normal as were water levels. The year closed with some wells showing new record highs for December. Graphs showing 1950 month-end water levels compared with average for 8 years of record in wells Lv 1, Mt 1, Wo 1, and St 1 are given in figure 11.

Well-Numbering System

Wells in upstate New York are numbered consecutively in each county. A letter or combination of two letters from the name of the county is prefixed to the well numbers in that county. Thus, the letters "Cn" are prefixed to all well numbers in Chenango County.

Well Descriptions and Water-Level Measurements

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

Allegany County

Ag 95. Ronald Mullikin. About 1 mile north of Almond, lat. 42°20'40", long. 77°44'24". Dug unused water-table well in glacial till, diameter 30 inches, depth 13 feet. Land-surface datum about 1,550 feet above msl. Highest water level, 0.36 below lsd, Feb. 21, 1948; lowest 6.01 below lsd, Nov. 12, 1949. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	5.39	Apr. 15	2.50	July 15	3.97	Oct. 7	4.36
14	4.93	22	2.73	19	4.08	14	3.16
21	4.27	29	2.97	22	3.98	21	3.25
28	3.97	May 6	3.16	29	4.01	28	3.56
Feb. 4	3.27	13	3.40	Aug. 5	4.10	Nov. 4	3.21
11	2.93	20	2.44	12	4.41	11	2.72
18	2.88	27	2.91	19	4.42	18	2.20
25	2.97	June 3	3.11	26	4.50	25	1.56
Mar. 4	2.60	10	3.51	Sept. 2	4.32	Dec. 2	1.40
11	2.46	17	3.63	9	4.11	9	1.58
18	2.49	24	3.77	16	3.92	16	1.83
25	1.91	July 1	3.91	23	3.98	23	2.21
Apr. 1	2.17	8	3.93	30	4.22	30	2.54
8	2.24						

Broome County

Bm 87. Mrs. Helen Frawley. About 3 miles southwest of Center Lisle, lat 42°19'40", long. 76°05'58". Dug unused water-table well in glacial till, diameter 36 inches, depth 18 feet. Land-surface datum about 1,520 feet above msl. Highest water level 0.84 below lsd, Feb. 26, 1949; lowest 8.88 below lsd, Nov. 1, 1947. Records available: 1947-50.

Jan. 7	1.75	Mar. 18	2.04	May 27	6.04	July 29	6.66
14	1.86	25	2.33	June 3	5.34	Aug. 5	6.97
21	2.09	Apr. 1	1.04	10	5.63	12	7.24
28	2.37	8	2.11	17	6.18	19	7.31
Feb. 4	3.47	15	2.04	24	6.64	26	6.06
11	4.42	22	1.96	July 1	6.75	Sept. 2	3.92
18	4.50	29	3.74	8	6.87	9	4.24
25	4.66	May 6	3.98	15	7.05	16	3.16
Mar. 4	5.18	13	5.22	18	7.11	23	4.42
11	1.92	20	5.49	22	6.68	30	6.07

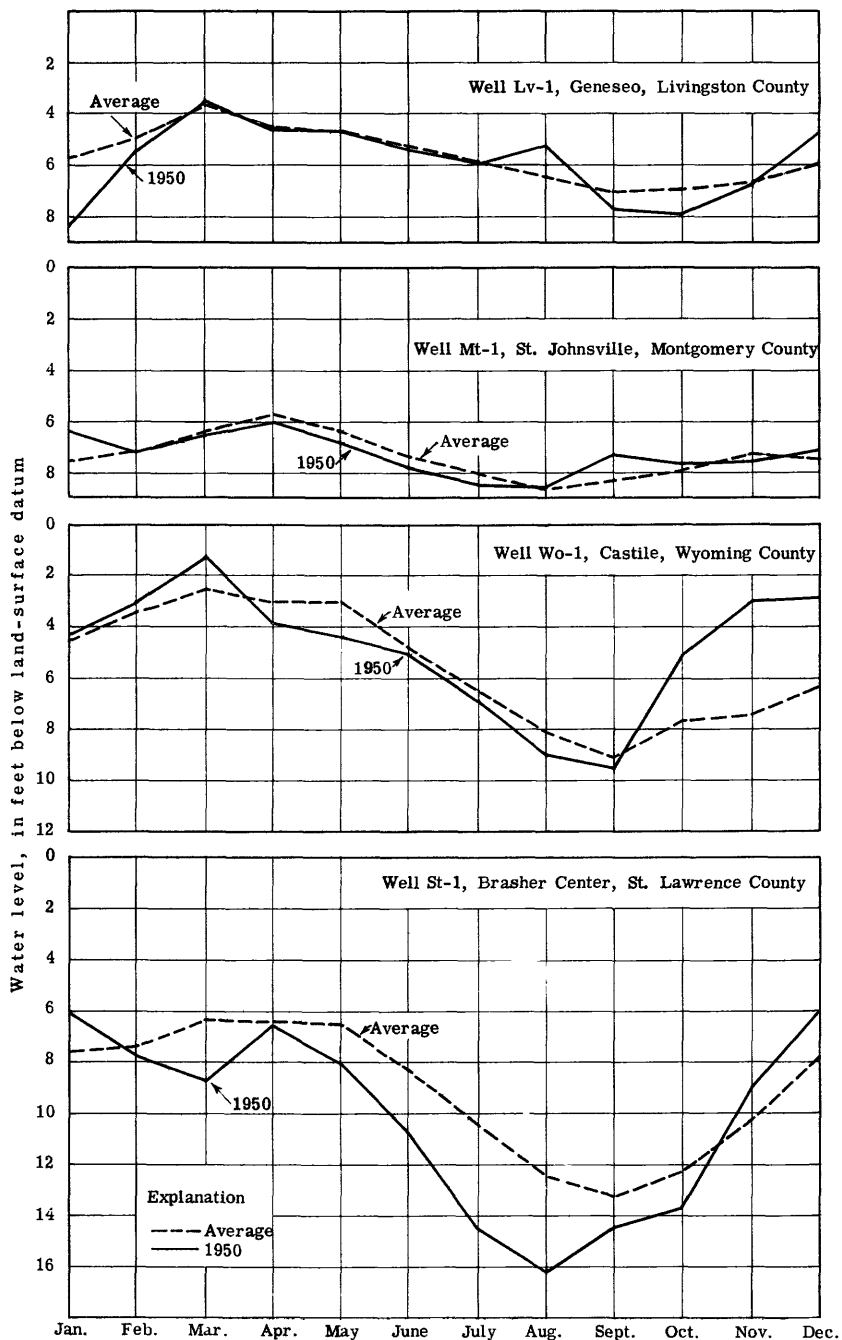


Figure 11. --Month-end water levels and average for 8 years of record in four wells in upstate New York.

Bm 87--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 7	6.16	Nov. 4	6.69	Nov. 25	1.36	Dec. 16	3.39
14	5.87	11	5.01	Dec. 2	1.75	23	4.28
21	5.60	18	5.09	9	2.55	30	4.98
28	6.26						

Bm 105. U. S. Geol. Survey. At intersection of Prospect and Front Sts., Binghamton, lat. 42°06'43", long. 75°54'39". Drilled artesian observation well in glacial outwash, diameter 6 inches, depth 143 feet. Land-surface datum is about 850 feet above msl. Highest water level 8 (estimated) below lsd, Mar. 29, 1950; lowest 19.78 below lsd, Oct. 8, 1948. Records available: 1947-50.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.36	17.38	17.95	11.83	17.50	18.68	18.68	18.96	14.72	18.99	19.07	17.06
2	17.36	17.37	18.09	12.33	16.87	17.67	18.82	19.07	12.74	19.05	19.09	17.29
3	17.24	17.40	16.49	12.35	17.20	18.10	18.96	19.07	13.28	19.08	19.10	16.91
4	16.73	17.59	16.60	10.38	17.47	15.47	18.96	19.07	e15.3	19.12	19.07	12.30
5	16.68	17.77	16.65	e9.	16.85	15.38	18.59	19.10	16.62	19.17	18.07	e10.6
6	16.20	17.78	16.99	e9.	17.12	16.70	18.53	19.20	17.39	19.19	17.75	.....
7	13.71	.....	17.40	10.55	17.41	17.37	18.57	19.26	17.79	19.23	18.20	.....
8	14.87	.....	17.44	12.32	17.66	17.84	18.78	19.32	18.12	19.25	18.43	.....
9	16.02	.....	15.68	13.14	17.84	18.12	18.95	19.39	18.31	19.26	18.48	.....
10	16.13	.....	15.28	13.77	17.96	18.32	19.05	19.42	18.48	19.24	18.33	.....
11	13.70	.....	15.77	14.17	17.49	18.38	18.94	19.45	17.82	18.34	18.26	.....
12	14.58	.....	16.02	14.28	17.76	18.55	18.37	19.47	17.08	18.06	18.31	e15.6
13	15.65	e17.6	16.22	14.52	17.97	18.67	18.57	19.53	17.30	18.27	18.43	e16.2
14	15.20	17.78	16.61	14.98	18.05	18.75	17.81	19.56	17.58	17.81	18.52	e16.7
15	15.52	17.89	16.88	15.36	18.12	18.77	18.09	19.58	17.45	18.02	18.58	e17.0
16	16.05	17.46	17.07	15.75	18.19	18.78	18.55	19.59	17.54	18.29	18.63	e17.1
17	16.18	17.42	17.19	16.15	18.26	18.86	18.75	19.52	17.48	18.47	18.62	e17.3
18	16.75	17.55	17.29	16.46	18.28	18.57	18.82	19.54	17.84	18.55	18.61	e17.6
19	16.95	17.64	17.56	16.56	17.94	18.71	18.93	19.29	18.06	18.61	18.68	17.68
20	17.39	17.80	17.67	13.95	17.91	18.88	18.95	17.86	18.19	18.68	18.70	17.77
21	17.65	18.31	17.56	12.93	18.05	18.93	17.06	18.19	18.27	18.76	17.13	17.96
22	17.65	17.77	17.25	13.84	18.26	18.94	17.89	18.71	18.41	18.82	17.32	18.00
23	17.57	17.67	16.45	14.93	18.41	18.97	18.41	18.99	18.49	18.85	17.75	17.91
24	17.54	17.69	13.65	15.58	18.52	18.86	18.67	19.14	18.54	18.89	17.97	17.87
25	16.02	17.98	16.86	16.16	18.57	17.27	18.74	19.24	18.62	18.92	17.81	17.82
26	15.63	17.84	16.96	16.65	18.64	17.96	18.82	19.32	18.67	18.95	12.15	17.93
27	15.85	18.05	16.64	16.83	18.70	18.40	18.96	19.36	18.74	18.99	14.20	.....
28	16.61	17.96	13.72	17.11	18.74	18.65	19.05	19.20	18.79	19.02	15.62	.....
29	16.95	.....	e8.	17.29	18.69	18.80	18.99	19.01	18.88	19.04	16.44	.....
30	16.64	.....	e9.	17.43	18.70	18.88	19.02	19.07	18.94	19.05	16.80	.....
31	17.02	.....	10.89	.....	18.79	.....	19.13	18.16	.....	19.05	.....	.....

e Estimated.

Bm 121. U. S. Geol. Survey. At intersection of Camden and Main Sts., Johnson City, lat. 42°06'57", long. 75°58'35". Drilled artesian observation well in glacial outwash, diameter 6 inches, depth 51 feet. Land-surface datum is about 835 feet above msl. Recording gage installed Apr. 25, 1950. Highest water level, 17.85 below lsd, Dec. 10, 1950; lowest 30.63 below lsd, Oct. 29, 1947. Records available: 1947-50. Jan. 30, 1947, 24.80; Oct. 29, 1947, 30.63; Aug. 5, 1948, 28.27; Apr. 21, 1949, 24.90; Dec. 12, 1949, 28.04.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.53	26.82	26.79	27.63	.....	26.23	28.55	23.13
2	23.76	26.82	26.88	27.68	.....	26.38	28.59	23.20
3	23.97	26.81	26.94	27.72	.....	26.50	28.63	23.32
4	24.16	26.80	26.96	27.77	e23.9	26.62	28.68	23.42
5	24.37	26.72	26.95	27.82	.....	26.74	28.74	21.95
6	24.52	26.44	26.93	27.88	.....	26.87	28.76	18.77
7	24.64	26.15	26.92	27.93	.....	27.00	28.74	17.97
8	24.74	25.94	26.94	27.96	.....	27.13	28.70	17.93
9	24.83	25.81	26.98	28.00	.....	27.26	28.68	17.88
10	24.92	25.74	27.02	28.05	.....	27.35	28.66	17.85
11	25.04	25.71	27.05	28.10	23.31	27.45	28.65	17.90
12	25.16	25.67	27.09	28.16	23.48	27.55	28.63	18.04
13	25.29	e25.6	27.14	28.22	.....	27.63	28.61	18.28
14	25.41	25.60	27.20	28.27	.....	27.70	28.6	18.56
15	25.53	25.62	27.26	28.29	.....	27.77	28.6	18.89

Bm 121--Continued.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	25.61	25.67	27.30	28.32	.....	27.82	28.5	19.25
17	.....	25.71	25.74	27.31	28.37	.....	27.85	28.5	19.61
18	.....	25.82	25.82	27.30	28.42	e24.4	27.87	28.5	19.97
19	.....	25.94	25.88	27.30	28.47	.....	27.91	28.6	20.31
20	.....	26.06	25.93	27.32	28.51	.....	27.96	28.6	20.66
21	.....	26.16	25.99	27.36	28.49	.....	28.02	28.56	21.00
22	.....	26.23	26.06	27.39	28.42	.....	28.08	28.54	21.36
23	.....	26.28	26.15	27.41	28.32	.....	28.15	28.48	21.71
24	.....	26.34	26.24	27.43	28.24	.....	28.19	28.43	22.03
25	.....	26.41	26.33	27.43	28.19	e25.4	28.23	28.34	22.31
26	e22.00	26.50	26.41	27.43	28.16	25.52	28.28	28.06	22.5
27	22.32	26.60	26.48	27.44	28.16	25.64	28.33	25.74	22.73
28	22.64	26.70	26.54	27.46	28.16	25.78	28.39	23.95	22.85
29	22.96	26.78	26.62	27.51	.....	25.92	28.45	23.28	22.93
30	23.26	26.82	26.71	27.56	.....	26.07	28.50	23.12	23.00
31	...	26.82	.....	27.60	.....	.....	28.52	.....	23.05

e Estimated.

Chautauqua County

Cu 5. State Department of Conservation. About 1.5 miles southeast of Panama, lat. 42°03'28", long. 79°29'59". Dug unused water-table well in glacial till, diameter 36 inches, depth 33 feet. Land-surface datum is about 1,770 feet above msl. Nonrecording gage installed July 21, 1950. Highest water level 2.16 below lsd, Nov. 4, 1950; lowest 9.41 below lsd, May 24, 1949. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	2.40	May 20	3.12	July 29	3.60	Oct. 14	2.46
14	2.24	27	3.08	Aug. 5	3.31	21	3.01
21	2.21	June 4	3.13	12	3.77	28	3.19
28	2.20	10	3.23	19	4.32	Nov. 4	2.16
Apr. 1	2.92	17	3.87	26	4.56	11	2.28
8	2.86	24	4.30	Sept. 2	2.42	18	2.39
15	2.72	July 1	4.66	9	2.45	Dec. 2	2.38
22	2.51	8	4.91	16	2.49	9	2.40
29	2.50	15	4.83	23	2.97	16	2.42
May 6	2.82	21	4.54	30	3.55	23	2.42
13	2.35	22	4.50	Oct. 7	3.86	30	2.39

Chemung County

Cm 83. Dailey. About 4 miles north of Lowman, lat. 42°04'43", long. 76°41'01". Dug water-table well in glacial till, diameter 30 inches, depth 21 feet. Land-surface datum is about 1,480 feet above msl. Highest water level 2.46 below lsd, Mar. 25, 1950; lowest 12.58 below lsd, Dec. 10, 1949. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	4.30	Apr. 8	3.10	July 8	8.37	Oct. 7	6.57
14	3.05	15	3.52	15	10.05	14	3.90
21	4.10	22	3.20	22	10.50	21	4.18
28	3.23	29	3.19	29	10.80	28	5.50
Feb. 4	3.37	May 6	3.06	Aug. 5	11.20	Nov. 4	6.78
11	3.20	13	3.52	12	11.35	11	4.10
18	3.15	20	3.14	21	11.50	18	4.20
25	3.16	27	4.20	26	11.58	25	3.50
Mar. 4	4.05	June 3	3.38	Sept. 2	10.28	Dec. 2	3.62
11	3.18	10	4.15	9	6.70	9	3.35
18	3.18	17	5.72	16	4.96	16	3.73
25	2.46	24	7.02	23	3.76	23	3.92
Apr. 1	2.73	July 1	8.53	30	5.18	.....	.....

Cm 84. Remington Rand Co., Inc. South Main St., Elmira, lat. 42°04'17", long. 76°47'47". Drilled unused artesian (?) well in glacial outwash, diameter 6 inches, depth 257 feet. Land-surface datum is about 850 feet above msl. Highest water level 15.35 below lsd, Apr. 3, 1950; lowest 18.19 below lsd, Aug. 29, 1949. Records available: 1947-50.

Cm 84--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.68	Apr. 3	15.35	July 5	16.65	Oct. 1	16.77
9	16.45	10	15.44	10	16.70	8	16.73
16	16.31	17	15.69	17	16.62	16	16.58
23	16.34	24	15.91	24	16.68	23	16.47
30	16.31	May 2	16.40	31	16.74	30	16.61
Feb. 6	16.31	9	16.80	Aug. 7	16.80	Nov. 6	16.56
13	16.36	15	16.12	14	17.00	13	16.44
20	16.25	22	16.14	21	16.91	20	16.20
27	16.20	29	16.15	28	16.87	27	16.09
Mar. 6	16.28	June 5	16.20	Sept. 5	16.60	Dec. 4	16.20
13	16.18	12	16.23	11	16.58	11	16.47
20	16.09	19	16.35	18	16.60	18	16.52
27	15.70	26	16.47	25	16.64	26	16.58

Chenango County

Cn 1. U. S. Geol. Survey. About 2.5 miles west of South New Berlin, lat 42°31'55", long. 75°25'30". Dug water-table observation well in glacial till. Highest water level 0.00; lowest 6.13 below lsd, Oct. 10, 1936. Records available: 1934-50.

Jan. 2	0.66	Apr. 3	0.36	July 3	0.95	Oct. 2	0.83
9	.65	10	.68	10	.88	9	.90
16	.60	17	.76	17	.85	16	.76
23	.67	24	.71	24	.75	23	.80
20	.67	May 1	.56	31	.64	30	.85
Feb. 7	.69	8	.78	Aug. 7	.90	Nov. 6	.72
13	.67	15	.76	14	1.28	13	.78
20	.66	22	.78	21	.85	20	.34
27	.67	29	.85	28	1.21	27	.71
Mar. 6	.68	June 5	.74	Sept. 4	.66	Dec. 4	.05
13	.57	12	.84	11	.65	11	.71
20	.67	19	.77	18	.69	18	.75
27	.55	26	.87	25	.74	25	.74

j This level observed many times during period of record.

Cortland County

C 19. Cortland Water Works. Broadway, Cortland, lat. 42°35'45", long. 76°11'45". Dug unused water-table well in glacial outwash, diameter 40 feet, depth 19 feet. Land-surface datum is about 1,150 feet above msl. Highest water level 2.98 below lsd, Apr. 5, 1947; lowest 7.00 below lsd, Oct. 29, 1949. Records available: 1947-50.

Jan. 7	4.38	Mar. 18	4.00	June 17	4.2	Sept. 9	5.19
14	4.25	25	3.45	24	4.1	16	5.01
21	4.28	31	3.15	July 1	4.2	23	5.5
28	4.28	Apr. 1	3.15	8	4.5	30	5.18
Feb. 4	4.25	8	3.92	15	4.6	Oct. 7	5.18
11	4.23	15	4.50	Aug. 5	5.03	14	5.13
18	4.25	22	4.16	12	5.12	21	5.20
25	4.10	29	4.05	19	5.25	28	5.24
Mar. 4	4.00	June 3	4.3	26	5.02	Nov. 4	5.22
11	4.12	10	4.3	Sept. 2	5.00	11	5.20

C 100. U. S. Geol. Survey. About 2.5 miles north of stream-gaging station in East Homer, lat. 42°42'00", long. 76°06'50". Dug water-table observation well in glacial till. Highest water level 0; lowest 6.15 below lsd, Oct. 26, 1939. Records available: 1938-50.

Jan. 1	0.59	Apr. 2	0.19	July 3	2.56	Oct. 2	3.04
8	.00	9	.10	10	2.75	9	3.36
15	.00	16	.22	17	3.06	16	1.33
22	1.18	23	.18	24	2.65	23	2.67
29	.46	30	1.58	31	2.96	30	2.52
Feb. 5	1.58	May 8	1.68	Aug. 7	3.23	Nov. 6	.13
12	1.38	15	1.63	14	2.52	13	.23
19	1.19	22	2.27	21	2.77	20	.00
27	1.68	29	2.02	28	4.06	27	.00
Mar. 5	2.10	June 5	.04	Sept. 4	2.50	Dec. 4	.00
13	1.02	12	2.48	12	.00	11	.00
20	1.19	19	2.40	17	2.29	18	.02
27	.38	26	2.19	24	2.58	26	.06

j This level observed many times during period of record.

C 101. U. S. Geol. Survey. About 5 miles north of Truxton, lat 42°46'00", long. 76°01'10". Dug water-table observation well in glacial till. Highest water level 0 j; lowest dry^k. Records available: 1933-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	0.35	May 7	0.16	July 11	1.20	Sept. 29	2.48
16	.18	15	.23	18	1.43	Oct. 4	2.54
23	.21	22	.36	24	1.59	11	2.66
30	.25	29	.52	Aug. 1	2.03	19	1.37
Feb. 6	.31	June 5	.63	7	1.94	22	1.39
15	.40	12	.68	18	2.26	29	1.47
23	.46	20	.83	27	2.68	Nov. 5	1.59
Apr. 17	.12	27	.96	Sept. 4	2.33	12	1.60
23	.12	July 4	1.05	20	2.44	14	1.58
28	.10						

j This level observed many times during period of record.

k Aug. 17 to Oct. 12, 1936; Sept. 7 to Nov. 1, 1939.

Delaware County

D 157. U. S. Geol. Survey. About 1 mile north of China, lat. 42°09'35", long. 75°23'35". Dug water-table observation well in glacial till. Highest water level 0 j; lowest 9.24 below lsd, Oct. 27, 1935. Records available: 1934-50.

Jan. 1	2.69	Apr. 9	2.48	July 9	5.00	Oct. 8	6.61
8	1.28	16	3.57	16	5.48	15	5.08
15	2.66	23	1.88	23	4.22	22	5.42
22	3.86	30	2.62	30	4.28	29	6.09
29	2.07	May 7	2.56	Aug. 6	2.32	Nov. 5	2.71
Feb. 5	2.90	14	3.16	13	4.55	12	1.59
12	3.28	21	2.10	20	1.09	19	4.02
19	2.01	28	4.35	27	4.25	26	1.01
26	3.34	June 4	1.20	Sept. 3	2.45	Dec. 3	1.68
Mar. 5	4.33	11	4.21	10	4.53	10	1.53
12	1.53	18	2.87	17	5.19	17	3.30
19	2.75	25	1.58	24	5.73	24	4.21
26	1.84	July 2	4.50	Oct. 1	6.27	31	4.23
Apr. 2	1.09						

j This level observed many times during period of record.

Franklin County

F 9. Arthur Fletcher. About 2 miles northeast of Bloomingdale, lat. 44°25'36", long. 74°03'30". Dug unused water-table well in glacial till, diameter 48 inches, depth 11 feet. Land-surface datum is about 1,680 feet above msl. Nonrecording gage installed May 25, 1950. Highest water level 4.81 below lsd, Dec. 8, 1950; lowest 8.38 below lsd, Aug. 26, 1949. Records available: 1949-50.

Jan. 6	5.60	May 25	5.98	Aug. 4	7.59	Oct. 20	7.15
13	5.20	26	6.04	11	7.07	27	7.10
20	5.24	June 2	6.39	18	7.50	Nov. 4	7.14
27	4.82	9	6.64	25	7.58	10	6.41
Feb. 3	5.24	16	6.97	Sept. 1	5.59	17	6.68
10	5.91	23	7.11	8	5.86	25	5.04
17	5.92	30	7.14	15	5.61	Dec. 1	5.23
		July 7	7.72	22	5.63	8	4.81
May 5	5.00	14	7.88	29	6.12	15	5.06
12	4.97	21	7.91	Oct. 6	6.60	22	5.45
19	5.51	28	8.07	13	6.97	29	5.75

Greene County

G 1. Andersen. About 2 miles north of West Cocksackie, lat. 42°23'20", long. 73°48'19". Dug water-table well in glacial till (?), diameter 36 inches, depth 19 feet. Land-surface datum is about 125 feet above msl. Highest water level 1.90 below lsd, May 5, 1947; lowest 12.75 below lsd, Nov. 1, 1948. Records available: 1946-50.

Jan. 2	7.32	Feb. 6	6.03	Apr. 3	2.88	May 8	3.40
9	6.65	13	6.06	10	3.39	15	4.42
16	5.65	Mar. 13	2.40	17	3.64	22	3.05
23	5.57	20	2.60	24	3.24	29	3.79
30	5.76	27	1.90	May 1	3.57	June 5	2.75

G 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 26	4.55	Aug. 14	8.07	Oct. 2	5.27	Nov. 20	5.87
July 3	5.40	21	8.57	9	5.86	27	4.00
10	6.33	28	8.94	16	5.54	Dec. 4	2.78
17	6.40	Sept. 4	8.44	23	5.67	11	2.47
24	6.67	11	3.16	30	6.09	18	3.00
31	6.87	18	3.64	Nov. 6	6.17	26	3.00
Aug. 7	7.30	25	4.88	13	5.88		

Lewis County

L 1. State Department of Conservation. About 2 miles north of West Leyden, lat 43°29'32", long. 75°27'40". Dug water-table well in glacial till (?), diameter 36 inches, depth 18.6 feet. Land-surface datum is about 1,670 feet above msl. Highest water level 3.77 below lsd, Jan. 13, 1950; lowest 10.63 below lsd, Aug. 19, 1949. Records available: 1949-50.

Jan. 6	3.87	Apr. 7	3.97	July 7	7.24	Oct. 6	6.00
13	3.77	14	3.88	14	7.68	13	6.40
20	3.97	21	5.07	21	8.01	20	6.30
27	3.79	29	5.17	28	8.56	27	6.87
Feb. 3	4.95	May 5	5.95	Aug. 4	8.48	Nov. 3	6.59
10	5.88	12	5.97	11	8.20	10	6.00
17	6.34	19	6.15	18	8.50	17	5.48
24	6.88	26	6.44	25	8.90	24	4.10
Mar. 3	7.33	June 2	6.20	Sept. 1	8.60	Dec. 1	5.08
10	7.71	9	6.34	8	8.01	8	5.42
17	5.94	16	6.84	15	7.30	15	5.90
24	5.47	23	7.00	22	6.90	22	6.40
31	4.07	30	7.54	29	6.52	29	7.10

Livingston County

Lv 1. William Redmond. 33 North St., Geneseo. Lat. 42°48'00", long. 77°48'46". Dug unused water-table well in glacial till (?), diameter 36 inches, depth 28 feet. Land-surface datum is about 790 feet above msl. Records available: 1942-50.

Jan. 25	8.35	Apr. 25	4.40	July 25	5.99	Oct. 25	7.94
Feb. 25	5.40	May 25	4.63	Aug. 28	5.25	Nov. 25	6.76
Mar. 25	3.55	June 26	5.40	Sept. 25	7.75	Dec. 28	4.65

Montgomery County

Mt 1. Floyd B. Groff. About 2.5 miles northwest of St. Johnsville, lat. 43°01'43", long. 74°42'38". Dug unused water-table well in glacial till, diameter 24 inches, depth 12 feet. Land-surface datum is about 720 feet above msl. Highest water level 4.10 below lsd, Apr. 15, 1948; lowest 9.99 below lsd, Aug. 28, 1949. Records available: 1942-50.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.77	6.49	7.27	5.20	6.12	7.03	7.80	8.53	8.16	7.66	7.73	e6.8
2	6.82	6.52	7.31	5.38	6.06	7.06	7.85	8.55	7.43	7.70	7.75	e6.8
3	6.85	6.58	7.37	5.45	6.03	7.08	7.89	8.58	...	7.73	7.78	6.85
4	6.88	6.62	7.40	5.26	6.03	6.79	7.93	8.59	...	7.76	7.79	6.70
5	6.90	6.68	7.40	5.00	6.09	6.44	7.95	8.59	7.06	7.80	7.73	5.91
6	6.85	6.70	7.42	4.98	6.14	6.36	7.96	8.56	7.14	7.85	7.67	e5.9
7	6.49	6.75	7.45	5.09	6.24	6.42	7.99	8.54	7.23	7.88	7.62	e6.0
8	6.18	6.83	7.46	5.18	6.33	6.50	8.03	8.54	7.31	7.90	7.58	e6.0
9	6.07	6.84	7.04	5.34	6.38	6.58	8.07	8.56	7.38	7.92	7.54	e6.1
10	6.14	6.86	6.78	5.42	6.38	6.65	8.11	8.59	7.45	7.92	7.52	6.08
11	5.81	6.87	6.71	5.46	6.40	6.74	8.14	8.62	7.47	7.81	7.50	6.11
12	5.83	6.89	6.71	e5.4	6.41	6.83	8.13	8.65	7.38	7.68	7.50	6.21
13	5.93	6.91	6.74	e5.5	6.42	6.90	8.12	8.68	7.35	e7.6	7.49	6.31
14	5.81	6.94	6.80	e5.6	6.47	6.97	8.10	8.71	7.31	e7.5	7.50	6.37
15	5.75	6.93	6.85	e5.7	6.50	7.05	8.09	8.74	7.24	7.45	7.50	6.42
16	5.67	6.95	6.90	5.78	6.55	7.10	8.09	8.77	7.17	7.41	7.51	6.47
17	5.58	6.98	6.93	5.83	6.60	7.14	8.11	8.81	7.12	7.38	7.51	6.53
18	5.67	7.00	6.94	5.90	6.63	7.21	8.13	8.84	7.11	7.37	7.53	6.58
19	5.93	7.00	7.01	5.96	6.64	7.26	8.15	8.85	7.12	7.37	7.55	e6.6
20	6.08	7.03	7.05	5.97	6.61	7.31	8.16	8.71	7.16	7.38	7.55	e6.7

Mt 1--Continued.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	6.20	7.06	7.05	5.76	6.59	7.36	8.17	8.52	7.21	7.42	7.55	e6.7
22	6.30	7.06	7.00	5.62	6.60	7.42	8.20	8.43	7.25	7.45	7.55	e6.8
23	6.41	7.08	6.78	5.57	6.63	7.46	8.23	8.41	7.29	7.48	7.56	6.82
24	6.50	7.13	6.61	5.64	6.67	7.50	8.26	8.41	7.36	7.52	7.56	6.85
25	6.50	7.17	6.45	5.72	6.71	7.54	8.29	8.43	7.42	7.54	7.54	6.89
26	6.36	7.20	5.80	5.79	6.75	7.58	8.31	8.46	7.47	7.58	7.34	6.93
27	6.31	7.24	5.00	5.88	6.80	7.62	8.35	8.49	7.53	7.62	7.06	e7.0
28	6.29	7.26	4.59	5.96	6.84	7.66	8.38	8.53	7.58	7.65	6.86	e7.0
29	6.28		4.57	6.03	6.89	7.71	8.42	8.56	7.61	7.67	6.79	e7.1
30	6.37		4.75	6.09	6.94	7.75	8.45	8.59	7.62	7.69	6.79	7.09
31	6.42		5.04		6.99		8.49	8.61		7.71		7.12

e Estimated.

Rockland County

Ro 18. Palisades Interstate Park. In Bear Mountain section of park about 4 miles west of Peekskill near intersection of Doodletown Rd. and Seven Lakes Dr., lat 41°18'02", long. 73°59'30". Drilled unused water-table well in unconsolidated glacial deposit, diameter 6 inches, depth 61 feet. Land-surface datum is about 380 feet above msl. Nonrecording gage installed Apr. 21, 1950. Highest water level 13.55 below lsd, Mar. 29, 1950; lowest 24.40 below lsd, Dec. 7, 1949. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	22.48	Apr. 5	14.07	July 9	16.97	Oct. 8	22.20
11	22.08	12	14.83	16	16.98	15	22.25
18	21.62	18	15.00	23	16.99	22	22.53
25	21.85	26	15.65	30	17.41	29	22.82
Feb. 1	21.52	May 3	15.71	Aug. 6	18.02	Nov. 5	22.75
8	21.07	10	15.61	13	18.64	12	22.44
15	20.03	17	15.82	20	19.21	19	22.10
22	19.09	24	15.67	27	19.61	24	21.91
Mar. 1	18.49	31	14.89	Sept. 3	19.94	Dec. 3	21.37
8	18.36	June 7	14.67	10	20.28	10	18.90
15	17.25	18	15.58	17	20.45	17	18.80
22	14.38	25	16.04	24	20.66	24	18.70
29	13.55	July 2	16.51	Oct. 1	21.24	31	18.40

St. Lawrence County

St 1. Benjamin Compeau. About 0.2 mile southeast of Brasher Center, lat. 44°51'52", long. 74°46'53". Dug unused water-table well in glacial till, diameter 34 inches, depth 21 feet. Land-surface datum is 257 feet above msl. Highest water level 3.00 below lsd, Apr. 6, 1947; lowest 17.8 below lsd, Oct. 1-4, 1949. Records available: 1942-50.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.8	6.3	7.6	...	6.2	8.3	11.6	14.8	16.0	14.1	13.3	5.7
2	6.6	6.4	7.6	5.6	6.2	8.4	11.8	14.8	16.0	14.0	13.2	5.7
3	6.4	6.5	7.7	5.4	6.3	8.5	11.9	14.9	15.9	14.0	13.2	5.6
4	6.2	6.6	7.7	5.1	6.4	8.5	12.0	15.0	15.9	13.9	13.2	5.4
5	5.7	6.7	7.7	5.1	6.5	8.6	12.1	15.1	15.8	13.9	13.0	5.3
6	5.6	6.7	7.8	5.1	6.5	8.7	12.2	15.2	15.7	13.9	12.9	5.3
7	5.6	6.8	7.8	5.1	6.6	8.8	12.3	15.3	15.7	13.9	12.8	5.4
8	5.8	6.9	7.8	5.1	6.7	8.9	12.4	15.3	15.6	13.9	12.6	5.4
9	5.8	6.9	7.8	5.1	6.8	9.0	12.5	15.4	15.5	13.8	12.3	5.3
10	5.9	7.0	7.8	5.2	6.8	9.1	12.6	15.5	15.4	13.8	12.1	5.4
11	5.1	7.0	7.8	5.1	6.9	9.2	12.7	15.5	15.4	13.8	11.9	5.4
12	5.3	7.1	7.8	5.1	7.0	9.3	12.8	15.5	15.3	13.8	11.7	5.4
13	5.5	7.2	7.8	5.1	7.1	9.4	12.9	15.6	15.3	13.8	11.5	5.5
14	5.1	7.2	7.8	5.2	7.1	9.5	13.0	15.6	15.2	13.8	11.3	5.5
15	5.2	7.2	7.8	5.3	7.2	9.7	13.1	15.7	15.1	13.8	11.1	5.6
16	5.3	7.3	7.8	5.3	7.2	9.8	13.2	15.7	15.0	13.8	11.0	5.6
17	5.4	7.3	7.8	5.4	7.3	9.9	13.2	15.8	15.0	13.8	10.8	5.6
18	5.5	7.4	7.8	5.5	7.3	10.0	13.3	15.8	14.9	13.7	10.6	5.6
19	5.7	7.4	7.8	5.6	7.4	10.1	13.4	15.9	14.8	13.7	10.4	5.7
20	5.9	7.4	7.8	5.6	7.5	10.2	13.5	15.9	14.8	13.7	10.3	5.7

St 1--Continued.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	6.0	7.4	7.7	5.6	7.5	10.3	13.6	15.9	14.7	13.7	10.1	5.7
22	6.1	7.5	7.7	5.7	7.6	10.4	13.7	16.0	14.6	13.6	9.9	5.8
23	6.3	7.5	7.7	5.7	7.6	10.6	13.8	16.0	14.5	13.6	9.7	5.8
24	6.4	7.5	7.7	5.8	7.7	10.7	13.9	16.0	14.5	13.6	9.4	5.8
25	6.5	7.5	7.7	5.8	7.8	10.8	14.1	16.0	14.4	13.6	8.9	5.7
26	6.5	7.5	7.6	5.9	7.8	10.9	14.2	16.1	14.4	13.6	8.1	5.7
27	6.3	7.6	7.6	5.9	7.9	11.1	14.3	16.1	14.3	13.5	6.7	5.8
28	6.1	7.6	7.5	6.0	8.0	11.2	14.4	16.1	14.3	13.5	5.9	5.8
29	6.1		7.0	6.0	8.1	11.4	14.5	16.1	14.2	13.4	5.7	5.9
30	6.2		...	6.1	8.2	11.5	14.6	16.1	14.1	13.4	5.6	6.0
31	6.2		...		8.2		14.7	16.0		13.3		6.1

St 392. Murray Babcock. Hermon, lat. 44°28'10", long. 75°13'31". Dug unused water-table well in glacial outwash (?) diameter 36 inches, depth 28 feet. Land-surface datum is about 565 feet above msl. Highest water level 3.18 below lsd, Apr. 15, 1950; lowest 16.19 below lsd, Sept. 17, 1949. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	5.39	Apr. 8	3.37	June 24	8.19	Sept. 16	9.59
14	4.99	15	3.18	July 1	8.97	23	8.36
21	4.36	22	3.69	8	9.64	30	8.97
Feb. 4	3.94	29	4.72	15	10.29	Oct. 7	8.86
11	4.06	May 6	4.94	22	10.84	14	7.76
18	4.65	13	5.18	29	11.52	21	7.57
25	4.74	20	5.59	Aug. 5	12.54	28	6.18
Mar. 4	4.95	24	5.77	12	12.98	Dec. 2	5.79
11	4.18	27	5.97	19	12.96	9	5.57
18	4.33	June 3	6.32	26	11.36	16	5.17
25	4.69	10	7.58	Sept. 2	11.17	23	5.36
Apr. 1	3.43	17	7.93	9	10.35	30	5.31

Schenectady County

Sn 128. City of Schenectady. About 1.3 miles northwest of Schenectady city line, lat. 42°49'26", long. 73°59'22". Dug unused water-table well in glacial outwash, diameter 47 feet, depth 40 feet. Land-surface datum is 241 feet above msl. Highest water level 21.15 below lsd, Mar. 23, 1948; lowest 37.39 below lsd, Feb. 15, 1948. Records available: 1946-50.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.02	33.09	.....	28.09	31.38	31.68	31.82	31.77	29.51	31.84	31.54	30.99
2	31.42	33.35	.....	28.93	30.99	31.69	31.53	32.05	28.68	31.59	31.71	31.72
3	31.67	33.46	.....	29.47	31.00	31.56	31.45	32.15	e29.7	31.47	31.58	32.06
4	31.94	33.47	34.09	29.43	31.02	30.40	31.18	32.27	e30.7	31.40	31.52	31.79
5	32.37	33.25	33.94	27.55	31.01	30.29	31.12	31.66	30.98	31.35	31.43	.....
6	32.18	33.26	34.17	26.90	31.03	30.44	31.31	31.27	32.08	31.40	31.01	28.04
7	31.86	33.09	....	28.22	31.27	30.55	31.32	31.06	32.48	31.47	31.01	29.45
8	31.91	32.93	.....	29.30	31.00	30.99	31.83	31.22	32.31	31.51	31.36	30.04
9	31.66	32.91	.....	30.17	31.26	31.63	32.03	31.58	32.44	31.47	31.56	29.09
10	31.25	32.86	.....	30.66	31.73	31.88	31.89	32.22	31.80	31.53	31.53	29.37
11	29.91	31.66	.....	31.33	31.24	32.15	31.89	32.44	30.43	31.53	31.57	29.98
12	29.44	31.36	.....	31.72	31.01	31.59	31.95	32.27	30.79	31.05	31.46	30.40
13	29.09	31.36	32.63	31.72	31.01	31.52	31.59	32.02	31.63	30.98	31.36	30.54
14	29.07	32.23	.....	32.05	31.65	31.65	31.61	31.62	31.65	31.08	31.67	30.59
15	29.32	32.35	.....	32.18	31.90	31.67	31.53	31.93	31.34	30.74	31.77	30.74
16	30.08	32.19	.....	32.15	31.91	31.89	31.50	31.93	31.45	31.01	32.04	31.15
17	30.24	32.40	33.25	32.45	32.02	32.00	31.29	31.84	30.81	31.14	32.10	31.22
18	31.02	33.00	33.39	32.93	32.02	31.38	31.96	31.97	31.01	31.13	31.88	e31.4
19	31.49	32.91	33.60	33.77	31.37	31.30	.....	32.06	31.58	31.17	31.46	.....
20	31.87	33.49	33.64	33.12	30.89	e31.3	.....	31.09	31.56	31.31	31.41	.....
21	32.15	.....	33.96	31.05	30.85	e31.7	.....	30.88	31.96	31.29	31.74	.....
22	32.23	.....	34.09	31.03	30.94	e31.9	.....	31.26	32.29	31.30	31.05	.....
23	32.23	.....	33.92	31.20	31.08	e32.3	.....	31.55	32.07	31.35	31.09	.....
24	31.95	.....	33.54	31.77	31.42	e32.7	31.74	31.83	31.78	31.47	30.99	.....
25	31.60	.....	33.09	32.37	31.66	32.12	31.87	32.27	31.40	31.71	31.51	31.50

Sn 128--Continued.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	30.90	.....	32.28	32.44	31.90	31.40	32.14	32.43	31.82	31.98	29.68	.....
27	30.79	33.48	31.60	32.71	32.12	31.64	32.22	31.93	31.69	32.15	.....	.....
28	31.14	.....	30.80	32.89	32.46	31.93	32.23	31.41	31.87	32.31	.....	.....
29	31.45	.....	26.25	32.07	31.66	32.05	32.44	31.58	32.06	32.10	.....	.....
30	31.95	.....	24.70	32.23	31.43	32.20	31.64	31.50	31.90	31.42	.....	.....
31	32.60	.....	26.59	.....	31.49	.....	31.58	31.45	.....	31.62	.....	.....

e Estimated.

Schuyler County

Sy 9. Cornell University. Arnot Forest experimental area, lat 42°16'40", long. 76°39'41". Dug unused water-table well in glacial till (?), diameter 39 inches, depth 16 feet. Land-surface datum is about 1,890 feet above msl. Highest water level 1.03 below lsd, Mar. 22, 1948; lowest 9.09 below lsd, Aug. 11, 1949. Records available: 1946-50.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Jan.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	3.81	.....	6.41	6.23	8.62	8.58	6.34	7.70	7.86
2	3.99	.....	6.35	5.78	8.70	8.40	3.53	7.88	7.95
3	3.83	.....	6.28	5.36	8.73	8.33	3.38	7.98	8.08
4	3.38	.....	6.10	3.51	8.65	8.41	3.69	8.06	.....
5	3.31	.....	5.90	3.33	8.55	8.53	4.01	8.19	.....
6	2.71	.....	5.88	3.80	8.59	8.65	4.29	8.32	.....
7	2.36	.....	5.99	4.21	8.70	8.78	4.55	8.44	.....
8	2.41	.....	6.22	4.54	8.80	8.86	4.81	8.50	.....
9	2.68	.....	6.42	4.87	8.85	8.90	5.06	8.47	.....
10	2.89	.....	6.54	5.10	8.88	8.93	5.20	6.60	.....
11	2.43	.....	6.74	5.58	8.89	8.93	5.36	2.36	.....
12	2.75	.....	6.99	5.97	8.90	8.94	5.28	2.35	.....
13	3.25	.....	7.16	6.37	8.90	8.95	4.84	2.41	.....
14	3.10	.....	7.35	6.62	8.71	8.96	4.03	2.54	.....
15	3.17	.....	7.50	6.91	8.73	8.97	3.52	2.97	.....
16	.....	.....	7.67	7.19	8.84	8.97	3.15	3.40	.....
17	.....	4.58	7.81	7.41	8.90	8.98	3.22	3.77	.....
18	.....	4.54	7.73	7.63	8.91	8.99	3.53	4.11	.....
19	.....	4.66	7.62	7.80	8.92	8.67	3.82	4.39	.....
20	.....	4.73	7.67	7.97	8.79	7.26	4.16	4.70	.....
21	.....	4.73	7.76	8.13	8.30	6.97	4.50	5.02	.....
22	.....	4.84	7.83	8.32	8.15	6.80	4.77	5.34	.....
23	.....	4.85	7.86	8.44	8.15	6.57	5.05	5.65	.....
24	.....	5.00	7.85	8.41	8.23	6.35	5.47	5.99	.....
25	.....	5.15	7.84	8.38	8.31	6.21	5.82	6.27	.....
26	.....	5.32	7.85	8.50	8.43	6.22	6.26	6.61	.....
27	.....	5.56	7.86	8.55	8.54	6.34	6.66	6.96	.....
28	.....	5.84	7.29	8.62	8.61	6.48	7.01	7.19	.....
29	.....	6.14	6.95	8.65	8.67	6.57	7.29	7.39	.....
30	.....	6.37	6.77	8.57	8.72	6.90	7.51	7.56	.....
31	.....	.....	6.61	.....	8.77	7.66	.....	7.72	.....

Steuben County

Sb 200. Calkins. About 1.3 miles west of Woodhull, lat. 42°05'34", long. 77°25'18". Dug unused water-table well in glacial till, diameter 24 inches, depth 16 feet. Land-surface datum is about 1,420 feet above msl. Highest water level 4.34 below lsd, Dec. 30, 1950; lowest 13.80 below lsd, Dec. 24, 1949. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	10.38	Apr. 3	6.75	June 17	9.23	Aug. 27	7.27
16	8.27	10	6.61	28	10.14	28	7.99
22	7.36	16	6.22	July 2	10.26	Sept. 3	7.36
31	6.84	23	5.92	10	10.31	10	7.17
Feb. 6	6.87	30	5.95	17	10.54	17	6.78
11	7.10	May 6	6.96	19	10.84	24	6.05
28	9.59	14	6.82	22	10.87	28	7.99
Mar. 7	9.25	21	6.14	31	11.03	Oct. 7	5.66
13	8.91	29	7.07	Aug. 6	10.11	15	5.32
19	8.84	June 4	7.60	14	9.20	22	5.29
26	7.63	11	8.27	20	8.27	29	5.24

Sb 200--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 4	5.40	Nov. 26	5.22	Dec. 10	5.49	Dec. 23	4.58
10	5.31	Dec. 2	5.44	16	5.55	30	4.34
18	5.26						

Sb 240. Corning Glass Works. West Market St., Corning, lat 42°08'37", long. 77°03'18". Drilled unused water-table (?) well in glacial outwash, diameter 10 inches, depth 78 feet. Land-surface datum is about 940 feet above msl. Highest water level 21.2 below lsd, Apr. 3, 1950; lowest 29.4 below lsd, Aug. 14, 1950. Records available: 1943-50.

Jan. 3	27.4	Apr. 3	21.2	July 3	28.1	Oct. 2	29.1
9	25.5	10	22.8	10	28.3	9	27.8
16	25.7	17	24.4	17	28.3	16	25.8
23	26.3	24	25.2	24	28.0	23	27.1
30	26.0	May 1	25.1	31	28.5	30	27.5
Feb. 6	26.5	8	25.0	Aug. 7	28.9	Nov. 6	25.1
13	26.7	15	25.8	14	29.4	13	26.3
20	26.4	22	25.5	21	27.8	20	27.1
27	26.4	29	26.1	28	28.8	27	22.8
Mar. 6	26.7	June 5	25.2	Sept. 5	27.5	Dec. 4	22.9
13	25.1	12	26.4	11	28.5	11	23.4
20	25.6	19	27.0	18	28.4	18	25.4
27	24.3	26	27.7	25	28.3	25	25.8

Washington County

W 264. Village of Salem. New route 22, Salem, lat. 43°10'27", long. 73°19'43". Dug emergency fire water-table well in glacial gravel, diameter 36 inches, depth 15 feet. Land-surface datum is about 490 feet above msl. Highest water level 7.54 below lsd, Jan. 3, 1949; lowest 11.15 below lsd, Sept. 27, 1948. Records available: 1946-50.

Jan. 2	10.04	Apr. 3	8.65	July 3	10.47	Oct. 2	10.62
9	9.79	10	8.82	10	10.56	9	10.68
16	9.44	17	9.26	17	10.58	16	10.79
23	9.37	24	9.35	24	10.69	23	10.87
31	9.39	May 1	9.54	31	10.80	30	10.98
Feb. 6	9.40	8	9.89	Aug. 7	10.97	Nov. 6	10.96
13	9.75	15	10.07	14	11.00	13	10.88
20	9.91	22	10.14	21	11.02	20	10.69
27	9.95	29	10.29	28	11.03	27	10.49
Mar. 6	9.85	June 5	10.19	Sept. 4	10.02	Dec. 4	9.79
13	9.17	12	10.16	11	10.22	11	9.27
20	9.45	19	10.13	18	10.40	18	9.49
27	9.09	26	10.39	25	10.46	26	9.93

Wayne County

Wn 29. Town of Marion. Near 55 Mill Street, Marion, lat 43°08'14", long. 77°11'19". Drilled unused artesian well in Lockport dolomite, diameter 8 inches, depth 107 feet. Land-surface datum is about 460 feet above msl. Highest water level 10.13 below lsd, Mar. 30, 1950; lowest 21.31 below lsd, Aug. 25, 1949. Records available: 1947-50.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.29	17.83	17.61	15.97	19.05	18.92	19.01	19.25	19.50	19.78	18.95	18.14
2	18.24	17.74	17.70	17.29	19.06	18.97	18.98	19.22	19.49	19.78	18.98	18.14
3	18.14	17.83	17.80	17.77	19.04	18.86	18.98	19.23	19.49	19.77	19.05	18.01
4	18.16	17.83	17.87	18.01	19.05	18.82	18.97	19.27	19.48	19.81	18.77	17.77
5	18.27	17.90	17.72	18.10	19.06	18.87	18.98	19.30	19.57	19.87	18.40	17.87
6	18.19	17.78	17.80	18.37	19.05	18.91	18.96	19.35	.....	19.92	18.35	17.95
7	18.15	17.88	17.71	18.52	19.13	19.00	19.01	19.40	.....	19.92	18.39	17.90
8	18.26	17.93	17.53	18.55	19.23	19.02	19.07	19.42	.....	19.87	18.33	17.71
9	18.11	17.71	17.51	18.72	19.16	19.03	19.11	19.43	.....	19.52	18.31	17.66
10	18.02	17.76	17.59	18.75	19.09	18.90	19.14	19.46	19.60	19.20	18.38	17.68
11	18.02	17.71	17.52	18.65	19.21	18.98	19.06	19.5	19.64	19.02	18.39	17.62
12	17.99	17.75	17.51	18.74	19.18	19.05	19.01	19.6	19.68	18.83	18.42	17.67
13	17.90	17.77	17.39	18.81	19.11	19.04	18.96	19.65	19.67	18.77	18.40	17.75
14	17.81	17.60	17.48	18.87	19.16	19.02	19.00	19.69	19.62	18.77	18.46	17.80
15	17.93	17.54	17.49	18.92	19.16	19.07	19.04	19.68	19.59	18.80	18.45	17.81

Wn 29--Continued.

Daily noon water level, in feet below land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	17.85	17.47	17.54	18.95	19.18	19.03	19.03	19.67	.....	18.82	18.35	17.86
17	17.89	17.48	17.50	18.91	19.16	19.01	19.02	19.75	e19.7	18.81	18.37	17.89
18	17.77	17.53	17.51	18.98	19.17	19.04	18.98	19.86	.....	18.82	18.41	17.92
19	17.90	17.42	17.67	18.98	18.83	18.98	19.07	19.70	.....	18.79	18.40	17.96
20	17.99	17.56	17.66	18.94	18.78	18.98	19.06	19.63	.....	18.85	18.21	17.99
21	17.94	17.56	17.57	18.95	18.78	19.03	19.11	19.59	.....	18.87	18.24	18.03
22	18.89	17.47	17.55	19.00	18.80	19.08	19.15	19.62	.....	18.90	18.26	17.93
23	17.90	17.45	17.24	18.91	18.82	19.05	19.20	19.65	19.51	18.87	18.28	17.95
24	17.83	17.49	17.23	18.99	18.95	18.91	19.18	19.71	19.60	18.94	18.29	17.84
25	17.73	17.64	17.17	18.99	18.87	18.86	19.13	19.74	19.64	18.91	18.17	17.93
26	17.70	17.63	17.17	19.00	18.94	18.82	19.15	19.78	19.67	19.03	17.98	17.97
27	17.82	17.69	16.93	19.04	19.00	18.85	19.18	19.75	19.68	19.04	18.01	18.05
28	17.79	17.69	16.59	19.11	18.92	18.89	19.20	19.69	19.69	19.03	18.04	18.04
29	17.69		16.79	19.15	18.90	18.92	19.19	19.63	19.75	19.00	17.96	18.02
30	17.87		10.13	19.16	18.94	18.94	19.21	19.67	19.77	18.94	18.03	18.01
31	17.73		11.85		18.96		19.25	19.61		18.97		18.02

e Estimated.

Wyoming County

Wo 1. State Dept. of Conservation. In Letchworth State Park, about 2.5 miles east of Castile, lat. 42°37'39", long. 78°00'03". Dug unused water-table well in glacial till, diameter 24 inches, depth 14 feet. Land-surface datum is about 1,030 feet above msl. Highest water level 0.5 below lsd, Apr. 5, 1947; lowest 12.46 below lsd, Dec. 10, 1949. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	11.25	Apr. 8	2.52	July 8	6.37	Oct. 8	9.85
14	8.44	15	3.41	16	6.70	15	5.47
21	6.08	22	3.82	23	6.69	29	5.14
29	4.31	29	3.91	24	6.64	Nov. 5	1.49
Feb. 4	4.58	May 6	3.50	30	6.93	11	3.18
11	3.28	13	3.94	Aug. 6	7.75	18	3.47
18	2.45	20	4.21	13	8.49	25	3.05
25	3.08	27	4.37	20	8.95	Dec. 2	2.94
Mar. 4	3.82	June 3	4.61	27	9.00	9	2.19
11	2.00	11	4.87	Sept. 3	9.51	16	3.26
18	2.64	17	5.07	10	9.65	23	3.48
25	1.25	24	5.05	24	9.55	30	2.95
Apr. 1	2.26	July 1	5.93	Oct. 1	9.68		

OHIO

By E. J. Schaefer and R. E. Marzluf

Scope of Water-Level Program

The observation-well program was continued in 1950 in cooperation with the Division of Water, Ohio Department of Natural Resources, the Ohio State University Experiment Station, the Commissioners of Hamilton County and the city of Canton. The program included collection of water-level data by means of a State-wide network of observation wells, county surveys of ground-water conditions, and pumping tests to determine the physical properties of various aquifers. In 1950 recording gages were operated on 120 wells; periodic measurements were made in 38 other wells.

Precipitation

Precipitation, averaging 47.53 inches, was the second largest amount ever to be recorded in Ohio. January was excessively wet, and November produced the second heaviest snowfall on record. January was the second wettest month in a 68-year record with 8.38 inches. In February, average precipitation of 4.23 inches was two-thirds greater than normal.

Interpretation of Water-Level Fluctuations

Water levels rose at the beginning of 1950 in most observation wells remote from heavy pumping. In general, these rises started in November and December 1949, as a result of precipitation at the end of the growing season. These rises occurred over a wide area and, within a month or two, the water levels in many observation wells had risen more than they had declined in the previous 8 or 9 months. Peak levels in 1950 were from about February 15 to July 1 in most wells. The declines of ground-water levels during the growing season were less in 1950 than in 1949, because of heavy rains in June and July. Above-normal rainfall in September terminated the seasonal declines in most observation wells. At the end of the year rises were caused by recharge from melting snow. Ground-water levels in wells in Ohio, unaffected by heavy pumping, were higher at the end of 1950 than at the end of 1949.

Figure 12 shows fluctuations of water levels in wells Fr-10 and Fr-12 in Franklin County.

A new well field was completed in May 1950 by the city of Columbus in the Nelson Park area. Four large-diameter wells were constructed, one equipped with a 1,000 g.p.m. pump and the other three with 1,500 g.p.m. pumps. The well field is near the west side of a broad buried valley trending north and south. Bedrock is encountered at a depth of 120 feet. The water-bearing gravels are covered with 40 feet of clay, producing an artesian condition locally. The wells are pumped only part of the year. The effect of pumping is readily apparent in the record for observation well Fr-12 shown in figure 12. The total pumpage in the well field is given for part of June, all of July and August, and part of September.

Figure 13 shows water levels in wells in Auglaize, Delaware, and Fairfield Counties.

The hydrograph for well Lu-1 in figure 14 shows fluctuations of ground-water levels before and after seasonal heavy pumping was started from a deep dolomite aquifer in the Toledo area. Pumping will be from storage for a long period, because the intake area of the aquifer is 14 miles distant. The declining trend in the record for well Lu-1 tends to support this reasoning.

Fluctuations of water levels in observation wells in heavily pumped areas varied greatly, depending on pumping rates and recharge conditions. Figure 15 shows fluctuations of ground-water levels in Middletown, Butler County. The heavy pumping is from gravels in a preglacial valley. Pumping in the vicinity of well 25-5 averages close to 20 million gallons a day. Recharge under pumping conditions is induced by infiltration from the Miami River. It was necessary to remove the recording gage from well 25-5, while construction was in progress at the city water works in 1950. However, the general trend of the record from 1941 to 1950 shows that the recharge induced in that period has been adequate to balance the pumpage. Except for seasonal variations, the record follows an even trend. The record for well 36-13 (American Rolling Mill Company) shows a different pattern. This well is in the southeastern part of the city at a greater distance from recharge areas. Recharge fluctuations are almost entirely suppressed, and a close correlation exists between variations in pumping rates and water-level fluctuations.

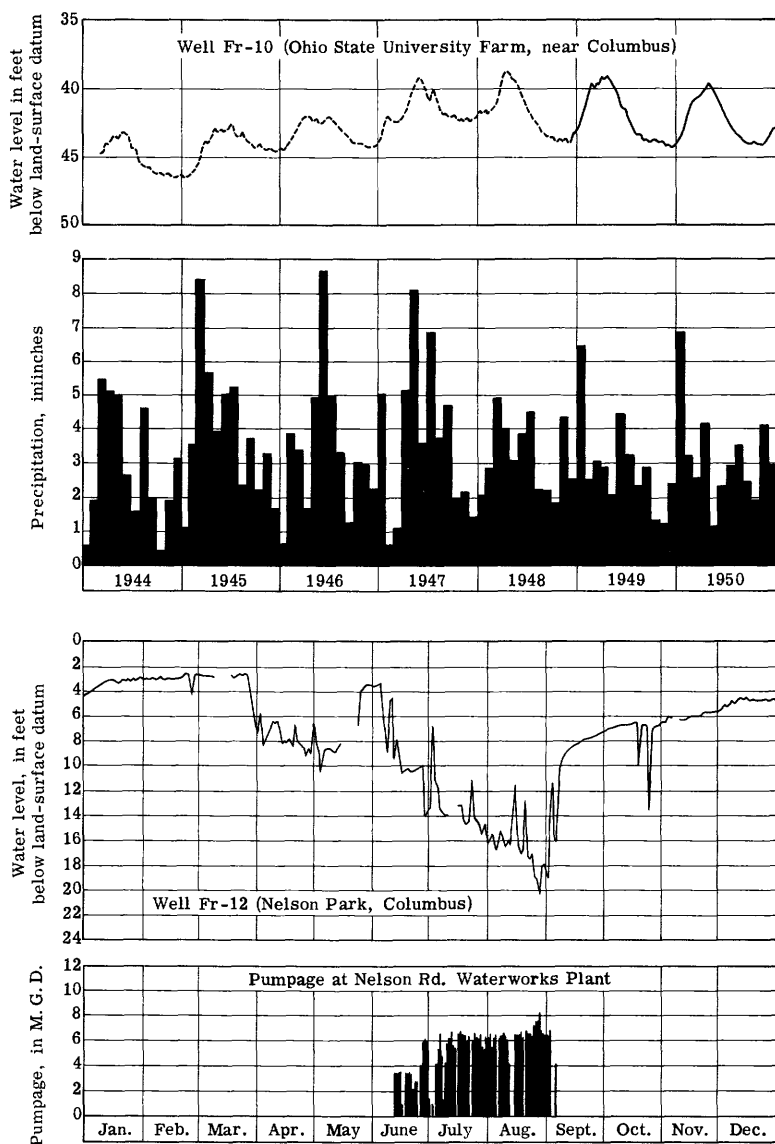


Figure 12. --Water levels in observation wells, precipitation at Columbus, and pumpage at Columbus Nelson Rd. waterworks plant, Franklin County, Ohio.

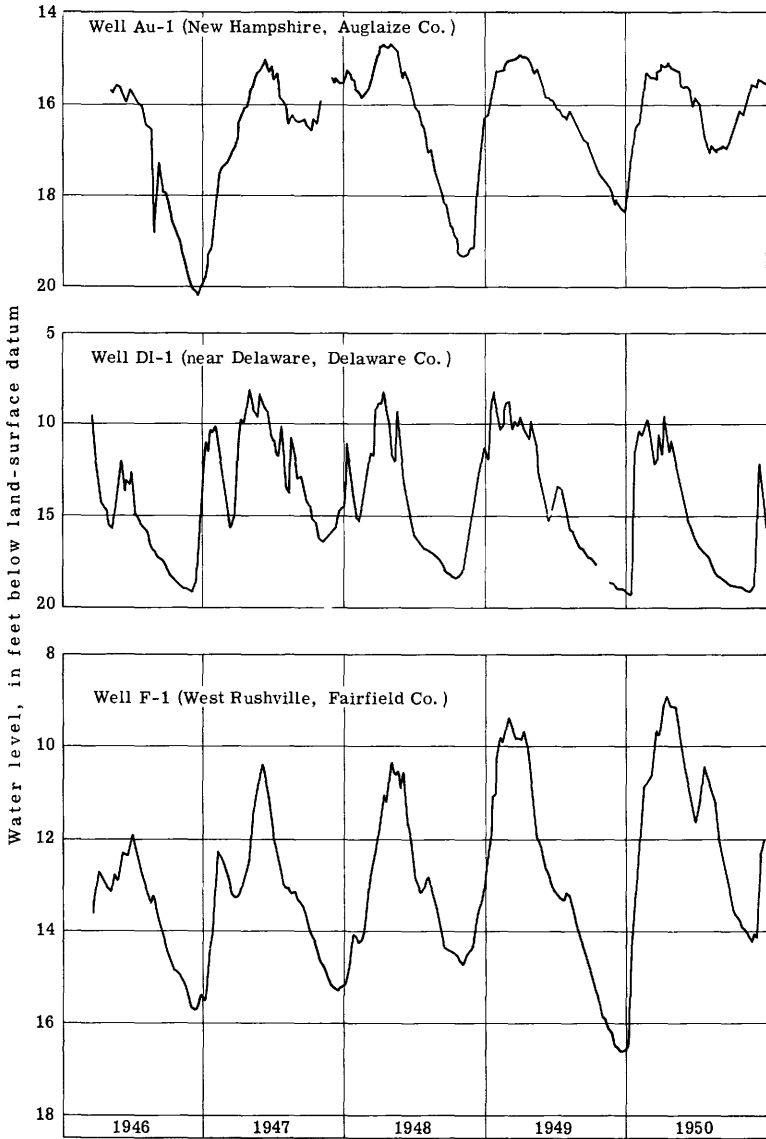


Figure 13. --Water levels in observation wells in Auglaize, Delaware, and Fairfield Counties, Ohio.

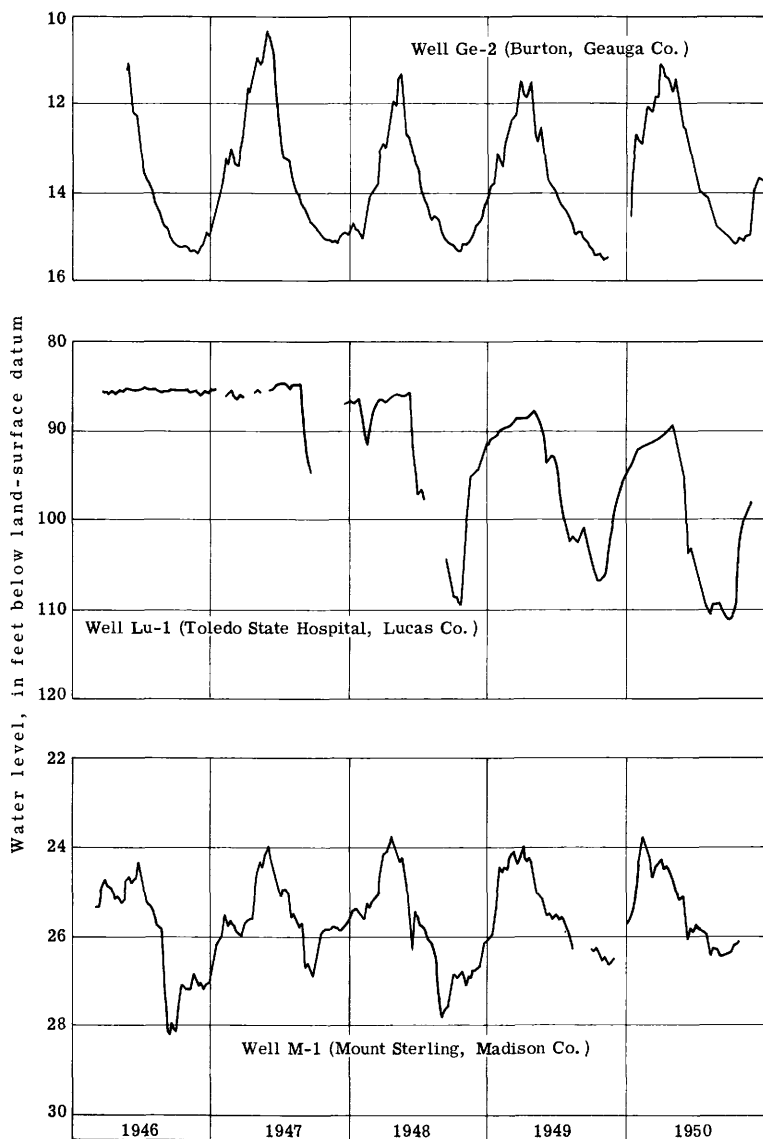


Figure 14. --Water levels in observation wells in Geauga, Lucas, and Madison Counties, Ohio.

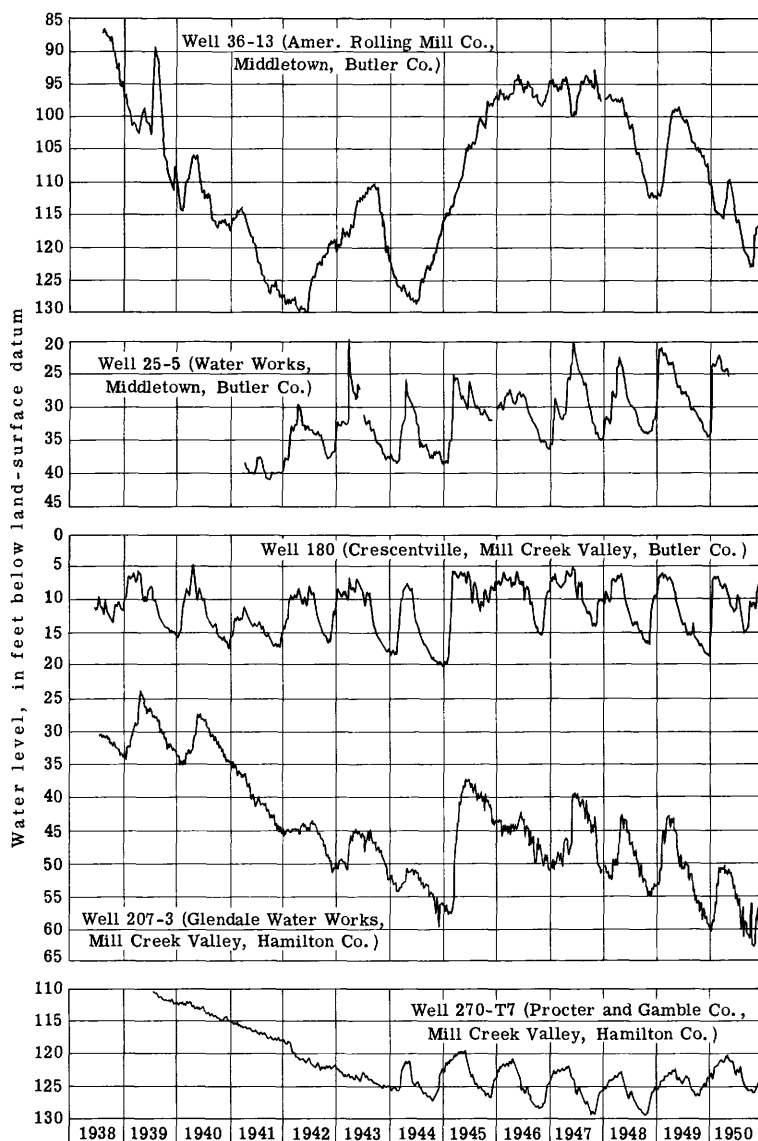


Figure 15. --Water levels in observation wells in Butler and Hamilton Counties, Ohio.

Because of the long distances to the areas in the northwestern and southwestern parts of the city, where the river crosses buried valley gravels, the water level at well 36-13 is drawn down a greater amount below the surface than in the vicinity of well 25-5. This greater lowering occurs under much less pumping, 5 to 9 million gallons a day, than in the northwestern part of the city, where the pumpage averages close to 20 million gallons a day. Figure 15 shows the differences in trends of ground-water levels in different parts of Mill Creek valley. The record for well 180 is characteristic of records obtained in the northern part of the valley where water levels are only slightly affected by pumping, mainly in dry periods when ground-water levels are lowered below the level of Mill Creek. The seasonal fluctuations are similar to those in wells in most unpumped areas throughout Ohio. Peak levels in 1950 were about the same as in 1949. However, the lowest levels reached in the summer months were several feet higher than in 1949, and the lowest weekly water level at the end of 1950 was almost 10 feet higher than at the end of 1949.

South from well 180 in Hamilton County, the first heavily pumped area is immediately north of Lockland. The municipal water plants of Lockland and the village of Glendale pump water from this area. Several industries also pump ground water in the area. Beginning in 1938, the record for well 207-3 shows a steady decline, except for seasonal fluctuations, until early in 1945, when exceptional flood conditions in the Mill Creek valley produced a rise in the ground-water level of almost 20 feet. Since 1945, net declines in the water level in well 207-3 have been recorded. The water level at the end of 1950 was only slightly lower than at the end of 1949. The lowest level of record occurred at the end of October in 1950. From Lockland south, the gravels in the Mill Creek valley are overlain by relatively impermeable glacial till which, to a large extent, excludes recharge. Pumping has, therefore, produced a down gradient of the piezometric surface from the recharge area north of Lockland south to the Norwood trough at Cincinnati. At Ixcrydale, at the north city limits of Cincinnati, the record for well 270-T7 shows that the ground-water level has fluctuated between 120 and 130 feet below the surface. A decline of about 25 feet occurred in the years 1939 and 1944. At that time, the Procter and Gamble Company started using water from the Cincinnati municipal water supply in the winter. The company has been able to quit pumping its wells each winter, and water levels have, therefore, followed an even trend, except for seasonal variations caused by pumping. The lowest level of record in well 270-T7 occurred in 1948. The lowest level in 1950 was about 4 feet higher than in 1948.

Hydrographs of water-level records in five wells in the Canton area, wells St-3, St-7,

St-4, St-5 and St-5A are shown in figures 16 and 17. The largest concentrations of pumping in and near Canton are in the business and industrial sections of the city proper, the northeast well field in the valley of Middle Branch of Nimishillen Creek, and at the northwest well field along West Branch of Nimishillen Creek. Water supplies in these sections of the Canton area are pumped mostly from glacial gravels in buried valleys, which are more than 200 feet deep in some places. Trends of ground-water levels in the city proper have improved greatly since 1945, when conservation measures were taken to permit re-use of water and therefore to reduce the total amount of water needed. The municipal water department in 1948 reduced its pumping in the city proper on completion of the northwest well field development. The hydrographs for wells St-3 and St-7 show steady rises of 20 to 30 feet in the period 1945 through 1950, as a result of these reductions in pumpage. The net rise in well St-3 was 3.24 feet in 1950, and in well St-7, 4.98 feet. The hydrograph for well St-11 (fig. 16) shows trends that are typical in the gravel aquifer along West Branch of Nimishillen Creek. The major portion of the recharge, under pumping conditions, is derived by induced recharge from the West Branch of Nimishillen Creek. Before pumping started in 1948, the record shows that the water level stood fairly close to the surface. A sharp drop occurred for several months after pumping started. Since that time, the water level has fluctuated largely in the range of 20 to 30 feet below the surface. It dropped below the 30-foot level in the last half of 1949 and rose above the 20-foot level in the summer months of 1950, following a period of high stream flow in the spring. Recharge has been more than adequate to balance the amount of water pumped. The city of Canton has pumped wells for municipal water supply in the Middle Branch valley of Nimishillen Creek for many years. Observation wells in the area have been measured since 1941. Well St-5, used as an observation well until 1949 and well St-5A which now replaces it, are in the immediate vicinity of the production wells. The hydrograph shows conclusively that recharge has been adequate to supply the amount of water pumped. A record low level occurred on December 3, 1949, but reduced pumping and favorable recharge produced a record high level by March 10, 1950. The hydrograph for well St-4 (fig. 16), about 1.7 miles north of the well field, gives a better picture of recharge conditions in the valley gravels than the hydrograph for wells St-5 and St-5A because most of the pumping fluctuations are suppressed. Careful study of the hydrograph and the pumpage and precipitation records show precipitation causes recharge primarily in the nongrowing season. This effect is somewhat indirect because, under pumping conditions, a high percentage of the ground-water recharge is received from stream flow. However, heavy precipitation in the nongrowing season produces much greater stream flow than in the growing season. This may be seen by comparing the large rise in the water level that occurred as a result of precipitation in January 1950 to the small rise produced by an almost equal amount in June 1950.

The hydrographs of wells Mt-2 and Mt-3 in figure 17 are representative of the Dayton area, Montgomery County. Dayton lies at the junction of the Mad and Miami Rivers. Both rivers in the vicinity upstream from the junction, and the Miami River below the junction, traverse buried

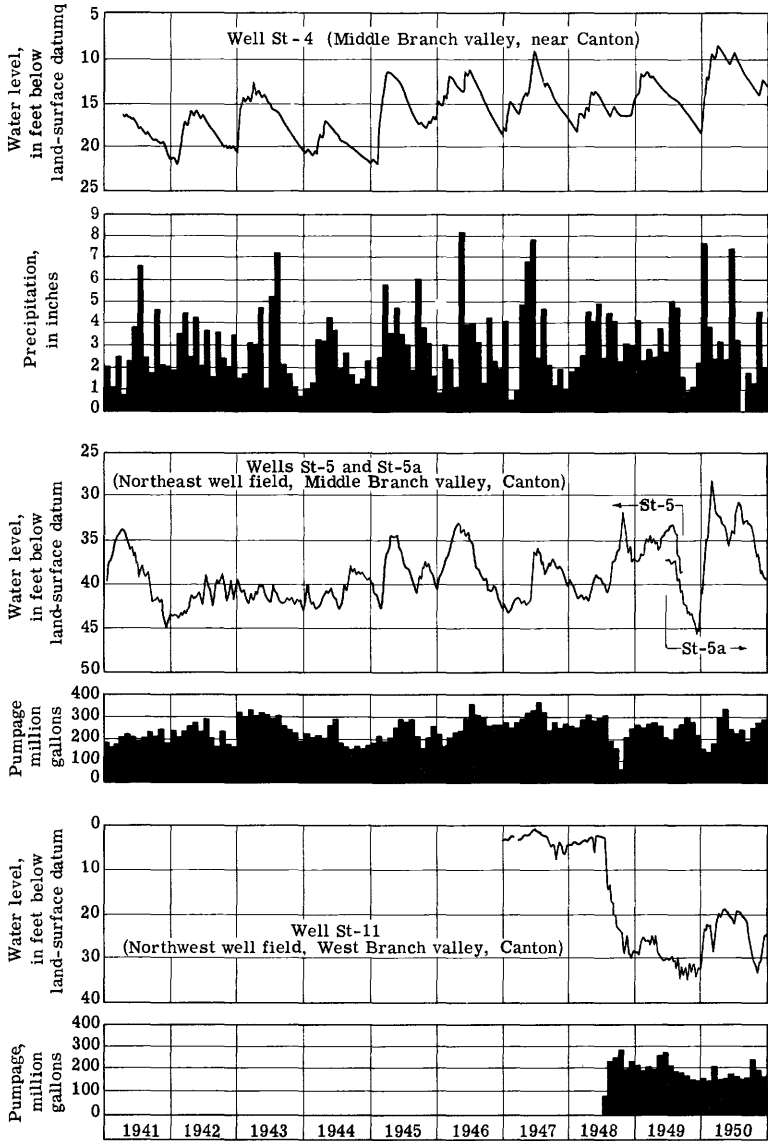


Figure 16. --Water levels in observation wells, precipitation at Canton, and pumpage at city of Canton Northeast and Northwest well fields, Stark County, Ohio.

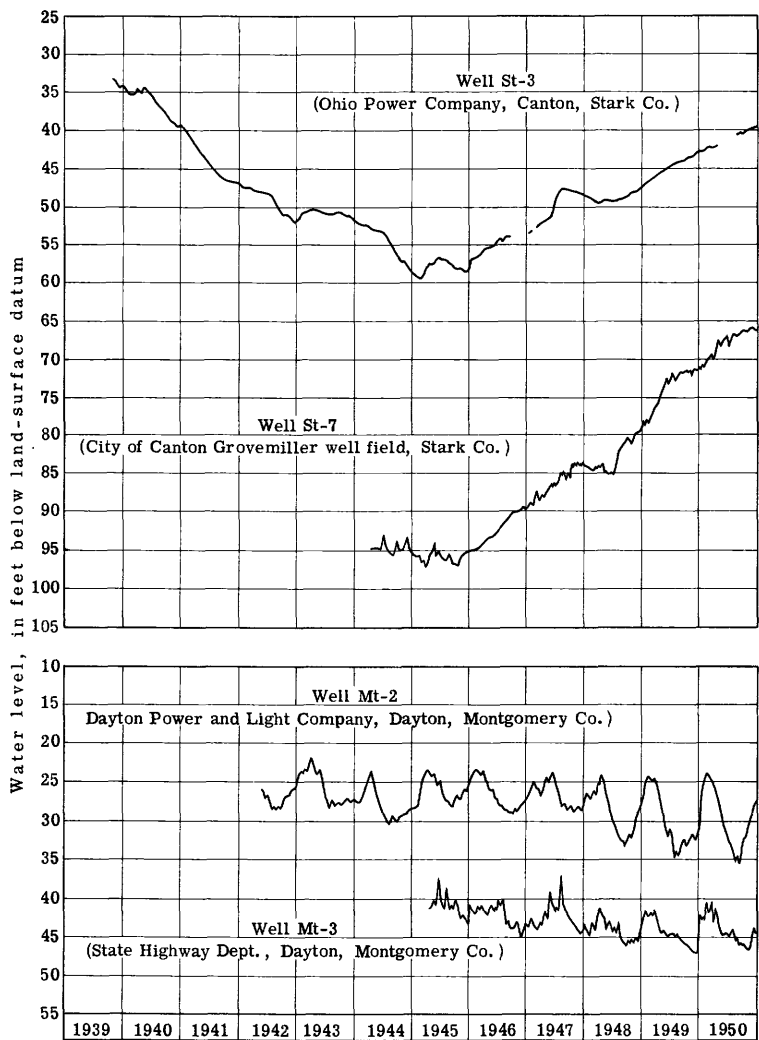


Figure 17. --Water levels in observation wells in Stark and Montgomery Counties, Ohio.

valleys filled with permeable gravels of glacial origin. Approximately 91 million gallons a day of ground water were pumped from the gravels in the Dayton area in 1947. About 50 million gallons were pumped by industries and about 41 million gallons by the city of Dayton at its Rohrer's Island well field. However, there has been a steady increase in municipal and industrial pumpage since 1947 at Dayton, and the present average is believed to be about 120 million gallons a day. In spite of the heavy pumping in the Dayton area, serious downward trends are not shown by the observation-well records. Practically all the records show trends similar to those in the hydrographs for wells Mt-2 and Mt-3 in figure 17. In the last 3 years, the lowest levels have been lower than in previous years of record, but the peak levels are about the same each year. The major portion of the recharge to the glacial gravels in the Dayton area is induced from the Miami and Mad Rivers by pumping in the area. Heavier pumping has produced lower ground-water levels in periods of low stream flow, but the steeper ground-water gradients caused by the heavier pumping have induced greater amounts of recharge from the rivers in high flow periods. The pumping is therefore approximately balanced by the recharge each year as in former years.

Well-Numbering System

The observation wells for which records are given in this report, with the exception of those in the Mill Creek Valley and Miami Valley areas of Butler and Hamilton Counties, are identified by a letter followed by a number. The same letter is used for all the wells in a particular county. The wells in Butler and Hamilton Counties are identified by numbers as given in Water-Supply Paper 999.

Well Descriptions and Water-Level Measurements

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

Allen County

Al -1. Standard Oil Co. of Ohio. Lima. Lat. 40°42'12", long. 84°07'06". Drilled unused well in dolomite, diameter 10 inches, depth 320 feet. Highest water level 98.70, Sept. 22, 1946; lowest 152.28, July 6, 1950. Records available: 1946-50. Measurement discontinued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
1	146.31	148.07	.....	148.59	148.92	151.29	149.17
2	146.80	148.09	.....	148.15	149.70	151.58	147.25
3	147.43	148.53	.....	.....	149.36	151.35	148.16
4	147.60	148.09	.....	149.13	150.14	150.55	146.50
5	147.61	145.80	.....	.....	149.84	151.20	151.89
6	147.20	148.35	.....	.....	149.02	150.90	152.28
7	146.60	148.00	.....	.....	147.06	147.55	152.22
8	143.75	147.90	149.46	.....	147.06	151.71	152.07
9	142.05	146.54	149.58	.....	144.61	151.85	151.62
10	142.47	147.33	149.74	.....	141.02	151.65	151.96
11	144.24	147.63	149.30	149.52	139.29	150.98	152.05
12	143.75	147.46	.....	149.03	138.07	151.60	152.02
13	141.58	146.20	.....	149.67	137.30	152.00	152.12
14	141.46	147.51	149.36	149.60	137.10	151.98	152.10
15	137.24	147.67	149.39	149.29	.....	151.63	152.10
16	145.30	147.83	149.02	.....	143.16	151.43	151.40
17	145.30	148.00	.....	.....	144.95	151.27	151.53
18	145.98	147.97	.....	149.06	145.95	149.23	151.58
19	145.92	147.66	.....	148.07	146.30	150.77	151.66
20	146.21	147.09	.....	147.56	142.90	151.61	151.97
21	145.21	147.57	149.31	144.90	140.53	150.46	151.80
22	143.28	.....	149.43	.....	144.69	150.17	151.58
23	143.98	.....	149.63	.....	147.55	150.58	151.10
24	144.71	.....	149.56	.....	146.92	150.34	150.65
25	144.66	.....	149.25	149.56	147.87	149.53	151.41
26	145.02	.....	148.80	150.16	146.92	150.68	152.17
27	144.51	.....	149.04	149.55	144.92	150.76	.....
28	143.90	.....	148.64	148.86	139.00	150.51	.....
29	144.94	.....	148.92	148.90	148.39	150.23	.....
30	145.31	.....	148.69	148.90	147.88	151.28	.....
31	147.38	.....	148.69	.....	151.21	.....	.....

Ashland County

As -1. Faultless Rubber Co., Ashland. Lat. 40°52'30", long. 82°18'48". Drilled unused well in shale, diameter 8 inches, depth 77 feet. Highest water level 17.90, Feb. 19, 1950; lowest 41.50, Jan. 5, 1949. Records available: 1947-50.

As-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.57	20.60	.....	18.22	24.00	.....	.....	22.62	27.63	22.41	.....
2	.....	.....	.....	26.20	24.58	.....	.....	21.80	28.24	23.02	.....
3	.....	20.80	.....	23.90	22.00	.....	.....	.....	29.46	23.17	.....
4	22.53	20.80	.....	25.44	20.68	19.66	.....	.....	31.17	22.42	.....
5	22.45	19.70	.....	22.20	21.61	19.74	26.18	36.28	31.79	.....	.....
6	22.20	19.90	.....	21.98	21.05	20.12	25.35	35.38	31.67	.....	.....
7	21.86	19.90	.....	19.88	21.80	28.60	26.92	33.75	30.55	.....	.....
8	21.00	20.30	.....	20.80	21.50	29.62	26.70	33.73	25.45	23.02	.....
9	21.00	20.20	.....	21.35	29.30	22.35	25.65	30.85	26.91	23.25	.....
10	21.20	20.10	.....	21.20	26.50	22.35	.....	28.20	25.80	22.94	.....
11	21.25	19.80	28.60	21.35	20.70	25.85	.....	28.86	24.93	22.32	.....
12	34.72	19.20	28.60	21.10	28.40	25.62	22.40	30.64	26.00	.....	.....
13	33.60	19.10	26.10	21.05	27.97	.....	22.00	29.50	25.67	.....	.....
14	31.20	19.00	25.90	19.60	25.30	.....	22.90	29.50	24.90	.....	.....
15	23.55	19.70	22.70	20.30	24.00	28.00	23.05	29.99	.....	.....	.....
16	25.60	19.80	20.10	.....	22.94	26.70	25.38	29.97	22.60	.....	.....
17	26.90	19.50	19.80	.....	22.70	28.10	25.38	26.43	22.54	.....	.....
18	26.40	19.20	19.70	.....	20.75	31.45	24.78	29.44	22.47	.....	.....
19	22.35	17.90	21.30	22.26	22.00	31.44	24.75	31.34	22.50	.....	.....
20	22.70	18.70	21.30	21.80	23.68	30.98	22.00	32.33	.....	.....	.....
21	22.70	18.70	20.90	21.52	23.50	31.63	25.75	32.07	.....	.....	.....
22	21.00	18.60	20.30	21.48	22.45	30.23	26.80	31.62	22.40	.....	.....
23	21.00	18.20	18.60	21.51	21.35	23.28	26.98	31.62	22.24	.....	.....
24	21.10	18.00	18.60	.....	21.29	31.30	27.88	27.31	22.49	.....	.....
25	21.00	.....	18.50	.....	20.00	.....	28.70	28.77	22.68	.....	.....
26	23.80	.....	19.60	.....	22.37	.....	27.20	28.13	22.79	.....	.....
27	23.90	.....	19.34	.....	22.40	32.53	22.66	28.10	22.70	.....	.....
28	22.60	.....	19.28	.....	21.27	32.00	23.75	28.65	22.26	.....	.....
29	20.00	.....	18.96	20.60	20.50	30.34	26.25	28.53	.....	22.80	.....
30	21.70	.....	18.36	19.80	19.97	24.80	25.27	29.18	.....	22.80	.....
31	21.80	.....	.....	24.20	.....	31.87	22.60	.....	22.21	22.73	.....

Ashtabula County

Ab-1. K. K. Tisch. Lat. 41°41'12", long. 80°46'54". Drilled unused well in shale, diameter 4 inches, depth 40 feet. Highest water level 4.90, June 8, 1947; lowest 11.07, Nov. 22, 1949. 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	8.88	7.07	6.56	6.20	5.82	6.74	7.79	7.83	8.57	7.48	....	6.14
2	8.73	7.05	6.77	6.64	5.82	6.82	7.79	7.82	8.46	7.53	....	6.14
3	8.49	7.10	6.93	5.99	5.77	6.78	7.79	7.82	8.34	7.53	....	6.02
4	8.40	7.18	7.00	5.94	5.71	6.72	7.76	7.83	8.20	7.53	....	5.95
5	8.46	7.19	6.97	6.00	5.69	6.70	7.75	7.84	8.21	7.63	....	6.10
6	8.45	7.08	6.92	6.15	5.83	6.74	7.79	7.85	8.24	7.66	....	6.10
7	8.15	7.16	6.91	6.15	5.95	6.83	7.85	7.95	8.23	7.71	7.34	6.06
8	8.30	7.17	6.63	6.09	6.10	6.86	8.00	7.96	8.17	7.71	7.32	5.92
9	8.08	6.99	6.77	6.12	6.10	6.86	8.01	7.97	8.12	7.71	7.20	5.92
10	7.89	6.98	6.88	6.12	5.89	6.81	8.02	7.97	8.08	7.63	7.11	5.90
11	8.01	6.98	6.85	5.89	5.96	6.80	8.32	8.04	8.07	7.63	7.12	5.87
12	8.01	7.01	6.61	5.89	5.96	6.88	8.32	8.12	8.08	7.59	7.12	6.09
13	7.81	7.01	6.60	5.98	5.88	6.88	8.31	8.20	8.07	7.61	7.12	6.23
14	7.59	6.85	6.57	6.05	5.77	6.90	8.36	8.22	8.07	7.61	7.08	6.28
15	7.59	6.64	6.56	6.07	5.80	6.96	8.10	8.22	7.87	7.58	7.04	6.43
16	7.59	6.64	6.56	6.08	5.97	6.96	8.10	8.23	7.68	7.57	6.95	6.51
17	7.59	6.73	6.50	6.06	6.02	7.07	8.10	8.30	7.57	7.54	6.78	6.61
18	7.38	6.73	6.56	5.93	6.09	7.11	8.17	8.31	7.56	7.39	6.79	6.66
19	7.51	6.68	6.69	5.94	6.17	7.10	8.20	8.30	7.37	7.30	6.78	6.59
20	7.59	6.80	6.69	5.94	6.30	7.07	8.06	8.39	.....	7.19	6.71	6.65
21	7.58	6.80	6.51	6.00	6.34	7.24	8.04	8.40	.....	7.19	6.54	6.63
22	7.33	6.56	6.51	6.07	6.36	7.29	8.04	8.47	.....	7.16	6.52	6.50
23	7.22	6.43	6.23	6.00	6.38	7.29	8.04	8.55	.....	7.19	6.52	6.36
24	7.40	6.54	6.14	5.94	6.42	7.31	8.01	8.61	.....	7.20	6.45	6.41
25	7.17	6.67	6.27	5.93	6.44	7.42	7.89	8.61	.....	7.38	6.43	6.49
26	7.30	6.75	6.27	5.86	6.49	7.34	7.89	8.66	7.27	7.49	5.90	6.58
27	7.40	6.87	6.07	5.88	6.51	7.69	7.83	8.66	7.31	7.49	.....	6.58
28	7.37	6.87	5.81	5.98	6.51	7.75	7.82	8.65	7.37	7.44	.....	6.51

Ab-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
29	7.98		6.09	5.98	6.55	7.75	7.78	8.62	7.43	7.47	....	6.48
30	7.10		6.25	5.98	6.55	7.78	7.78	8.57	7.44	7.49	6.05	6.56
31	7.06		6.25		6.57		7.80	8.57		7.49		6.59

Athens County

At-1. Athens State Hospital. Lat. 39°19'09", long. 82°06'20". Drilled unused well in gravel, diameter 4 inches, depth 120 feet. Water level responds to changes in stage of Hocking River. Highest water level 2.70, Apr. 14, 1948; lowest 22.6, Nov. 1, 1947. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.99	12.42	14.14	15.74	.....	17.17	17.32	17.97	19.38	19.46	15.87	.....
2	19.98	11.81	14.41	15.82	.....	17.77	17.38	18.01	19.43	19.49	19.88	.....
3	19.96	11.47	14.65	15.89	.....	17.82	17.43	18.05	19.43	19.52	19.88	.....
4	19.91	11.79	14.84	15.89	.....	17.82	17.45	18.11	19.47	19.54	19.88	.....
5	20.84	12.16	15.04	15.61	.....	17.79	17.45	18.17	19.49	19.56	19.88	.....
6	19.09	12.66	13.22	14.10	.....	17.71	17.38	.....	19.51	19.59	19.88	.....
7	.....	13.08	15.36	12.76	.....	17.74	17.07	.....	19.54	19.62	19.85	.....
8	.....	13.23	15.62	12.46	.....	17.80	16.90	.....	19.56	19.63	19.82	.....
9	.....	13.23	15.78	12.70	.....	17.83	16.52	.....	19.59	19.66	19.80	.....
10	.....	12.73	15.91	12.96	.....	.....	16.39	.....	19.60	19.69	19.80	.....
11	.....	12.00	16.02	13.39	.....	.....	16.36	.....	19.63	19.69	19.80	.....
12	.....	12.36	16.09	13.48	.....	.....	16.43	.....	19.66	19.69	19.80	.....
13	12.63	12.56	16.14	.....	.....	.....	16.54	.....	19.66	.....	19.76	12.07
14	12.79	12.56	16.15	.....	.....	.....	16.61	.....	19.66	.....	19.76	.....
15	12.77	12.35	16.12	.....	.....	.....	16.65	.....	19.65	19.61	19.76	.....
16	13.01	11.73	16.15	.....	.....	.....	16.74	.....	19.65	19.61	19.75	.....
17	12.78	12.42	16.21	.....	.....	18.04	16.82	.....	19.66	19.63	19.76	13.55
18	13.03	12.63	16.34	.....	.....	17.91	16.89	.....	19.66	19.65	19.76	.....
19	13.40	13.02	16.34	.....	.....	17.70	17.04	.....	19.69	19.66	19.75	.....
20	13.74	13.32	16.39	.....	.....	17.53	17.12	18.91	19.70	19.69	19.75	.....
21	13.88	13.55	16.39	.....	.....	17.40	17.18	18.94	19.72	19.71	19.72	.....
22	14.17	13.84	16.23	.....	.....	17.33	17.28	18.98	19.72	19.72	19.55	.....
23	14.41	13.84	15.92	.....	.....	17.27	17.34	19.02	19.63	19.69	19.40	.....
24	14.48	13.41	15.65	.....	.....	17.33	17.43	18.94	19.56	19.70	19.27	13.62
25	14.48	13.01	15.46	.....	.....	17.38	17.48	19.09	19.49	15.70	.....	.....
26	14.30	13.37	15.41	.....	17.57	17.38	17.55	19.14	19.44	19.71	.....	.....
27	14.24	13.62	15.39	.....	17.57	17.34	17.60	19.17	19.43	19.71	18.98	.....
28	13.75	13.85	15.49	.....	17.56	17.29	17.68	19.22	19.43	19.71	.....	.....
29	13.58	.....	15.58	.....	17.58	17.20	17.75	19.25	19.43	18.85	.....	.....
30	13.58	.....	15.63	.....	17.63	17.25	17.83	19.31	19.45	19.86	.....	.....
31	13.05	.....	15.67	.....	17.68	.....	17.91	19.33	.....	19.86	.....	13.70

Auglaize County

Au-1. C. W. Manchester. Lat. 40°33'42", long. 83°54'18". Drilled unused well in limestone, diameter 4 inches, depth 96 feet. Water level is influenced quickly by recharge in the intake area of the aquifer. Highest water level 14.50, Apr. 14, 1948; lowest 20.2, Dec. 17, 1946. 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	18.33	.....	15.27	15.22	15.02	.....	15.90	16.85	16.94	16.96	16.23	15.63
2	18.29	.....	15.32	15.23	15.03	.....	15.90	16.86	16.95	16.97	16.23	15.61
3	18.16	.....	15.35	15.19	15.04	15.67	15.82	16.90	.....	16.95	16.23	15.60
4	17.85	16.56	15.32	15.05	15.11	15.37	15.76	16.87	.....	16.94	16.17	15.65
5	17.89	16.54	15.32	15.02	15.02	15.51	15.74	16.93	.....	16.94	16.16	15.66
6	17.89	.....	15.35	15.10	15.12	15.60	15.76	16.99	17.05	16.93	16.25	15.66
7	17.75	.....	15.32	15.12	15.14	15.67	15.81	17.02	17.04	16.91	16.23	15.60
8	17.80	.....	15.33	15.13	15.12	15.67	15.82	17.15	17.03	16.88	16.20	15.59
9	17.70	.....	15.43	15.17	15.12	15.66	15.88	17.10	17.03	16.65	16.15	15.53
10	17.57	.....	15.44	15.12	15.22	15.60	16.03	17.04	17.03	16.56	16.15	15.53
11	17.49	16.38	15.38	15.12	15.14	15.65	15.98	17.06	17.02	16.55	16.23	15.51
12	17.41	16.27	15.45	15.12	15.15	15.63	16.05	17.10	17.02	16.57	16.23	15.44

Au-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	17.31	16.19	15.46	.....	.....	15.60	16.05	.....	16.98	16.60	16.20	15.44
14	17.15	.....	15.45	.....	.....	15.68	16.08	.....	16.95	16.58	16.18	15.43
15	17.17	.....	15.46	15.12	.....	15.67	16.08	.....	16.95	16.51	16.12	15.42
16	17.00	.....	.....	15.15	.....	15.65	16.14	.....	16.98	16.50	16.07	15.43
17	17.05	.....	.....	15.19	.....	15.72	16.15	.....	16.95	16.45	16.21	15.43
18	16.93	15.40	15.44	15.19	.....	15.72	16.17	.....	16.99	16.42	16.06	15.55
19	.....	15.41	15.44	15.17	.....	15.72	16.16	16.94	16.98	16.35	16.02	15.47
20	.....	15.41	15.42	15.20	15.32	15.74	16.15	16.97	16.95	16.34	15.90	15.50
21	16.89	.....	15.30	15.20	15.32	15.75	16.18	17.13	16.95	16.29	15.85	15.50
22	16.84	.....	15.30	15.18	15.35	15.76	16.24	17.06	16.88	16.29	15.89	15.52
23	.....	15.25	15.30	15.14	15.35	15.76	16.30	17.08	16.90	16.25	15.89	15.52
24	.....	15.25	15.28	15.04	15.48	15.76	16.27	17.11	17.00	16.25	15.88	15.52
25	.....	15.25	15.25	15.03	15.58	15.93	16.31	17.11	16.96	16.27	15.86	15.52
26	.....	15.28	15.28	15.10	15.67	15.95	16.35	17.13	17.01	16.28	15.59	15.54
27	.....	15.30	15.30	15.18	15.58	16.03	16.65	17.12	17.00	16.25	15.60	15.54
28	16.52	15.27	15.30	15.18	15.60	16.10	.....	17.12	16.98	16.22	15.60	15.54
29	16.54	.....	15.25	15.17	15.62	16.11	16.80	17.12	16.99	16.22	15.60	15.56
30	.....	.....	.....	15.15	15.65	16.11	16.81	17.12	16.98	16.23	15.60	15.56
31	.....	.....	.....	.....	.....	.....	16.80	17.00	.....	16.23	.....	15.60

Au-2. City of St. Marys. Lat. 40°33'42", long. 84°23'26". Drilled unused well in gravel, diameter 8 inches, depth 100 feet. Water level responds to changes in stage of St. Marys River. Highest water level +1.60, Mar. 28, 1949; lowest 6.70, Dec. 14, 1949. Records available: 1946-50.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-4.96	-3.61	-3.27	+0.01	+1.13	+0.44	-4.70	-5.04	-5.32	-6.00	-5.54	-4.85
2	4.54	3.79	3.58	.10	.86	.37	4.59	5.19	5.36	5.79	5.72	4.30
3	4.22	4.06	3.65	.50	.74	+.44	4.25	5.30	5.37	5.93	5.76	3.50
4	4.03	3.98	3.65	.48	.62	-.81	4.08	5.32	4.76	5.99	5.66	3.54
5	4.15	3.80	2.83	.39	.58	1.74	3.65	5.38	5.26	5.97	5.75	3.99
6	4.17	3.45	3.10	.04	.68	2.24	4.23	5.42	5.37	5.98	5.92	4.04
7	3.92	3.79	3.13	+0.4	1.06	2.52	4.48	5.47	5.37	5.97	5.96	3.96
8	3.70	3.82	3.23	-.02	.10	2.71	4.59	5.44	5.43	5.91	5.84	4.07
9	3.74	3.23	3.73	-.00	.54	2.80	4.68	5.44	5.52	5.00	5.42	4.08
10	3.71	3.19	3.78	+.77	.47	2.72	4.75	5.43	5.50	4.66	5.53	4.18
11	3.68	3.14	3.80	.72	.36	2.90	4.80	5.49	5.45	4.79	5.59	4.20
12	3.70	2.75	2.59	.58	.60	3.00	4.89	5.56	5.60	5.15	5.59	4.28
13	3.69	2.54	3.02	.73	.93	2.95	4.83	5.50	5.72	5.37	5.34	4.40
14	3.56	1.88	3.35	.32	1.16	3.09	4.94	5.26	5.76	5.40	5.38	4.46
15	3.44	2.13	3.33	.37	1.07	3.16	4.98	5.32	5.80	5.39	5.32	4.59
16	3.23	2.54	3.67	1.20	.69	3.14	4.96	5.43	5.90	5.53	5.30	4.68
17	3.40	2.86	3.67	.88	.58	3.37	4.96	5.48	5.90	5.47	5.39	4.68
18	3.59	2.83	3.58	.74	.28	3.79	5.02	5.49	5.64	5.51	5.38	4.65
19	3.90	2.20	3.19	.67	.24	3.90	5.00	5.13	5.75	5.46	5.20	4.71
20	4.02	2.78	3.33	.56	.34	4.02	5.02	5.22	5.81	5.53	5.02	4.93
21	3.97	3.00	3.35	.00	.84	4.19	5.13	5.16	5.76	5.50	4.58	4.93
22	3.78	3.06	3.35	.01	.77	4.22	5.14	5.28	5.64	5.45	4.71	4.84
23	3.48	3.22	1.72	.....	.67	4.20	5.09	5.38	5.85	5.62	4.71	4.84
24	3.47	3.21	.83	.....	.62	4.30	4.98	5.46	5.96	5.65	4.80	4.64
25	3.20	3.26	-.34	.....	.36	4.34	5.11	5.44	6.03	5.77	4.80	1.60
26	3.25	2.68	+.26	.66	.27	4.34	5.14	5.45	6.08	5.81	4.10	3.98
27	3.44	3.14	.59	.32	.23	4.08	5.10	5.41	6.07	5.77	3.64	4.44
28	3.44	3.13	.01	.13	.30	4.38	5.15	5.39	6.11	5.70	4.62	4.46
29	3.63	.....	.....	.16	.80	4.50	5.14	5.28	6.11	5.45	4.66	4.56
30	3.26	.....	.....	1.30	1.10	4.59	5.02	5.32	6.09	5.52	4.86	4.64
31	3.58	.....	.01	.....	.94	.....	4.84	5.33	.....	.....	.....	4.64

Belmont County

B-1. Martins Ferry Water Dept. Lat. 40°07'12", long. 80°42'34". Drilled unused well in gravel, diameter 40 inches, depth 79 feet. Water level responds to changes in stage of the Ohio River. Highest water level 8.62, Dec. 6, 1950; lowest 37.50, Oct. 7, 1948. Records available: 1948-50. Mar. 29, 14.68; Mar. 30, 18.30.

B-1--Continued.

Daily lowest water level from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.71	31.51	34.20	34.42	36.01	36.55	.....	36.35	28.82
2	23.30	31.30	34.18	35.16	35.80	36.60	35.89	36.39	29.80
3	24.38	29.82	34.00	35.38	35.45	35.83	36.35	36.39	26.97
4	27.55	29.60	33.48	34.70	34.50	34.66	36.30	34.63	21.11
5	26.30	.....	31.65	.....	35.16	35.09	36.69	32.27	11.84
6	22.80	.....	28.00	31.60	35.90	35.53	36.57	28.04	8.62
7	21.31	29.40	29.91	33.10	36.00	35.80	36.55	.....	14.04
8	22.35	32.94	32.90	33.44	36.50	36.36	36.50	29.58	15.61
9	24.82	32.28	33.31	34.60	36.60	36.63	36.56	30.32	14.26
10	26.15	32.78	33.91	35.12	36.50	36.60	36.40	31.40	16.82
11	28.11	32.43	33.77	35.09	36.60	36.59	36.76	32.43	19.54
12	29.41	31.92	33.10	34.60	36.80	36.73	36.21	32.68	23.00
13	31.20	32.60	33.72	35.18	36.60	36.30	35.90	33.28	25.73
14	33.10	32.62	34.50	34.73	36.49	35.82	35.27	33.85	27.06
15	32.81	33.39	34.62	34.62	36.77	33.92	32.93	33.63	.....
16	32.20	33.92	34.48	.....	36.49	34.86	34.00	34.02	30.63
17	32.55	33.96	33.83	.....	36.78	35.04	34.59	34.38	31.75
18	33.68	33.29	34.35	.....	36.62	35.20	35.18	34.60	32.88
19	33.30	33.70	35.65	.....	.....	.....	35.28	34.35	33.16
20	33.32	33.59	35.32	.....	34.70	.....	35.66	34.02	33.38
21	34.06	33.55	35.49	.....	36.25	.....	35.80	32.09	.....
22	33.31	33.53	35.50	33.70	36.42	.....	34.90	28.50	.....
23	33.80	33.60	35.78	33.40	36.96	31.00	35.80	26.85	.....
24	33.26	33.60	35.92	33.70	37.02	32.71	36.51	27.35	33.40
25	31.55	33.72	34.25	34.57	37.00	33.67	36.48	28.35	32.75
26	27.71	33.83	32.72	34.38	37.35	35.22	36.50	29.35	32.41
27	24.30	34.09	32.22	34.00	37.20	35.66	36.56	28.56	32.70
28	26.38	33.49	33.58	34.53	37.13	35.70	36.57	26.40	.....
29	29.78	33.43	34.30	34.90	37.36	35.97	36.55	.....	.....
30	29.39	33.17	33.98	34.90	37.36	36.00	36.54	.....	32.80
31	.....	33.49	.....	35.82	.....	.....	36.62	.....	32.80

Butler County

25-5. City of Middletown. Middletown Water Works plant, Middletown. Drilled unused well in gravel, diameter 8 inches, depth 62 feet. Highest water level 8.10, May 12, 1944; lowest 41.10, Sept. 25, 1941. Records available: 1941-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Dec.
1	33.47	22.27	21.66	24.35	.....	.....	.....	h30.33	.....
2	33.20	22.45	21.91	24.40	h25.56	.....	.....	.....	.....
3	33.22	22.67	22.07	24.50	.....	.....	.....	.....	.....
4	33.22	22.90	22.25	24.52	.....	.....	.....	.....	.....
5	32.80	22.95	22.40	24.40	.....	.....	h29.10	.....	.....
6	31.30	23.14	22.58	23.81	.....	h28.20	.....	.....	.....
7	29.49	23.38	22.62	23.47	.....	.....	.....	.....	.....
8	28.05	23.52	22.90	23.55	.....	.....	.....	h30.64	.....
9	27.28	23.52	23.04	23.55	h26.01	.....	.....	.....	.....
10	27.07	23.44	23.14	23.56	.....	.....	.....	.....	.....
11	26.93	23.27	23.21	23.70	.....	.....	h29.24	.....	.....
12	26.25	23.22	23.28	23.82	.....	.....	.....	.....	h24.80
13	25.42	23.14	23.41	23.96	.....	h28.68	.....	.....	.....
14	25.15	22.80	23.47	24.07	.....	.....	.....	.....	.....
15	24.92	21.85	23.53	24.22	.....	.....	.....	.....	.....
16	24.66	20.52	23.67	24.24	h26.62	.....	.....	h31.25	.....
17	24.02	19.84	23.75	24.39	.....	.....	.....	.....	.....
18	22.50	19.85	23.95	24.57	.....	.....	h30.16	.....	.....
19	22.04	19.98	23.98	24.76	.....	.....	.....	.....	h26.02
20	22.25	20.20	24.07	24.88	.....	h28.72	.....	.....	.....
21	22.48	20.33	24.07	25.07	.....	.....	.....	.....	.....
22	22.68	20.48	24.03	25.22	.....	.....	.....	h31.45	.....
23	23.02	20.57	23.96	25.26	h27.00	.....	.....	.....	.....
24	23.13	20.74	24.06	25.32	.....	.....	.....	.....	.....
25	23.07	20.88	24.12	25.32	.....	.....	h30.36	.....	.....
26	22.76	21.05	24.14	.....	.....	.....	.....	.....	h26.86
27	22.57	21.25	24.20	.....	.....	h28.90	.....	.....	.....

25-5--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Dec.
28	22.17	21.45	24.29	.....	.....	.....	.....	.....	.....
29	21.84		24.29	.....	.....	.....	.....	.....	.....
30	21.87		24.27	.....	.....	.....	.....	.....	.....
31	22.12		24.82		h27.70		.....	.....	.....

h Tape measurement.

29-1. Young Men's Christian Association. Manchester Ave. and Broad St., Middletown. Drilled unused well in gravel, diameter 6 inches, depth 34 feet. Highest water level 20.90, June 10, 1947; lowest 45.90, Dec. 20, 1949. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	43.83	Apr. 4	35.18	July 5	40.49	Oct. 3	46.27
10	42.34	11	34.92	11	42.63	10	45.70
17	38.08	18	35.63	18	43.72	17	45.98
24	36.90	25	35.36	25	43.32	24	45.58
31	34.88	May 2	36.03	Aug. 1	42.77	31	45.83
Feb. 7	34.69	9	36.84	8	44.61	Nov. 7	46.38
14	34.23	16	37.38	22	45.03	14	44.55
21	31.98	23	39.34	29	46.18	21	45.45
28	31.53	31	40.28	Sept. 1	46.44	Dec. 5	43.12
Mar. 7	31.60	June 6	33.73	12	46.18	12	40.38
14	33.38	13	41.95	19	47.28	19	41.18
21	34.75	27	42.42	26	46.48	26	38.98
28	34.08						

29-2. Young Men's Christian Association. Manchester Ave. and Broad St., Middletown. Drilled unused well in gravel, diameter 12 inches, depth 86 feet. Highest water level 23.19, Feb. 21, 1950; lowest 50.72, Nov. 28, 1944. Records available: 1942-50.

Jan. 3	35.68	Apr. 4	26.80	July 5	31.87	Oct. 3	33.75
10	30.53	11	26.16	11	32.03	10	34.13
17	27.94	18	26.76	18	32.88	17	33.27
24	26.80	25	27.48	25	33.20	24	33.56
31	25.50	May 2	27.86	Aug. 1	33.09	31	34.00
Feb. 7	26.13	9	28.25	8	33.30	Nov. 7	34.45
14	25.54	16	28.90	22	34.52	14	34.54
21	23.19	23	29.60	29	34.82	21	34.28
28	23.78	31	30.32	Sept. 5	34.70	Dec. 5	30.16
Mar. 7	24.63	June 6	30.87	12	34.95	19	29.55
14	25.44	13	31.38	19	35.23	26	29.80
21	26.12	20	31.62				
28	26.41	27	31.90				

33-1. Prairie State Paper Mills. Vanderveer and Fifth Ave., Middletown. Dug unused well in gravel, diameter 16 feet, depth 45 feet. Highest water level 25.13, June 17, 1947; lowest 46.78, Nov. 7, 1944. Records available: 1939-50.

Jan. 3	37.98	Apr. 4	28.95	July 5	35.98	Oct. 3	42.17
10	36.76	11	28.67	11	36.40	10	42.26
17	34.28	18	28.44	18	37.85	17	41.70
24	31.60	25	29.43	Aug. 1	38.95	24	41.48
31	30.04	May 2	30.06	8	39.42	31	41.63
Feb. 7	28.80	9	30.57	15	40.48	Nov. 7	41.60
14	28.81	16	31.54	22	40.95	14	41.87
21	26.57	23	32.52	29	41.65	21	41.65
28	25.46	31	32.97	Sept. 5	41.23	Dec. 5	39.80
Mar. 7	25.95	June 6	33.62	12	42.31	12	37.58
14	26.75	13	34.41	19	42.57	19	36.60
21	28.00	20	35.70	26	42.85	26	35.31
28	28.30	27	36.05				

36-13. American Rolling Mill Co. East Plant, Middletown. Lat. 39°30'00", long. 84°23'00". Drilled unused well in gravel, diameter 26 inches, depth 183 feet. Highest water level 80.60, Aug. 1, 1938; lowest 129.70, June 12, 1942. Records available: 1938-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	109.75	114.12	114.60	114.30	109.28	111.74	116.25	117.92	121.99	122.80	118.90	116.27
2	109.15	114.37	114.92	114.06	109.37	111.92	116.31	118.32	121.20	122.50	118.87	115.88
3	109.43	114.45	115.10	113.44	109.67	112.07	116.14	118.63	121.15	123.04	118.78	115.85

36-13--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	109.62	114.54	115.07	113.56	109.78	112.06	115.87	118.88	120.70	123.13	118.75	115.65
5	110.14	114.53	114.82	113.58	109.90	112.13	115.47	118.94	120.92	122.85	118.04	115.82
6	110.70	113.94	114.63	113.62	109.93	112.38	115.63	118.18	121.25	122.92	117.81	115.96
7	110.68	114.24	114.52	113.57	109.66	112.76	115.92	117.76	121.63	122.92	117.14	116.20
8	110.67	114.34	114.80	113.60	109.37	112.90	116.13	118.27	121.80	122.80	117.87	116.22
9	110.26	114.60	114.87	113.58	109.07	113.23	116.10	118.75	120.97	122.47	118.08	116.24
10	110.67	114.70	114.91	112.85	109.01	113.50	115.85	119.09	120.91	122.45	118.03	116.22
11	111.26	114.80	115.12	112.82	109.13	113.46	115.98	119.40	121.25	122.37	117.96	115.69
12	112.10	114.75	115.03	112.80	109.37	113.12	115.75	119.48	121.62	122.37	117.14	115.94
13	112.65	114.20	114.40	112.82	109.57	113.58	115.83	119.23	121.87	122.25	116.82	116.07
14	112.94	114.45	114.50	112.87	109.57	113.95	115.92	119.34	122.12	122.04	117.07	116.12
15	112.52	114.60	114.63	112.88	109.07	114.25	115.93	119.60	122.30	121.65	117.12	116.22
16	112.01	114.79	114.80	112.75	109.34	114.48	115.65	.....	122.40	121.00	117.25	116.20
17	112.32	114.85	115.22	111.87	109.62	114.67	115.02	.....	122.38	120.85	117.34	116.15
18	113.02	114.82	115.43	112.07	109.93	114.65	115.30	.....	121.94	120.85	117.34	115.47
19	113.39	114.72	115.34	112.23	110.21	114.35	115.53	.....	122.24	120.81	117.22	115.67
20	113.60	114.11	114.56	112.37	110.40	114.74	115.80	.....	122.45	120.80	116.55	115.95
21	113.67	114.18	114.57	112.33	110.40	115.02	116.4	.....	122.67	120.72	116.00	115.00
22	113.65	114.37	114.93	112.32	110.30	115.20	116.17	120.12	122.88	120.58	115.98	116.11
23	113.64	114.42	115.20	111.72	110.44	.....	115.93	120.44	123.10	119.74	116.43	116.07
24	114.00	114.55	115.42	111.17	110.57	.....	116.57	120.70	123.10	119.83	116.52	115.85
25	114.12	114.55	115.50	111.20	110.82	.....	117.05	120.88	121.82	119.87	116.49	115.17
26	114.08	114.32	114.72	111.27	111.02	.....	117.51	120.97	122.10	119.87	116.10	114.38
27	114.27	113.77	113.71	111.27	111.17	115.53	117.85	120.62	122.32	119.72	115.68	114.61
28	114.29	114.15	113.72	111.08	111.15	115.75	118.20	119.54	122.53	119.72	115.90	114.75
29	114.17	.....	113.75	110.59	111.17	115.97	118.30	119.37	122.70	119.07	116.09	114.99
30	113.73	.....	114.07	110.83	111.26	116.16	117.97	119.98	122.81	119.07	116.25	115.05
31	113.95	.....	114.22	.....	111.54	.....	117.62	120.62	.....	118.93	.....	115.07

79-2. Armco Steel Co. New Miami. Drilled unused well in gravel, diameter 26 inches, depth 177 feet. Highest water level 27.84, Apr. 10, 1950; lowest 42.07, Aug. 20, 1950. 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	35.95	.....	29.22	30.55	30.55	33.32	35.74	39.85	40.13	37.51	37.57	34.10
2	36.07	.....	29.58	30.67	31.03	33.93	35.50	40.15	40.08	38.08	.....	34.12
3	36.04	.....	29.88	30.45	31.00	32.95	35.45	40.34	39.87	38.27	.....	33.93
4	35.90	.....	30.00	30.13	31.05	32.74	.....	40.48	39.63	.....	.....	32.50
5	34.77	.....	30.25	.....	31.12	33.42	36.64	40.63	39.57	37.90	.....	31.30
6	33.64	.....	30.40	28.25	31.36	33.36	37.35	40.68	39.57	37.85	.....	30.86
7	32.06	32.82	30.72	28.10	31.38	33.40	37.52	40.73	39.53	38.18	.....	30.86
8	30.96	33.17	30.95	28.12	31.43	34.37	37.74	40.98	39.57	38.20	37.23	30.73
9	30.45	33.04	30.75	28.63	31.46	34.75	37.75	41.06	39.50	38.16	37.35	30.47
10	30.57	32.81	30.85	27.84	31.28	34.80	.....	41.13	39.58	38.09	37.54	30.57
11	30.20	32.57	30.77	28.51	31.33	34.85	38.42	41.23	39.40	37.38	37.51	30.47
12	29.85	32.55	30.70	28.70	31.24	35.02	38.58	41.29	39.15	37.00	37.57	30.60
13	29.75	32.37	30.62	28.90	31.15	34.57	38.82	41.25	39.18	36.87	37.95	31.72
14	29.66	31.78	30.60	29.13	31.25	35.00	38.93	41.30	39.20	36.75	38.10	32.00
15	29.69	29.71	30.80	29.27	31.79	35.07	39.05	41.53	39.21	36.64	37.87	31.74
16	29.20	28.66	30.70	29.51	32.30	34.97	39.10	41.68	39.18	36.65	37.66	31.75
17	28.63	28.18	30.74	30.00	32.45	34.85	39.18	41.85	39.46	37.05	37.62	31.23
18	28.05	27.95	30.95	30.13	32.46	34.79	39.25	41.94	39.65	37.19	37.53	32.21
19	28.24	28.33	30.97	30.21	32.73	34.94	39.27	42.00	39.56	37.26	.....	32.11
20	28.70	28.82	31.00	30.16	33.30	35.08	39.45	42.07	39.64	37.35	.....	32.34
21	29.21	29.12	30.96	30.05	32.80	35.35	39.62	41.50	39.30	37.32	36.14	32.47
22	30.37	29.32	30.75	30.36	32.44	35.62	39.75	41.73	39.85	37.32	35.56	32.56
23	30.45	29.34	30.70	30.45	33.05	35.20	39.82	41.81	38.02	37.21	34.60	32.63
24	30.97	29.62	30.58	30.17	33.00	35.03	39.96	41.82	37.87	37.45	33.45	32.68
25	30.73	29.85	.....	30.25	.....	35.57	40.15	42.00	37.61	37.54	33.27	32.68
26	30.42	30.10	.....	30.25	.....	35.51	40.30	42.03	37.35	37.46	33.23	32.55
27	30.12	30.22	.....	30.35	.....	35.32	40.38	41.11	37.46	37.27	33.35	.....
28	29.65	29.22	30.75	30.75	.....	35.30	40.42	40.91	37.33	37.08	33.97	32.49
29	29.54	.....	30.60	30.82	.....	35.50	39.65	40.82	37.37	37.17	33.93	32.84
30	29.68	.....	30.88	30.87	33.08	35.60	39.18	40.83	37.28	37.30	34.12	32.62
31	30.12	.....	30.61	.....	33.20	.....	39.39	40.32	.....	37.60	.....	32.28

85-7. City of Hamilton. City Water Works, 0.9 mile north of Hamilton on State Highway 127. Drilled test well in gravel, diameter 3 inches, depth 110 feet. Highest water level 13.00, Mar. 23, 1943; lowest 31.33, Aug. 26, 1950. Records available: 1939-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	20.73	19.20	21.43	22.34	24.57	26.89	29.37	30.80	28.17	27.85	25.59
2	.....	21.28	19.50	21.38	22.25	24.72	25.65	29.52	30.85	28.12	29.15	25.50
3	29.38	21.43	20.15	21.32	22.37	24.71	25.74	29.52	29.53	28.05	29.10	24.98
4	28.76	21.58	20.23	21.17	22.44	24.53	25.68	29.52	29.65	28.12	28.00	22.63
5	26.24	21.68	20.44	20.12	22.82	24.52	26.39	29.53	30.08	28.06	.....	21.65
6	24.61	21.92	20.47	19.58	23.00	24.73	26.82	28.14	.....	28.17	.....	21.22
7	22.63	21.98	20.55	19.65	22.57	25.42	27.00	28.14	.....	28.17	28.27	21.15
8	21.97	22.22	20.68	19.90	23.66	25.75	27.00	30.08	.....	28.17	28.22	21.02
9	22.08	21.87	20.82	20.06	23.67	25.93	27.03	30.17	30.74	27.90	28.25	21.09
10	22.30	21.37	20.93	20.35	23.87	25.96	27.33	30.11	29.28	27.76	28.14	21.48
11	21.45	21.30	20.97	20.72	23.87	25.12	27.60	30.42	29.52	27.16	27.97	21.68
12	21.16	21.29	20.97	20.19	23.83	25.01	27.82	29.40	29.52	26.20	.....	22.10
13	22.00	20.70	20.74	20.96	23.87	25.07	27.95	28.50	29.62	26.18	.....	23.38
14	21.75	19.84	20.67	21.17	23.56	24.96	27.95	30.23	30.62	26.18	28.00	22.61
15	21.34	17.03	20.67	21.32	23.37	24.30	27.95	30.39	30.83	26.27	28.78	22.62
16	20.90	15.77	20.80	21.39	23.27	26.48	27.96	30.42	30.83	27.20	28.07	22.72
17	20.00	15.95	21.85	21.50	24.07	26.23	27.96	30.42	.....	27.82	28.88	22.84
18	19.36	16.58	22.17	21.68	24.00	26.38	28.47	30.42	.....	27.88	28.08	23.07
19	19.90	17.05	22.24	22.20	24.38	26.11	28.47	30.41	29.92	28.12	27.98	23.32
20	19.57	17.57	22.20	21.93	23.82	27.87	28.52	30.41	29.95	28.00	27.40	23.53
21	19.94	18.04	22.10	22.07	23.95	26.75	28.67	30.50	.....	27.30	25.51	24.19
22	21.52	18.17	21.87	22.18	24.50	26.85	28.85	30.95	.....	28.03	24.05	23.71
23	22.05	18.24	21.90	22.17	23.98	26.58	28.90	30.97	27.46	27.40	24.70	24.24
24	22.19	18.58	22.00	22.25	23.97	26.38	28.92	31.02	27.37	28.38	23.46	23.69
25	21.42	18.76	22.06	22.05	24.34	26.37	29.09	31.26	27.52	28.47	23.58	23.72
26	21.12	19.15	22.03	22.12	24.64	26.02	29.11	31.33	27.75	27.50	24.00	23.64
27	19.82	19.16	21.97	22.27	24.74	26.25	29.15	29.98	28.15	27.98	24.23	23.77
28	19.67	18.88	21.88	22.26	24.73	26.38	29.30	29.96	28.16	27.74	24.67	24.97
29	19.60		21.77	22.34	24.37	26.57	28.62	31.00	28.16	28.13	25.28	24.67
30	19.85		21.67	22.38	24.53	26.69	29.11	31.03	28.17	27.63	25.54	23.97
31	20.35		21.40		24.49		29.19	30.80		27.80		24.00

86-7. City of Hamilton. North of Hamilton. State Highway 127. Drilled un-used well in gravel, diameter 12 inches, depth 113 feet. Highest water level 5.70, June 11, 1947; lowest 16.90, Jan. 30, 1945. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	15.21	Apr. 4	6.77	July 5	9.44	Oct. 10	12.94
10	12.30	11	6.48	11	9.73	17	12.85
17	10.13	18	6.63	18	10.37	24	12.99
24	9.25	25	6.99	25	10.88	31	13.28
31	8.13	May 2	7.22	Aug. 1	11.35	Nov. 7	13.37
Feb. 7	8.21	9	7.56	8	11.91	14	13.41
14	7.18	16	7.90	22	12.80	21	12.72
21	5.55	23	8.36	Sept. 5	13.23	28	12.18
28	5.61	31	8.86	12	13.47	Dec. 5	11.11
Mar. 7	6.01	June 6	9.18	19	13.77	12	10.15
14	6.42	13	9.54	26	12.98	19	10.10
21	6.64	20	9.78	Oct. 3	13.06	26	10.29
28	6.78	27	9.30				

104-2. McGreevy Dairy Co. Dixie Highway and Laurel Ave., Hamilton. Unused test well in gravel, diameter 6 inches, depth 70 feet. Highest water level 30.37, Nov. 10, 1942; lowest 42.61, Mar. 13, 1945. Records available: 1942-48. Measurement discontinued.

B-1. Ohio State Highway Dept. Lat. 39°21'03", long. 84°32'30". Drilled test well in gravel, diameter 6 inches, depth 245 feet. Highest water level 26.50, July 28, 1947; lowest 45.10, Mar. 12, 1945. Records available: 1942-50.

Jan.	3	36.36	Feb. 21	34.80	Apr. 11	32.15	May 31	31.98
10		36.60	28	33.55	18	32.05	June 6	31.90
17		36.75	Mar. 7	32.80	25	31.96	13	32.05
24		36.84	14	32.55	May 2	31.95	20	32.11
31		36.88	21	32.38	9	31.93	27	32.15
Feb. 7		36.82	27	32.23	16	31.93	July 5	32.20
14		36.23	Apr. 4	32.20	23	31.97	11	32.26

B-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 18	32.32	Sept. 12	33.26	Oct. 17	34.17	Nov. 21	34.97
25	32.40	19	33.48	24	34.32	Dec. 5	35.15
Aug. 1	32.49	26	33.65	31	34.49	12	35.25
8	32.60	Oct. 3	33.83	Nov. 8	34.65	19	35.28
29	32.98	10	34.00	14	34.81	26	35.32
Sept. 5	33.13						

B-4. A. H. Kollstadt. Lat. 39°20'33", long. 84°34'00". Drilled test well in gravel, diameter 6 inches, depth 221 feet. Highest water level 17.57, June 10, 1947; lowest 33.88, Nov. 6, 1948. Records available: 1942-50.

Jan. 3	28.80	Apr. 4	23.87	July 5	26.55	Oct. 3	27.74
10	22.69	11	22.88	11	26.58	10	27.89
17	20.50	18	23.77	18	27.10	17	27.28
24	23.32	25	24.45	25	27.18	24	27.97
31	21.52	May 2	24.34	Aug. 1	27.57	31	28.38
Feb. 7	23.32	9	24.61	8	27.78	Nov. 7	27.64
14	21.23	16	25.14	22	28.13	14	28.09
21	19.47	23	25.60	29	28.40	21	27.25
28	21.54	31	26.01	Sept. 5	27.93	Dec. 5	24.59
Mar. 7	23.17	June 6	26.22	12	28.31	12	23.55
14	23.72	13	26.37	19	28.44	19	25.20
21	23.93	20	26.20	26	26.99	26	26.10
28	23.79	27	26.13				

B-11. Fred Bandtel. Lat. 39°20'48", long. 84°31'15". Drilled test well in gravel, diameter 6 inches, depth 120 feet. Highest water level 19.00, June 11, 1947; lowest 51.50, Oct. 17, 1944. Records available: 1942-50.

Jan. 3	36.92	Apr. 4	22.96	July 5	25.05	Oct. 3	30.34
10	34.18	11	22.17	11	25.35	10	30.58
17	30.67	18	22.27	18	25.90	17	30.88
24	28.99	25	22.62	25	26.52	31	31.47
31	24.88	May 2	23.05	Aug. 1	27.30	Nov. 8	31.91
Feb. 7	25.65	9	23.48	8	28.45	14	32.13
14	23.85	16	23.80	15	29.08	21	31.21
21	22.93	23	24.28	22	29.54	28	29.75
28	22.60	31	24.70	29	30.05	Dec. 5	27.52
Mar. 7	22.51	June 6	25.05	Sept. 12	30.91	12	25.80
14	23.25	13	25.25	19	31.39	20	25.83
21	23.10	20	25.62				
27	22.91	27	25.01				

B-23. Carl E. Schiering. Lat. 39°20'15", long. 84°34'56". Drilled test well in gravel, diameter 6 inches, depth 176 feet. Highest water level 11.50, June 6, 1947; lowest 28.10, Dec. 26, 1944. 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	24.55	17.60	16.04	17.97	18.50	20.27	21.00	22.18	23.17	23.05	23.48	22.58
2	24.54	17.60	16.18	18.02	18.46	20.32	21.04	22.19	23.18	23.09	23.52	22.48
3	24.54	17.62	16.30	18.07	18.42	20.36	21.08	22.23	23.18	23.15	23.54	22.35
4	24.49	17.62	16.40	18.07	18.46	20.38	21.10	22.27	23.10	23.18	23.57	21.95
5	24.22	17.62	16.52	17.97	18.52	20.42	21.08	22.32	23.06	23.23	23.60	21.48
6	23.81	17.63	16.60	17.72	18.60	20.43	21.07	22.37	23.08	23.28	23.62	21.04
7	23.22	17.71	16.67	17.52	18.68	20.48	21.02	22.42	23.13	23.34	23.65	20.72
8	22.56	17.71	16.62	17.37	18.74	20.52	21.05	22.47	23.18	23.37	23.65	20.70
9	22.07	17.69	16.54	17.35	18.80	20.57	21.11	22.50	23.22	23.37	23.66	20.47
10	21.80	17.62	17.00	17.33	18.88	20.62	21.15	22.53	23.26	23.27	23.65	20.22
11	21.61	17.52	17.06	17.42	18.82	20.66	21.22	22.57	23.29	23.14	23.57	20.22
12	21.22	17.48	17.15	17.44	18.95	20.70	21.26	22.62	23.32	23.00	23.50	20.05
13	20.89	17.42	17.22	17.49	19.01	20.75	21.32	22.65	23.35	22.92	23.47	20.26
14	20.64	17.15	17.25	17.56	19.06	20.81	21.38	22.70	23.34	22.87	23.48	20.52
15	20.40	16.66	17.30	17.62	19.13	20.86	21.44	22.72	23.35	22.87	23.50	20.60
16	20.12	15.94	17.37	17.67	19.24	20.86	21.45	.....	23.37	22.90	23.54	20.50
17	19.70	15.58	17.45	17.73	19.32	20.85	21.55	.....	23.42	22.94	23.57	20.40
18	19.20	15.44	17.57	17.78	19.38	20.84	21.62	.....	23.44	22.97	23.57	20.58
19	18.92	15.36	17.62	17.87	19.45	20.82	21.62	.....	23.52	23.02	23.59	20.83
20	18.84	15.38	17.65	17.94	19.53	20.87	21.61	.....	23.52	23.06	23.53	20.94
21	18.80	15.40	17.69	18.02	19.62	20.90	21.62	.....	23.49	23.10	24.10	20.82
22	18.82	15.43	17.68	18.10	19.67	20.93	21.65	22.94	23.36	23.13	24.00	20.70

B-23--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
23	18.85	15.45	17.66	18.15	19.75	20.95	21.70	22.95	23.16	23.17	23.70	20.67
24	18.87	15.55	17.70	18.18	19.77	20.99	21.76	22.99	23.02	23.22	23.50	20.63
25	18.80	15.63	17.76	18.23	19.83	20.99	21.80	23.03	22.93	23.25	23.36	20.63
26	18.64	15.74	17.77	18.25	19.90	20.88	21.85	23.07	22.89	23.28	23.25	20.68
27	18.44	15.82	17.80	18.31	19.97	20.82	21.92	23.12	22.90	23.32	23.24	20.71
28	18.10	15.92	17.87	18.33	20.05	20.84	21.96	23.17	22.93	23.36	23.23	20.74
29	17.79		17.87	18.44	20.12	20.85	22.01	23.19	22.96	23.40	22.22	20.79
30	17.67		17.89	18.50	20.16	20.95	22.06	23.19	23.01	23.42	22.43	20.85
31	17.61		17.90		20.22		22.12	23.18		23.46		20.91

B-30-D. City of Hamilton. Pleasant and Marshall Avenues. Drilled observation well in gravel, diameter 2 inches, depth 182 feet. In same drill hole as B-30-M and B-30-S. Highest water level 27.20, Aug. 4, 1947; lowest 37.00, Feb. 12, 1945. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	33.73	Apr. 4	29.26	July 5	29.41	Oct. 10	31.96
10	33.69	11	29.13	11	29.50	17	31.58
17	33.30	18	29.00	18	29.61	24	31.68
24	32.75	25	28.95	25	29.74	31	31.57
31	32.18	May 2	28.90	Aug. 1	29.92	Nov. 7	31.87
Feb. 7	31.68	9	28.87	22	30.49	14	32.00
14	31.28	16	28.84	29	30.70	21	32.09
21	30.81	23	28.88	Sept. 5	30.90	28	32.05
28	30.27	31	28.94	12	31.08	Dec. 5	32.03
Mar. 7	29.91	June 6	29.00	19	31.24	12	31.88
14	29.67	13	29.05	26	31.35	19	31.70
21	29.50	20	29.19	Oct. 3	31.44	26	31.57
28	29.35	27	29.32				

B-30-M. City of Hamilton. Pleasant and Marshall Avenues. Drilled observation well in gravel, diameter 2 inches, depth 85 feet. In same drill hole as B-30-D and B-30-S. Highest water level 26.64, June 16, 1947; lowest 36.99, Feb. 5, 1945. Records available: 1943-50.

Jan. 3	34.38	Apr. 4	28.24	July 5	29.97	Oct. 10	31.96
10	33.46	11	28.08	11	30.05	17	31.98
17	31.76	18	28.02	18	30.23	24	32.02
24	30.50	25	28.15	25	30.45	31	32.22
31	26.81	May 2	28.35	Aug. 1	30.68	Nov. 7	32.41
Feb. 7	29.42	9	28.47	22	31.39	14	32.57
14	29.15	16	28.62	29	31.64	21	32.54
21	28.42	23	28.87	Sept. 5	31.80	28	32.10
28	27.81	31	28.12	12	31.93	Dec. 5	31.67
Mar. 7	27.79	June 6	29.29	19	32.12	12	30.95
14	28.00	13	29.54	26	32.04	19	30.55
21	28.15	20	29.74	Oct. 3	31.90	26	30.62
28	28.22	27	29.88				

B-30-S. City of Hamilton. Pleasant and Marshall Avenues. Drilled observation well in gravel, diameter 2 inches, depth 45 feet. In same drill hole as B-30-D and B-30-M. Highest water level 27.45, June 30, 1947; lowest 37.07, Feb. 12, 1945. Records available: 1943-50.

Jan. 3	34.40	Apr. 4	28.27	July 5	30.01	Oct. 10	32.17
10	34.08	11	28.90	11	30.13	17	32.22
17	33.26	18	28.85	18	30.28	24	32.23
24	32.30	25	28.85	25	30.43	31	32.32
31	31.57	May 2	28.89	Aug. 1	30.57	Nov. 7	32.44
Feb. 7	31.02	9	28.92	22	31.23	14	32.54
14	30.56	16	28.98	29	31.44	21	32.22
21	30.02	23	29.09	Sept. 5	31.64	28	32.55
28	29.53	31	29.24	12	31.79	Dec. 5	32.38
Mar. 9	29.27	June 6	29.37	19	31.67	12	32.05
14	29.14	13	29.54	26	32.06	19	31.72
21	29.05	20	29.72	Oct. 3	32.11	26	31.58
28	29.02	27	29.87				

B-40. Federal Works Agency. Southwest corner Symmes Rd. and Gilmore Rd. Drilled test well in gravel, diameter 6 inches, depth 200 feet. Highest water level 38.20, June 8, 1947; lowest 71.70, Oct. 24, 1944. Records available: 1944-50.

B-40--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.30	46.64	42.18	42.22	42.29	43.92	43.90	46.38	49.68	49.66	50.97	49.22
2	56.23	46.23	42.39	42.28	42.25	43.92	43.84	46.58	49.78	49.72	51.10	48.98
3	56.08	46.22	42.39	42.15	42.25	43.92	43.88	46.77	49.78	49.74	51.12	48.77
4	56.40	45.94	42.31	42.10	42.29	43.91	43.92	46.88	49.90	49.83	51.08	48.30
5	56.38	45.72	42.17	42.10	42.30	43.92	43.98	47.07	49.98	49.94	51.22	47.77
6	55.87	45.20	42.18	41.73	42.60	44.10	44.06	47.21	50.00	49.98	51.33	47.32
7	55.47	45.28	42.02	41.65	42.80	44.17	44.13	47.32	49.93	50.03	51.36	46.70
8	55.22	45.27	42.27	41.44	42.83	44.18	44.18	47.37	49.95	50.00	51.20	46.64
9	54.30	44.90	42.55	41.45	42.62	44.15	44.18	.....	50.00	49.94	51.52	46.37
10	53.98	44.85	42.57	41.24	42.74	44.13	44.21	.....	50.10	50.02	51.52	45.88
11	54.00	44.67	42.22	41.40	42.82	44.28	44.28	.....	50.22	50.02	51.54	45.78
12	53.57	44.58	42.25	41.40	42.74	44.35	44.28	.....	50.37	50.06	51.50	45.57
13	52.88	44.22	42.40	41.48	42.65	44.24	44.43	.....	50.50	50.17	51.49	45.56
14	52.68	43.70	42.47	41.60	42.63	44.37	44.54	.....	50.52	50.10	51.55	45.52
15	52.43	43.40	42.33	41.62	42.76	44.41	44.57	48.10	50.58	50.32	51.59	45.52
16	51.96	43.05	42.22	41.62	42.90	44.42	44.65	48.24	50.77	50.35	51.66	45.52
17	51.60	42.96	42.22	41.47	42.98	44.61	44.66	48.29	50.88	50.37	51.75	45.43
18	50.47	42.92	42.50	41.46	43.08	44.57	44.78	48.30	50.92	50.34	51.70	45.44
19	50.45	42.84	42.51	41.64	43.12	44.45	44.78	48.49	50.84	50.25	51.54	45.30
20	50.38	42.87	42.28	41.65	43.18	44.58	44.93	48.66	50.87	50.37	51.55	45.53
21	49.90	42.62	42.18	41.75	43.19	44.73	45.06	48.70	50.77	50.37	51.48	45.54
22	49.36	42.28	42.07	41.81	43.26	44.73	45.10	48.82	50.42	50.40	50.61	45.37
23	49.16	42.40	42.14	41.67	43.35	44.44	45.12	48.97	50.06	50.65	50.12	45.37
24	48.91	42.46	42.14	41.66	43.43	44.75	45.30	49.02	50.02	50.70	50.04	45.34
25	48.88	42.50	42.27	41.93	43.48	44.68	45.40	49.10	49.83	50.80	49.77	45.35
26	48.75	42.51	42.16	42.04	43.55	44.26	45.47	49.18	49.73	50.87	49.20	45.57
27	48.70	42.44	41.75	42.18	43.59	43.97	45.58	49.26	49.65	50.79	49.34	45.60
28	47.97	42.18	42.14	42.28	43.57	43.94	45.72	49.30	49.64	50.90	49.34	45.36
29	47.19		42.53	42.22	43.62	43.77	45.84	49.37	49.62	51.00	49.34	45.26
30	47.21		42.59	42.18	43.55	43.83	46.02	49.47	49.62	51.02	49.18	45.35
31	46.70		42.51		43.76		46.13	49.53		50.98		45.55

Pit D. Paul Beninghofen gravel pit (Symmes Lake). Staff gage on north shore of pit.

Highest water level 0.96, Dec. 15, 1941; lowest 18.00, Feb. 7, 1944. Records available: 1938-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	15.55	Apr. 4	12.55	June 27	14.30	Sept. 26	14.10
10	8.80	11	12.28	July 11	15.46	Oct. 3	15.72
24	11.15	18	13.56	18	15.70	17	14.80
31	9.63	25	13.53	25	15.89	24	15.84
Feb. 7	12.49	May 2	12.59	Aug. 1	16.30	31	16.28
14	7.80	9	14.13	8	16.50	Nov. 8	16.40
21	9.88	16	14.60	22	16.30	14	15.22
28	12.10	23	14.68	29	16.40	21	12.17
Mar. 7	13.35	31	15.05	Sept. 5	15.27	Dec. 5	8.15
14	12.58	June 6	15.10	12	16.44	12	11.60
21	13.65	13	15.25	19	16.45	19	14.10
27	12.74	20	14.75				

117. Anna Magie. Lat. 39°21'30", long. 84°34'56". Driven unused well in gravel, diameter 1½ inches, depth 40 feet. Records available: 1938-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	28.87	Apr. 4	21.12	July 5	23.85	Oct. 3	28.54
10	26.77	11	20.65	11	24.08	10	27.61
17	24.80	18	20.73	18	24.42	17	28.96
24	23.70	25	21.02	25	24.77	24	28.76
31	22.68	May 2	21.27	Aug. 1	25.14	31	27.26
Feb. 7	22.27	9	21.33	8	25.49	Nov. 7	29.34
14	21.78	16	21.88	22	25.15	14	29.35
21	19.75	23	22.47	29	28.50	21	27.42
28	19.77	31	22.92	Sept. 5	26.56	Dec. 5	25.50
Mar. 7	20.24	June 6	23.15	12	26.78	12	24.47
14	20.74	13	23.40	19	26.98	19	24.30
21	20.98	20	23.65	26	26.86	26	24.45
28	21.02	27	23.75				

T-50. Mary Gerber. Lat. 39°22'01", long 84°33'48". Driven test well in gravel, diameter 1½ inches, depth 21 feet. Highest water level 6.06, June 10, 1947; lowest 17.83, Sept. 30, 1941. Records available: 1939-50.

T-50--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	15.55	Apr. 4	11.15	June 27	13.12	Sept. 26	14.16
10	12.30	11	10.42	July 5	13.27	Oct. 3	14.20
17	10.43	18	10.98	11	13.24	10	14.45
24	10.23	25	11.45	18	13.55	17	14.12
Feb. 7	10.35	May 2	11.63	25	13.67	24	14.35
14	9.63	9	11.75	Aug. 1	13.85	31	14.60
21	7.56	16	12.06	8	14.04	Nov. 7	14.78
28	8.55	23	12.38	22	14.35	14	14.69
Mar. 7	9.76	31	12.66	29	14.50	21	14.44
14	10.54	June 6	12.84	Sept. 5	14.42	Dec. 5	13.07
21	10.91	13	13.00	12	14.55	12	11.77
28	11.01	20	13.06	19	14.68	26	12.85

T-51. Miami Conservancy District. Lat. $35^{\circ}21'09''$, long. $84^{\circ}33'48''$. Driven test well in gravel, diameter $1\frac{1}{2}$ inches, depth 29 feet. Highest water level 6.10, Apr. 21, 1940; lowest 18.80, Feb. 6, 1945. Records available: 1939-50.

Jan. 3	15.95	Apr. 11	13.07	July 5	14.91	Oct. 3	16.23
10	9.34	18	14.23	11	16.00	10	13.97
17	6.19	25	13.99	18	16.47	17	15.45
24	11.11	May 2	12.82	25	16.33	24	16.27
31	10.60	9	14.78	Aug. 1	16.57	31	16.65
Feb. 7	13.29	16	15.13	8	16.87	Nov. 7	16.73
14	7.15	23	14.98	22	16.75	14	15.77
21	10.63	31	15.73	29	16.51	21	11.91
Mar. 7	14.05	June 6	15.46	Sept. 5	15.98	Dec. 5	9.38
14	13.13	13	15.72	12	16.83	12	12.50
21	12.88	20	15.40	19	16.91	19	14.60
28	12.98	27	14.90	26	14.90	26	14.93
Apr. 4	12.25						

150-2. Mrs. J. Wesley Morris. Formerly Harry A. Morris. Lat. $39^{\circ}21'01''$, long. $84^{\circ}29'18''$. Dug unused well in gravel, diameter 24 inches, depth 28 feet. Highest water level 1.00, Mar. 16, 1943; lowest 21.37, Aug. 12, 1941. Records available: 1938-50.

Jan. 3	13.36	Apr. 4	1.07	July 5	4.66	Oct. 10	8.25
10	1.35	11	3.29	11	5.35	17	7.70
17	1.59	18	3.29	18	6.12	24	7.80
24	1.42	25	3.65	25	6.75	31	7.93
31	1.63	May 2	4.13	Aug. 1	7.51	Nov. 8	8.32
Feb. 7	2.30	9	4.19	8	8.16	14	7.95
14	1.05	16	4.54	22	9.28	21	2.61
21	2.23	23	5.30	29	9.92	28	3.18
28	2.39	31	6.06	Sept. 5	10.04	Dec. 5	2.10
Mar. 7	2.84	June 6	5.85	12	10.25	13	2.45
14	2.51	13	6.45	19	10.22	20	3.03
21	2.10	20	6.80	26	8.37	27	3.07
27	2.62	27	3.12	Oct. 3	8.00		

151-1. U. S. Geol. Survey test well on property of Harry A. Morris. Lat. $39^{\circ}21'00''$, long. $84^{\circ}29'18''$. Drilled test well in gravel, diameter 6 inches, depth 227 feet. Highest water level 1.45, June 4, 1947; lowest 33.20, Dec. 24, 1941. 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	21.37	9.44	5.87	6.64	6.89	8.32	7.78	10.81	14.59	13.82	15.50	12.90
2	21.37	9.08	6.07	6.72	6.84	8.33	7.82	11.04	14.67	13.90	15.62	12.75
3	21.32	8.97	6.14	6.60	6.88	8.25	7.87	11.24	14.67	14.06	15.65	12.55
4	21.30	8.75	6.15	6.43	6.92	8.30	7.95	11.42	14.68	14.17	15.70	.....
5	21.23	8.60	6.05	5.82	6.93	8.30	7.97	11.60	14.77	14.25	15.80	9.90
6	20.82	8.26	6.15	5.36	7.17	8.44	8.02	11.78	14.80	14.36	15.90	9.83
7	20.23	8.42	6.02	5.29	7.33	8.50	8.08	11.92	14.80	14.42	15.93	9.42
8	19.65	8.41	6.34	5.33	7.39	8.53	8.13	12.08	14.85	14.43	.....	9.25
9	18.97	8.06	6.60	5.38	7.18	8.52	8.17	12.20	14.90	14.38	.....	9.00
10	18.47	8.13	6.64	5.27	7.30	8.51	8.23	.....	14.99	14.32	.....	8.66
11	18.17	7.75	6.37	5.56	7.36	8.62	8.30	.....	15.09	14.28	.....	8.60
12	17.62	7.68	6.45	5.62	7.30	8.68	8.32	.....	15.20	14.27	.....	8.50
13	17.11	7.28	6.57	5.76	7.22	8.61	8.45	.....	15.30	14.37	.....	8.63
14	16.62	6.37	6.62	5.88	7.20	8.72	8.56	.....	15.36	14.37	16.03	8.65
15	16.22	5.50	6.52	5.95	7.31	8.77	8.62	14.01	15.42	14.55	16.07	8.74

151-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	15.65	5.35	6.47	5.95	7.45	8.78	8.72	13.05	15.55	14.66	16.02	8.75
17	14.92	5.54	6.47	5.93	7.52	8.92	8.76	13.14	15.66	14.63	16.12	8.78
18	14.13	5.55	6.74	5.97	7.60	8.89	8.95	13.19	15.70	14.67	16.15	8.82
19	13.91	5.76	6.76	6.15	7.64	8.80	8.96	13.35	15.74	14.64	16.15	8.80
20	13.72	5.87	6.58	6.17	7.70	8.89	9.02	13.50	15.74	14.65	16.07	8.97
21	13.34	5.74	6.47	6.25	7.72	9.01	9.22	13.57	15.57	14.73	16.07	8.98
22	12.91	5.52	6.40	6.33	7.78	9.01	9.27	13.66	15.12	14.77	14.54	8.90
23	12.69	5.42	6.43	6.27	7.87	8.98	9.35	13.78	14.48	14.77	14.02	8.90
24	12.43	5.57	6.43	6.28	7.93	9.04	9.50	13.85	14.18	15.08	13.78	8.88
25	12.21	5.63	6.55	6.49	7.97	8.67	9.66	13.96	13.99	15.14	13.54	8.90
26	11.91	5.78	6.48	6.60	8.05	7.88	9.80	14.06	13.87	15.22	12.92	9.03
27	11.45	5.82	6.17	6.72	8.08	7.35	9.54	14.14	13.80	15.23	12.95	9.07
28	10.66	5.65	6.47	6.82	8.07	7.65	10.08	14.20	13.77	15.20	13.00	8.96
29	9.97		6.82	6.78	8.10	7.59	10.23	14.32	13.75	15.27	13.00	8.92
30	9.50		6.87	6.80	8.05	7.71	10.42	14.40	13.77	15.34	12.87	9.00
31	9.48		6.83		8.20		10.57	14.45		15.48		9.17

151-2. Harry A. Morris. Lat. 39°21'00", long. 84°29'18". Drilled U. S. Geol. Survey test well in gravel, diameter 6 inches, depth 52 feet. Highest water level 2.60, June 3, 1947; lowest 30.7, Feb. 8, 10, 1945. Records available: 1940-50.

1948

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	12.57	Apr. 6	5.38	July 27	9.62	Oct. 19	16.15
13	12.68	13	3.02	Aug. 3	10.19	26	16.58
20	12.90	20	3.82	10	10.56	Nov. 2	16.90
27	13.34	27	4.50	17	11.17	9	16.45
Feb. 3	13.52	May 4	4.93	24	11.89	16	16.22
10	13.90	11	5.31	31	12.64	23	16.20
17	10.52	18	5.83	Sept. 7	13.02	30	15.89
24	9.54	22	6.25	14	13.86	Dec. 7	15.21
Mar. 2	7.92	29	8.51	21	14.30	14	15.25
9	7.90	July 6	8.89	28	14.80	22	13.48
16	7.93	13	9.95	Oct. 5	15.28	28	13.00
23	6.67	20	10.50	12	15.82		
30	4.66						

1949

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	7.82	Apr. 12	4.02	July 19	10.08	Oct. 11	16.30
18	6.52	19	4.92	26	10.59	18	16.76
25	3.35	26	5.39	Aug. 2	11.33	25	17.10
Feb. 1	3.52	May 3	5.93	9	11.95	Nov. 1	17.43
8	3.87	10	6.32	16	12.90	8	17.77
15	2.56	17	6.72	23	12.96	15	18.14
22	3.25	24	7.10	30	13.46	22	18.43
Mar. 1	3.94	31	7.47	Sept. 6	14.06	29	19.27
8	4.15	June 7	8.01	13	14.54	Dec. 6	19.05
15	4.18	14	8.36	20	15.08	13	19.42
22	4.15	21	8.18	27	15.45	20	19.60
29	2.80	July 5	8.44	Oct. 4	15.94	27	19.80
Apr. 5	3.56	12	9.22				

1950

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	19.91	Apr. 4	5.72	July 5	7.19	Oct. 3	12.89
10	17.55	11	5.00	11	7.56	10	13.15
17	14.07	18	5.50	18	8.19	17	13.41
24	12.05	25	6.01	25	8.77	24	14.75
31	8.98	May 2	6.42	Aug. 1	9.66	31	14.16
Feb. 7	7.74	9	6.71	8	10.71	Nov. 8	14.58
14	4.36	16	6.98	15	11.49	14	14.75
21	4.71	23	7.36	22	12.22	21	13.32
28	4.83	31	7.68	29	12.86	28	12.40
Mar. 7	5.25	June 6	7.87	Sept. 5	13.41	Dec. 5	9.20
14	5.91	13	8.03	12	13.83	12	9.87
21	5.85	20	8.29	19	14.38	20	8.22
27	5.88	27	6.88	26	12.82	27	8.28

158-1. Ralph Miller. Lat. 39°21'03", long. 84°25'05". Drilled well in gravel, diameter 4 inches, depth 79 feet. Highest water level 18.97, June 3, 1947; lowest 50.38, Feb. 6, 1942. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	36.80	May 9	25.43	July 25	27.28	Oct. 10	31.71
17	33.25	16	25.69	Aug. 1	28.19	17	31.91
Feb. 7	26.28	23	26.06	8	28.05	24	32.15
28	23.17	31	26.42	15	28.80	31	32.53
Mar. 7	23.70	June 6	26.62	22	30.65	Nov. 8	32.90
21	24.39	13	26.74	29	31.29	14	33.21
27	24.50	20	27.00	Sept. 5	31.90	21	31.82
Apr. 4	23.38	27	25.43	12	32.31	Dec. 5	27.58
11	23.45	July 5	25.84	19	32.80	13	26.42
18	24.11	11	26.17	26	31.42	20	26.81
25	24.64	18	26.74	Oct. 3	31.39	27	26.89
May 2	25.13						

158-2. Ralph Miller. Lat. 39°21'03", long. 84°25'05". Drilled well in gravel, diameter 4 inches, depth 38 feet. Highest water level 0.34, Mar. 7, 1944; lowest 10.04, Dec. 19, 1944. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	5.40	Apr. 18	2.80	July 11	3.37	Oct. 3	3.50
10	1.22	25	3.04	18	3.91	10	2.85
17	1.64	May 2	3.66	25	4.19	17	3.73
Feb. 7	1.84	9	3.63	Aug. 1	4.50	24	4.37
21	1.84	16	3.57	8	4.89	31	4.27
28	1.93	23	4.08	15	5.04	Nov. 8	4.55
Mar. 7	2.23	31	3.74	22	5.15	14	3.80
14	1.90	June 6	3.30	29	5.29	21	2.05
21	1.66	13	3.77	Sept. 5	4.99	Dec. 5	1.60
27	1.87	20	3.33	12	5.16	13	2.08
Apr. 4	.84	27	2.63	19	5.43	20	2.87
11	2.09	July 5	2.95	26	2.81	27	2.89

160-1. Orin James. Lat. 39°21'15", long. 84°28'33". Drilled well in gravel, diameter 6 inches, depth 68 feet. Highest water level 11.63, June 3, 1947; lowest 37.83, Feb. 6, 1945. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	28.29	Apr. 11	14.36	June 27	16.74	Oct. 3	21.35
11	25.72	18	15.21	July 5	16.50	10	21.59
17	23.59	25	15.40	11	16.77	17	22.54
24	23.79	May 2	15.50	18	17.95	24	22.03
31	18.92	9	16.00	25	19.13	Nov. 8	22.70
Feb. 14	15.05	16	16.22	Aug. 1	18.41	14	23.00
21	13.93	23	16.60	8	19.57	21	22.42
Mar. 7	14.33	31	17.37	15	20.51	Dec. 5	19.43
14	15.17	June 6	17.15	22	22.04	12	17.20
21	15.19	13	17.23	29	21.29	20	17.37
27	15.17	20	17.47	Sept. 12	22.38	27	17.49
Apr. 4	15.25						

160-2. Orin James. Lat. 39°21'15", long. 84°28'33". Dug unused well, diameter 24 inches, depth 30 feet. Highest water level 0.10, Apr. 20, 1940; lowest 27.20, Jan. 20, 1942. Records available: 1938-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	0.63	0.86	1.40	1.56	2.35	2.69	4.30	6.03	2.78	3.52	1.58
2	....	.74	1.40	1.46	1.60	2.49	2.83	4.38	6.03	2.90	3.56	1.39
3	....	1.10	1.60	1.42	1.62	2.51	2.94	4.45	6.02	2.93	3.57	.60
4	0.12	1.14	1.52	.20	1.76	1.88	2.98	4.54	5.85	3.00	3.55	.92
5	.60	1.03	1.27	.68	1.94	2.07	2.52	4.63	5.70	3.11	3.48	.97
6	.60	.80	.98	.95	1.95	2.38	2.43	4.73	5.55	3.24	3.36	1.02
7	.92	1.02	.94	1.04	1.64	2.62	2.52	4.84	5.43	3.36	3.29	.83
8	1.09	1.04	1.06	1.12	1.85	2.83	2.72	4.94	5.35	3.38	3.22	.92
9	1.05	1.53	1.39	1.19	2.03	2.94	2.90	5.00	5.25	3.12	2.88	1.07
10	.97	.79	1.46	1.17	2.05	2.94	3.09	5.01	5.15	2.02	1.80	1.13
11	.89	.92	1.16	1.35	1.27	3.03	3.27	5.01	5.02	1.85	1.84	1.15
12	.92	.95	.76	1.42	1.32	3.16	3.39	4.91	4.92	2.10	1.88	1.30
13	.68	.12	.76	1.51	1.55	3.26	3.47	4.82	4.78	2.27	1.95	1.37
14	.85	.34	1.17	1.59	1.77	3.36	3.58	4.75	4.68	2.42	2.03	1.37
15	.87	.70	1.07	1.56	1.98	3.44	3.68	4.79	4.62	2.58	2.05	1.32
16	.78	.85	1.05	1.60	2.23	3.44	3.77	4.84	4.58	2.74	2.02	1.54
17	.92	1.01	1.07	1.56	2.38	3.43	3.85	4.91	4.64	2.93	1.82	1.73
18	1.04	1.07	1.22	1.60	2.53	3.18	3.94	4.94	4.68	3.02	1.87	1.87

160-2--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19	1.28	.91	1.37	1.64	2.68	3.00	3.94	4.97	4.70	3.08	1.87	1.98
20	1.42	1.22	1.25	1.5	2.80	2.46	3.92	5.02	4.70	3.18	.80	2.06
21	1.38	1.15	.64	1.66	2.92	2.32	3.82	5.09	4.31	3.25	.87	2.08
22	1.14	.47	.73	1.72	3.00	2.37	3.74	5.16	2.80	3.29	1.04	2.07
23	.93	.75	.90	1.72	3.05	2.45	3.75	5.25	1.68	3.28	1.11	1.85
24	.66	1.01	1.06	1.68	3.05	2.53	3.80	5.35	1.87	3.26	1.34	1.35
25	.76	1.26	1.17	1.69	2.95	1.37	3.90	5.47	2.04	3.30	1.52	1.25
26	.80	1.34	1.17	1.37	2.97	1.50	3.92	5.58	2.26	3.32	1.65	1.58
27	.73	1.43	1.09	1.53	3.03	1.92	3.97	5.71	2.32	3.37	1.71	2.05
28	.85	1.18	1.11	1.68	3.05	2.11	4.02	5.82	2.45	3.44	1.70	2.13
29	.73		1.34	1.71	2.62	2.28	4.09	5.92	2.59	3.49	1.72	2.27
30	.75		1.44	1.68	2.28	2.50	4.17	5.99	2.68	3.49	1.70	2.32
31	.74		1.47		2.18		4.22	6.02		3.50		2.37

165-1. E. C. Sheperd. Lat. 39°20'36", long. 84°27'40". Drilled well in gravel, diameter 6 inches, depth 128 feet. Highest water level 16.23, July 3, 1945; lowest 47.00, Dec. 26, 1944. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	41.39	Apr. 4	34.14	July 5	36.89	Oct. 3	40.00
10	37.67	11	33.35	11	37.85	10	40.07
17	35.85	18	33.92	18	38.05	17	40.22
24	35.82	25	35.49	25	38.32	24	40.42
31	34.78	May 2	35.74	Aug. 1	38.83	31	40.62
Feb. 7	34.97	9	36.13	8	39.59	Nov. 7	40.87
14	33.86	16	36.34	22	40.61	14	40.61
21	33.87	23	36.76	29	41.00	21	39.13
28	33.78	31	37.16	Sept. 5	41.10	Dec. 5	36.90
Mar. 7	34.10	June 6	37.08	12	41.13	12	35.42
14	34.56	13	37.40	19	40.86	19	36.20
21	34.45	20	37.43	26	39.58	26	36.58
28	34.28	27	36.34				

165-2. E. C. Sheperd. Lat. 39°20'36", long. 84°27'40". Dug unused well in gravel, diameter 24 inches, depth 30 feet. Highest water level 3.58, Feb. 16, 1949; lowest 28.90, Feb. 10, 1942. Records available: 1938-50.

Jan. 4	13.65	Apr. 4	4.50	July 5	10.07	Oct. 3	12.63
10	13.47	11	7.00	11	10.36	10	12.68
17	12.86	18	6.02	18	10.60	17	12.75
24	12.03	25	6.55	25	10.80	24	12.76
31	6.95	May 2	7.17	Aug. 1	11.05	31	12.82
Feb. 7	5.48	9	7.48	8	11.49	Nov. 7	12.47
14	4.37	16	7.85	22	11.88	14	12.77
21	4.86	23	8.25	29	12.13	21	12.28
28	4.82	31	8.68	Sept. 5	12.25	Dec. 5	11.80
Mar. 7	5.40	June 6	9.15	12	12.39	12	11.65
14	5.57	13	9.35	19	12.54	19	11.28
21	5.29	20	9.59	26	12.54	26	10.70
28	5.30	27	9.72				

175. J. W. Margonett. Lat. 39°19'28", long. 84°27'06". Dug unused well in gravel, diameter 24 inches, depth 19 feet. Highest water level 4.12, Feb. 14, 1950; lowest 16.95, Oct. 6, 1942. Records available: 1938-50.

Jan. 4	8.08	Apr. 4	4.48	July 5	9.29	Oct. 3	9.73
10	6.53	11	5.88	11	10.09	10	8.99
17	5.21	18	6.55	18	10.61	17	9.02
24	5.56	25	7.50	25	10.46	24	9.46
31	5.30	May 2	7.48	Aug. 1	10.78	31	9.92
Feb. 7	5.78	9	8.89	8	11.32	Nov. 7	10.20
14	4.12	16	8.78	15	11.08	14	9.07
21	5.75	23	9.78	22	11.34	21	6.40
28	5.74	31	9.96	29	11.40	Dec. 5	5.50
Mar. 7	6.23	June 6	9.85	Sept. 5	11.10	12	6.00
14	6.01	13	10.17	12	11.16	19	6.55
21	5.58	20	9.65	19	11.00	26	7.10
28	6.06	27	7.94	26	8.64		

180. Fox Paper Co. Crescentville. Lat. 39°18'05", long. 84°26'18". Drilled unused well in gravel, diameter 26 inches, depth 90 feet. Highest water level 4.50, Apr. 22, 1940; lowest 20.50, Dec. 26, 1944. Records available: 1938-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.72	6.20	6.62	7.91	8.55	11.45	9.14	13.38	15.14	10.26	11.50	8.09
2	14.52	6.16	6.84	7.98	8.52	11.45	9.26	13.50	15.18	10.34	11.76	7.95
3	13.80	6.25	6.92	7.75	8.60	11.34	9.44	13.60	15.12	10.40	11.82	7.75
4	12.56	6.27	6.94	7.40	8.64	11.33	9.63	13.65	14.98	10.62	11.83	7.77
5	12.50	6.26	6.89	7.27	8.72	11.22	9.72	13.77	14.90	10.84	11.88	6.40
6	12.10	6.25	7.00	6.97	9.03	11.20	9.55	13.87	.....	11.13	11.99	6.17
7	10.88	6.58	6.89	6.84	9.27	11.23	9.70	13.96	14.05	11.31	12.02	6.00
8	10.24	6.60	7.26	6.77	9.37	11.25	9.87	14.00	13.98	11.32	11.78	6.06
9	9.27	6.37	7.50	6.78	9.23	11.22	10.09	14.02	13.96	11.20	10.77	6.02
10	8.75	6.34	7.58	6.64	9.33	11.23	10.38	14.09	14.12	9.71	10.02	6.16
11	8.57	6.42	7.32	6.85	9.04	11.42	10.66	14.14	14.20	9.70	10.00	6.27
12	8.42	6.44	7.42	6.92	8.93	11.50	10.75	14.17	14.13	9.75	9.88	6.54
13	7.73	6.12	7.58	7.10	8.84	11.43	11.09	14.19	14.02	9.85	9.76	6.74
14	7.62	5.87	7.65	7.22	8.84	11.60	11.32	14.20	13.80	9.77	9.70	6.82
15	7.40	5.55	7.55	7.37	9.03	11.65	11.50	14.25	13.49	9.93	9.56	7.13
16	7.08	5.53	7.52	7.40	9.22	11.74	11.67	14.35	13.52	10.00	9.53	7.23
17	6.75	5.71	7.52	7.41	9.35	11.87	11.76	14.40	13.70	10.07	9.62	7.41
18	6.36	5.76	7.80	7.52	9.64	11.81	11.72	14.35	13.72	10.01	9.58	7.48
19	6.62	6.02	7.84	7.70	9.82	11.61	11.94	14.46	13.77	9.89	9.48	7.53
20	6.70	6.15	7.64	7.70	10.07	11.59	12.18	14.60	13.77	10.05	9.15	7.80
21	6.57	6.05	7.51	7.70	10.22	11.55	12.32	14.62	11.77	10.09	8.62	7.82
22	6.55	5.92	7.41	.....	10.48	11.46	12.37	14.72	10.76	10.17	8.01	7.75
23	6.63	6.00	7.52	.....	10.66	11.22	12.39	14.84	10.60	10.41	7.86	7.75
24	6.61	6.20	7.52	.....	10.73	11.15	12.59	14.89	11.	10.52	7.90	7.84
25	6.68	6.27	7.67	.....	10.85	11.07	12.68	14.92	.....	10.75	7.79	7.91
26	6.63	6.43	7.58	.....	.....	8.99	12.69	15.00	.....	10.87	7.57	8.18
27	6.57	6.50	7.31	.....	11.04	8.77	12.77	15.04	11.60	10.89	7.79	8.22
28	6.08	6.34	7.63	8.34	11.11	8.78	12.87	15.08	10.15	11.17	7.90	8.07
29	6.10	.....	8.00	8.37	11.15	8.88	12.98	15.12	10.15	11.37	7.61	8.10
30	6.18	.....	8.07	8.45	11.11	9.02	13.13	15.17	10.14	11.42	8.03	8.31
31	6.22	.....	.....	.....	11.31	.....	13.25	15.20	.....	11.45	.....	8.57

Champaign County

Ch-1. State of Ohio. Lat. 40°06'36", long. 83°48'00". Drilled observation well in gravel, diameter 6 inches, depth 45 feet. Highest water level 2.30, Jan. 17, 1950; lowest 8.84, Oct. 7, 1950. 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	8.32	6.26	6.79	7.20	7.10	7.82	8.13	8.30	8.59	8.78	8.69	.....
2	8.34	6.46	6.82	7.22	7.13	7.83	8.14	8.32	8.59	8.80	8.71	.....
3	8.34	6.60	6.91	7.22	7.19	7.84	8.14	8.34	8.60	8.80	8.72	.....
4	7.80	6.70	6.96	7.19	7.23	7.86	8.05	8.36	8.63	8.82	8.72	6.16
5	6.47	6.78	7.01	6.91	7.27	7.88	7.54	8.37	8.65	8.83	8.74	6.46
6	6.49	6.83	7.05	7.10	7.33	7.90	7.61	8.40	8.66	8.83	8.75	6.63
7	4.63	6.91	7.08	7.26	7.38	7.92	7.68	8.42	8.68	8.84	8.76	6.63
8	4.89	6.93	7.08	6.40	7.40	7.94	7.73	8.44	8.69	8.84	8.76	5.83
9	5.10	6.83	7.15	6.52	7.41	7.95	7.79	8.45	8.70	8.62	8.76	6.18
10	5.09	6.44	7.18	6.57	7.42	7.94	7.84	8.47	8.71	8.20	8.61	6.43
11	3.93	6.64	7.19	6.65	7.35	7.85	7.88	8.49	8.71	8.14	8.63	6.62
12	4.12	6.68	7.17	6.76	7.39	7.88	7.92	8.50	8.71	8.19	8.64	6.80
13	.....	6.67	7.13	6.86	7.42	7.90	7.96	8.52	8.59	8.24	8.66	6.93
14	.....	5.21	7.06	6.94	7.44	7.94	7.99	8.53	8.63	8.29	8.67	7.04
15	.....	4.84	7.07	7.01	7.49	7.95	8.02	8.55	8.66	7.34	8.69	7.15
16	3.97	5.25	7.12	7.06	7.52	7.97	8.03	8.57	8.69	8.37	8.71	7.25
17	2.31	5.55	7.14	7.11	7.55	7.99	8.07	8.58	8.71	8.41	8.72	7.43
18	3.22	5.73	7.17	7.16	7.57	7.99	8.07	8.59	8.72	8.43	8.74	7.43
19	3.79	5.92	7.13	7.20	7.60	8.00	8.03	8.55	8.73	8.46	8.75	7.50
20	4.23	6.15	7.15	7.24	7.61	8.02	8.09	8.59	8.74	8.47	7.72	7.56
21	4.55	6.25	7.08	7.28	7.63	8.04	8.11	8.60	8.74	8.51	7.20	7.71
22	4.77	6.20	6.92	7.31	7.63	8.05	8.13	8.61	8.65	8.54	7.35	7.67
23	4.96	5.84	6.90	7.31	7.66	8.05	8.16	8.62	8.68	8.56	7.49	7.71
24	5.03	5.96	6.95	7.29	7.68	8.07	8.18	8.65	8.71	8.58	7.60	7.75
25	5.03	6.18	7.03	7.31	7.70	8.08	8.22	8.66	8.73	8.60	7.68	7.78

Ch-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	5.09	6.39	7.03	7.33	7.72	8.03	8.23	8.67	8.74	8.62	7.78	7.84
27	5.14	6.53	7.03	7.35	7.73	8.07	8.23	8.69	8.75	8.62	7.87	7.87
28	5.45	6.59	7.03	7.37	7.75	8.08	8.25	8.59	8.76	8.63	7.94	7.90
29	5.69		7.12	7.39	7.76	8.10	8.27	8.59	8.77	8.66	....	7.93
30	5.94		7.15	7.39	7.78	8.11	8.28	8.58	8.78	8.67	....	7.95
31	6.19		7.17		7.80		8.30	....		9.68	....	8.00

Clark County

C1-1. E. L. Shuey. Lat. 39°59'03", long. 83°43'56". Drilled test well in gravel, diameter 6 inches, depth 57 feet. Highest water level +1.0, Mar. 23, 1948; lowest 3.9, Aug. 26, 1950. Records available: 1948-50.

Daily lowest water level from recorder graph

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.12	3.17	3.25	3.24	3.55	3.67	3.70	3.73	3.80	3.81	....
2	3.13	3.23	3.26	3.30	3.56	3.65	3.75	3.70	3.80	3.82	....
3	3.17	3.24	3.26	3.33	3.55	3.64	3.77	3.70	3.80	3.82	....
4	3.20	3.24	3.04	3.34	3.51	3.52	....	3.73	3.81	3.80	2.80
5	3.20	3.24	2.63	3.37	3.53	3.47	....	3.76	3.82	3.83	3.08
6	3.12	3.20	2.93	3.39	3.55	3.51	....	3.78	3.83	3.83	3.20
7	3.10	3.20	3.03	3.41	3.57	....	3.79	3.79	3.84	3.83	3.08
8	3.13	3.19	3.12	3.41	2.57	....	3.81	3.80	3.84	3.83	3.14
9	2.76	3.22	3.16	3.41	3.57	....	3.78	3.80	3.17	3.81	3.30
10	2.95	3.24	3.16	3.41	3.52	3.64	3.75	3.78	....	3.73	3.40
11	3.07	3.21	3.22	3.41	3.56	3.65	3.74	3.78	....	3.77	3.46
12	3.10	3.18	3.26	3.42	3.58	3.66	3.77	3.78	....	3.79	....
13	2.75	3.07	3.27	3.45	3.56	3.63	3.80	3.79	....	3.79	....
14	2.04	3.17	3.29	3.45	3.56	....	3.82	3.80	....	3.79	....
15	2.58	3.20	3.30	3.45	3.56	....	3.82	3.81	....	3.80	....
16	2.75	3.22	3.31	3.46	3.57	....	3.85	3.81	3.74	3.82	....
17	2.84	3.23	3.32	3.46	3.58	3.68	3.86	3.82	3.75	3.82	....
18	2.89	3.24	3.35	3.45	3.57	3.60	3.83	3.85	3.76	3.83	....
19	2.88	3.28	3.55	3.48	3.55	3.63	3.82	3.84	3.77	3.83	....
20	3.01	3.28	3.38	3.50	3.56	3.64	3.85	3.82	3.77	3.27	....
21	2.82	3.01	3.39	3.51	3.59	....	3.85	3.82	3.77	3.17	....
22	....	3.07	3.40	3.48	3.59	....	3.86	3.58	3.77	3.38	....
23	2.84	3.14	3.40	3.51	3.59	....	3.88	3.68	3.77	3.48	....
24	2.96	3.17	3.14	3.52	3.58	3.70	3.88	3.72	3.78	3.58	....
25	3.04	3.20	3.18	3.53	3.54	3.70	3.88	3.73	3.79	3.78	....
26	3.12	3.20	3.19	3.53	3.58	3.70	3.90	3.74	3.60	3.53	....
27	3.14	3.20	3.27	3.53	3.61	3.75	3.90	3.76	3.80	3.70	....
28	3.15	3.16	3.32	3.53	3.62	....	3.89	3.78	3.80	....	....
29	....	3.22	3.34	3.53	3.63	....	3.73	3.79	....	....	....
30	....	3.25	3.31	3.54	3.66	....	3.73	3.79	3.80	....	....
31	....	3.25		3.54		3.74	3.70		3.81	....	....

Darke County

D-1. City of Greenville. Lat. 40°06'46", long. 84°38'44". Drilled test well in gravel, diameter 4 inches, depth 92 feet. Highest water level 8.6, Aug. 18, 1950; lowest 30.7, Dec. 9, 1949. 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	23.16	19.94	29.67	20.90	25.51	26.60	24.65	16.14	25.18	25.61	....
2	23.20	20.20	19.70	20.41	25.53	26.58	23.00	15.50	25.00	25.88	....
3	23.27	20.22	19.08	20.25	25.65	26.56	21.82	....	25.10	25.97	....
4	23.36	20.27	19.38	20.30	25.79	26.55	20.68	....	....	25.90	21.70
5	29.96	23.27	20.30	19.40	19.72	25.78	26.50	19.64	....	25.31	....	21.70
6	22.84	20.00	19.30	20.72	25.97	26.58	18.65	....	25.37	25.70	21.59
7	23.00	19.91	19.22	21.20	26.05	26.65	17.66	....	25.44	25.88	21.07
8	23.05	20.74	19.21	21.80	26.10	26.70	16.70	22.73	25.44	25.90	21.10
9	22.96	20.92	19.25	20.79	25.55	26.70	15.70	23.30	25.08	26.05	20.88
10	22.95	21.00	18.69	21.19	23.50	26.69	14.69	23.40	25.13	26.07	20.65

D-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	22.80	20.71	18.99	21.38	24.08	26.15	13.65	23.85	25.12	26.12	21.33
12	27.27	22.77	20.75	19.32	21.33	24.59	24.20	12.69	24.35	25.25	26.13	20.00
13	.....	22.29	20.43	19.41	21.29	24.69	22.62	.....	24.75	25.21	25.47	20.43
14	.....	21.17	20.64	19.40	21.18	25.17	21.70	.....	25.01	24.99	25.59	20.47
15	.....	20.28	20.09	19.53	20.95	25.36	20.70	.....	25.26	25.12	25.58	20.67
16	.....	19.65	21.02	19.76	21.70	25.60	19.70	8.94	25.48	25.06	25.63	20.82
17	.....	19.47	21.34	20.34	22.12	25.93	18.80	8.94	25.65	24.98	25.76	20.83
18	.....	19.33	21.72	21.23	22.40	26.00	18.10	8.60	25.70	25.02	25.75	20.85
19	28.54	19.37	21.78	21.38	22.68	25.90	20.70	13.45	25.92	25.04	25.60	21.00
20	.....	19.18	21.10	21.38	23.00	26.03	21.92	16.40	26.05	25.20	25.05	21.10
21	.....	18.78	21.06	21.53	23.05	26.21	22.57	18.20	26.05	25.20	25.00	21.10
22	.....	18.33	20.78	21.60	.....	26.21	23.38	19.65	26.00	25.05	24.20	21.10
23	.....	19.00	20.83	21.43	.....	26.32	23.95	20.90	25.78	25.23	24.03	21.15
24	.....	19.73	21.00	21.34	23.75	26.44	24.40	21.95	25.60	25.21	23.50	21.18
25	.....	20.06	21.07	20.76	24.09	26.42	24.58	22.63	24.97	25.47	23.39	21.55
26	23.89	19.93	20.99	21.13	24.41	25.60	24.90	23.10	24.78	25.50	22.87	21.52
27	23.83	19.68	20.30	21.23	24.70	26.06	25.12	23.54	24.85	25.45	22.83	.....
28	23.60	19.73	20.18	21.52	24.90	26.19	25.36	23.80	24.95	25.62	.....	.....
29	22.84	.....	20.34	21.45	24.94	26.28	25.53	.....	24.99	25.66	.....	.....
30	22.80	.....	20.38	21.44	25.00	26.48	25.70	.....	25.09	25.62	.....	.....
31	23.14	.....	20.32	.....	25.30	.....	25.75	18.79	.....	25.53	.....	.....

Delaware County

Dl-1. Oscar Case. Lat. 40°20'10", long. 83°03'12". Drilled unused well in limestone, diameter 6 inches, depth 116 feet. Water level responds to changes in stage of the Olentangy River. Highest water level 7.40, June 4, 1947; lowest 19.12, Dec. 31, 1949. 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	19.13	10.17	10.23	9.78	10.90	14.24	16.27	17.17	18.20	18.67	18.84	16.49
2	19.13	10.29	10.87	9.96	10.70	14.31	16.29	17.21	18.22	18.68	18.87	16.45
3	19.13	10.40	11.18	9.93	10.31	14.26	16.34	17.26	18.24	18.69	.....	16.08
4	19.14	10.40	11.36	11.83	10.15	14.41	14.40	17.29	18.26	18.71	.....	15.45
5	19.14	10.40	11.30	9.72	10.16	14.58	16.45	17.32	18.28	18.72	.....	14.95
6	19.14	10.24	11.63	9.30	10.57	14.90	16.51	17.37	18.30	18.72	.....	14.17
7	19.14	10.69	11.58	9.02	11.05	15.05	16.60	17.42	18.31	18.74	.....	13.20
8	19.14	10.69	11.80	8.75	11.24	15.18	16.65	17.43	18.33	18.74	.....	12.49
9	19.11	10.30	12.32	8.81	11.06	15.18	16.69	17.46	18.33	18.74	.....	12.20
10	.....	10.26	12.40	8.70	11.23	15.10	16.71	17.47	18.34	18.75	19.04	11.62
11	.....	10.00	12.07	8.62	11.36	15.26	16.73	17.52	18.34	18.75	19.04	11.50
12	.....	10.01	11.94	8.64	11.28	15.32	16.74	17.55	18.35	18.75	19.05	11.48
13	.....	9.84	11.45	8.92	11.06	15.24	16.74	17.62	18.38	18.74	19.06	11.62
14	.....	9.28	11.39	9.18	11.05	15.19	16.81	17.64	18.39	18.74	19.06	11.68
15	.....	9.07	10.91	9.34	11.27	15.26	16.85	17.64	18.42	18.74	19.08	11.92
16	.....	9.17	10.63	9.48	11.56	15.18	16.89	17.67	18.46	18.74	19.08	12.04
17	11.39	9.42	10.37	9.57	11.72	15.48	16.90	17.72	18.48	18.74	19.10	12.25
18	10.87	9.42	10.65	9.81	12.01	15.48	16.95	17.72	18.51	18.74	19.10	12.36
19	11.22	9.57	10.71	10.19	12.16	15.36	16.96	17.72	18.55	18.74	19.10	12.42
20	11.36	9.74	10.43	10.33	12.40	.....	16.99	17.80	18.55	18.74	19.10	12.74
21	11.22	9.60	10.12	10.69	12.42	.....	17.04	17.85	18.56	18.74	19.09	12.85
22	10.98	9.24	9.77	10.83	12.60	.....	17.07	17.87	18.56	18.74	19.08	12.72
23	11.03	9.36	9.45	10.85	12.80	.....	17.10	17.93	18.56	18.74	19.03	12.72
24	10.03	9.51	9.45	11.83	12.94	.....	17.13	17.97	18.56	18.74	18.98	12.82
25	10.90	9.69	9.67	10.97	13.18	.....	17.15	18.01	18.58	18.75	18.89	13.00
26	10.78	9.83	9.66	11.10	13.36	.....	17.15	18.05	18.59	18.77	18.38	13.44
27	10.78	10.03	9.21	11.09	13.46	16.07	17.16	18.08	18.60	18.78	18.35	15.59
28	10.44	9.99	9.52	11.14	13.53	16.10	17.15	18.13	18.62	18.78	.....	13.46
29	9.80	.....	10.08	11.07	13.64	16.12	17.14	18.12	18.64	18.80	.....	13.44
30	10.17	.....	10.21	10.96	13.64	16.20	17.15	18.14	18.66	18.81	.....	.....
31	10.15	.....	10.13	.....	13.90	.....	17.15	18.15	.....	18.82	.....	.....

Dl-3. U. S. Army Engineer Corps. Lat. 40°21'42", long. 83°04'00". Drilled unused well in limestone, diameter 12 inches, depth 135 feet. Highest water level 30.35, Jan. 18, 1950; lowest 37.04, Nov. 1, 1948. Records available: 1948-50.

D1-3--Continued.

Daily lowest water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35.98	33.65	34.33	34.79	34.86	35.75	36.15	36.43	36.26	36.48	36.49	.....
2	36.00	33.97	34.50	34.86	34.88	35.75	36.15	36.47	36.26	36.50	36.56	.....
3	36.50	34.07	34.60	34.80	34.99	35.75	36.18	36.35	36.27	36.52	36.56	.....
4	36.86	34.22	34.67	34.60	35.06	35.75	36.17	36.30	36.38	36.55	.....	33.42
5	35.25	34.26	34.74	33.75	35.12	35.45	36.08	36.37	36.41	36.58	.....	33.93
6	33.45	34.36	34.77	33.47	35.18	35.60	35.87	36.43	36.43	36.58	.....	34.27
7	32.81	34.49	34.70	33.79	35.31	35.66	35.9.	36.47	36.43	36.57	.....	34.26
8	33.25	34.47	34.88	34.13	35.31	35.70	36.00	36.49	36.45	36.55	.....	33.17
9	33.00	34.98	34.97	34.23	35.24	35.74	36.07	36.52	36.48	36.49	.....	33.40
10	33.03	33.44	35.01	34.23	35.31	35.70	36.10	36.52	36.52	36.32	36.34	33.92
11	32.10	33.86	34.94	34.08	35.08	35.74	36.11	36.57	36.56	35.98	36.30	34.18
12	32.02	34.02	34.97	34.27	35.09	35.69	36.14	36.57	36.57	35.93	36.26	34.45
13	32.26	33.98	34.52	34.44	35.15	35.67	36.22	36.55	36.60	36.01	36.31	34.64
14	32.31	32.29	34.63	34.57	35.22	35.77	36.34	36.55	36.36	36.07	36.34	34.77
15	32.37	30.92	34.72	34.67	35.38	35.78	36.26	36.51	36.21	36.19	36.33	34.94
16	31.88	30.93	34.78	34.71	35.41	35.82	36.27	36.55	36.33	36.21	.....	35.00
17	30.50	32.18	34.83	34.71	35.45	35.75	36.26	36.55	36.39	36.26	36.42	35.13
18	30.35	32.59	34.88	34.82	35.48	35.70	36.28	36.54	36.42	36.26	36.40	35.20
19	31.92	33.05	34.87	34.92	35.47	35.69	36.23	36.56	36.41	36.25	36.34	35.28
20	32.42	33.28	34.82	34.95	35.55	.....	36.15	36.59	36.40	36.34	36.10	35.42
21	32.72	33.37	.....	35.05	35.55	.....	36.18	36.23	36.37	36.34	35.03	35.45
22	33.04	33.36	.....	35.08	35.59	.....	36.20	36.32	36.20	36.37	35.12	35.50
23	33.25	32.93	.....	35.06	35.64	.....	36.24	36.41	36.13	36.44	35.40	35.50
24	33.22	33.46	.....	34.92	35.66	.....	36.30	36.44	36.13	36.45	35.45	35.58
25	32.25	33.67	.....	35.63	35.75	.....	36.29	36.50	36.20	.....	.....	35.62
26	32.44	33.87	.....	35.03	35.65	.....	36.29	36.53	36.27	.....	.....	35.76
27	31.98	34.00	34.47	35.12	35.40	35.92	36.31	36.55	36.32	36.45	.....	.....
28	32.32	34.12	34.40	35.17	35.47	35.98	36.32	36.60	36.37	36.52	.....	.....
29	33.00	.....	34.40	35.18	35.54	36.07	36.34	36.58	36.39	36.55	.....	.....
30	33.23	.....	34.62	35.15	35.60	36.13	36.40	36.58	36.43	36.54	.....	.....
31	33.52	.....	34.67	.....	35.69	.....	36.40	36.45	.....	36.50	.....	.....

Fairfield County

F-1. C. E. Howdyshe. Lat. 39°46'06", long. 82°26'42". Drilled unused well in sandstone, diameter 4 inches, depth 110 feet. Highest water level 8.64, Apr. 13, 1950; lowest 16.70, Dec. 31, 1949. 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	16.69	12.77	10.47	9.21	9.06	10.77	11.29	10.65	12.26	13.40	13.97	14.13
2	16.66	12.59	10.55	9.20	9.04	10.85	11.25	10.70	12.30	13.42	13.98	14.11
3	16.59	12.46	10.63	9.15	9.04	10.85	11.18	10.76	12.33	13.42	.....	14.08
4	16.58	12.28	10.65	9.11	9.06	10.85	11.13	10.80	12.45	13.42	.....	.....
5	16.62	12.25	10.25	9.12	9.09	10.93	11.06	10.84	12.50	13.48	14.02	14.18
6	16.58	12.06	10.03	9.09	9.14	11.00	10.98	10.89	12.56	13.52	14.07	14.15
7	16.40	11.93	9.96	9.04	9.22	11.06	10.91	10.96	12.58	13.54	14.08	14.00
8	16.34	11.90	9.88	8.86	9.27	11.12	10.79	11.00	12.62	13.54	14.08	13.86
9	15.98	11.76	10.00	8.86	9.27	11.14	10.72	11.05	12.62	13.52	14.06	13.72
10	15.73	11.72	10.03	8.77	9.31	11.14	10.61	11.08	12.71	13.53	14.11	13.49
11	15.55	11.66	9.75	8.66	9.48	11.20	10.54	11.11	12.75	13.53	14.12	13.29
12	15.44	11.63	9.62	8.66	9.56	11.26	10.47	11.22	12.79	13.57	14.19	.....
13	15.21	11.53	9.63	8.64	9.68	11.27	10.40	11.26	12.86	13.64	14.20	.....
14	15.04	11.39	9.67	8.69	9.71	11.31	10.32	11.30	12.89	13.71	14.21	.....
15	15.00	11.28	9.68	8.71	9.80	11.36	10.31	11.34	12.93	13.72	14.20	.....
16	14.72	11.17	9.68	8.73	9.88	11.34	10.31	11.39	12.99	13.72	14.19	.....
17	14.69	11.07	9.68	8.75	9.95	11.54	10.31	11.45	13.05	13.72	14.20	.....
18	14.43	11.03	9.68	8.78	10.02	11.54	10.31	11.48	13.07	13.72	14.21	12.38
19	14.31	10.89	9.71	8.82	10.09	11.53	10.31	11.51	13.07	13.72	14.20	12.35
20	14.22	10.89	9.70	8.86	10.16	11.57	10.28	11.57	13.09	13.74	.....	12.28
21	14.03	10.85	9.65	8.93	.....	11.61	10.33	11.61	13.09	13.75	.....	12.25
22	13.98	10.73	9.61	9.04	.....	11.63	10.40	11.70	13.06	13.76	.....	12.16
23	13.85	10.67	9.55	9.03	.....	11.64	10.42	11.77	13.14	13.81	.....	12.10
24	13.74	10.67	9.52	9.05	.....	11.66	10.43	11.83	13.21	13.83	.....	12.02
25	13.64	10.62	9.47	9.05	.....	11.43	10.49	11.89	13.25	13.85	.....	11.99
26	13.61	10.59	9.45	9.14	10.40	11.45	10.50	11.95	13.27	13.88	13.99	11.96
27	13.53	10.56	9.30	9.14	10.44	11.40	10.54	11.99	13.30	13.90	14.04	11.94
28	13.42	10.55	9.18	9.13	10.50	11.37	10.52	12.03	13.34	13.93	14.07	11.88

F-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
29	13.19		9.24	9.10	10.57	11.31	10.58	12.09	13.35	13.96	14.08	11.78
30	13.03		9.25	9.07	10.61	11.31	10.62	12.12	13.37	13.96	14.13	11.71
31	12.92		9.25		10.69		10.64	12.15		13.97		11.76

F-2. Pickerington Creamery. Lat. 39°53'25", long. 82°44'50". Drilled unused well in sandstone, diameter 6 inches, depth 190 feet. Highest water level 18.90, May 29, 1946; lowest 23.70, Oct. 2, 1950. 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	22.55	21.93	21.44	21.50	21.98	22.45	22.74	23.06	23.16	23.63	23.37	22.85
2	22.53	21.91	21.47	21.50	22.01	22.47	22.74	23.09	23.13	23.70	23.41	22.81
3	22.43	21.93	21.48	21.47	22.11	22.47	22.70	23.13	23.12	.....	23.41	22.76
4	22.37	21.93	21.48	21.38	22.28	22.40	22.63	23.18	23.12	.....	23.35	22.79
5	22.37	21.93	21.49	21.43	22.30	22.36	22.55	23.25	23.20	.....	23.31	22.81
6	22.29	21.87	21.49	21.45	22.30	22.69	22.51	23.26	23.21	.....	23.31	22.81
7	22.29	21.82	21.48	21.50	22.34	22.56	22.65	23.26	23.21	.....	23.31	22.79
8	22.29	21.82	21.52	21.58	22.38	22.59	22.77	23.24	23.21	.....	23.29	22.78
9	22.24	21.72	21.55	21.60	22.40	22.59	22.79	23.26	23.19	.....	23.28	22.78
10	22.20	21.71	21.56	21.58	22.44	22.56	22.75	23.20	23.18	.....	23.33	22.78
11	22.16	21.76	21.53	21.54	22.46	22.70	22.75	23.21	23.18	.....	23.35	22.77
12	22.16	21.78	21.48	21.57	22.44	22.70	22.83	23.23	23.15	.....	23.35	22.73
13	22.15	21.71	21.45	21.58	22.48	22.68	22.85	23.23	23.14	.....	23.34	22.70
14	22.19	21.70	21.44	21.60	22.49	22.63	22.87	23.21	23.12	.....	23.35	22.69
15	22.19	21.71	21.44	21.64	22.49	22.61	22.89	23.16	23.12	.....	23.33	22.70
16	22.19	21.71	21.44	21.65	22.49	22.56	22.89	23.12	23.12	.....	23.29	22.72
17	22.19	21.69	21.43	21.67	22.51	22.56	22.93	23.20	23.10	.....	23.28	22.73
18	22.18	21.68	21.46	21.70	22.53	22.56	22.96	23.28	23.08	.....	23.27	22.71
19	22.19	21.64	21.46	21.70	22.79	22.52	22.97	23.28	23.05	23.36	23.22	22.65
20	22.19	21.61	21.40	21.71	22.85	22.50	23.04	23.26	23.02	23.36	23.09	22.62
21	22.17	21.57	21.32	21.73	22.85	22.58	23.05	23.19	23.02	23.35	23.03	22.62
22	22.12	21.49	21.32	21.76	22.81	22.62	23.05	23.18	22.91	23.35	23.04	22.58
23	22.07	21.47	21.34	21.77	22.70	22.72	23.02	23.19	22.96	23.32	23.05	22.59
24	21.98	21.51	21.34	21.67	22.62	22.78	22.95	23.18	22.98	23.32	23.03	22.56
25	22.03	21.51	21.39	21.64	22.57	22.70	22.94	23.16	23.02	23.34	22.98	22.53
26	22.04	21.50	21.40	21.71	22.48	22.72	22.97	23.23	23.03	23.35	22.82	22.47
27	22.03	21.50	21.38	21.84	22.49	22.74	23.04	23.26	23.05	23.37	22.80	22.48
28	22.03	21.45	21.46	21.91	22.49	22.74	23.08	23.26	23.08	23.39	22.80	22.47
29	21.98		21.51	21.97	22.47	22.72	23.48	23.25	23.08	23.39	22.80	22.52
30	21.95		21.52	21.98	22.42	22.70	23.09	23.24	23.52	23.40	22.82	22.63
31	21.92		21.52		22.37		23.09	23.20		23.38		22.70

Fayette County

Fa-1. Martha Slagle. Lat. 39°32'09", long. 83°31'50". Drilled unused well in limestone, diameter 5 inches, depth 78 feet. Highest water level 5.13, Apr. 10, 1950; lowest 10.80, Aug. 27, 1948. 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	9.60	6.30	5.65	5.92	6.27	6.62	6.77	7.00	7.14	7.35	7.08	6.21
2	9.50	6.14	5.73	5.85	6.72	6.62	6.73	6.95	7.10	7.34	7.08	6.18
3	9.38	6.18	6.28	5.68	6.26	6.61	6.69	6.99	7.36	7.32	7.11	6.10
4	9.34	6.54	5.87	5.73	6.25	6.84	6.70	7.04	7.17	7.38	7.26	6.10
5	9.34	6.17	5.87	5.74	6.28	6.61	6.70	7.12	7.20	7.38	7.11	6.08
6	9.14	6.03	5.94	5.66	6.40	6.62	6.70	7.25	7.23	7.35	7.11	5.93
7	8.88	6.05	5.84	5.68	6.34	6.66	6.71	7.65	7.24	7.32	7.11	5.86
8	9.20	6.00	5.82	5.66	6.37	6.70	7.15	7.38	7.26	7.30	7.03	5.84
9	8.79	5.93	6.42	5.64	6.30	6.75	7.76	6.77	7.29	7.14	7.02	.....
10	8.56	5.90	6.01	5.13	6.30	6.71	7.24	7.20	7.34	7.12	7.04	.....
11	8.44	5.91	5.92	5.69	6.90	6.86	7.23	7.22	7.36	7.08	7.06	5.72
12	8.25	5.90	5.87	5.67	6.54	6.93	6.95	7.16	7.34	7.15	7.06	5.66
13	8.97	5.76	5.81	5.68	6.40	6.82	6.86	7.16	7.38	7.83	7.00	5.87
14	7.86	5.90	5.86	5.82	6.42	6.88	6.82	7.18	7.80	7.33	6.97	5.69
15	7.80	5.74	5.87	6.33	6.38	6.81	6.87	7.18	7.66	7.14	6.98	5.72
16	7.84	6.25	6.24	5.94	6.42	6.68	6.88	7.07	7.52	7.13	6.88	5.74
17	7.43	5.75	6.18	6.02	6.46	6.72	7.54	7.00	7.56	7.10	7.34	5.79

Fa-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
18	7.22	5.69	6.00	5.93	6.42	6.72	6.96	7.03	7.60	7.13	6.94	5.87
19	7.22	5.68	5.97	5.93	6.35	6.65	6.87	6.94	7.56	7.10	6.81	5.85
20	7.47	5.75	5.89	5.95	6.40	6.64	6.75	6.95	7.54	7.11	6.61	5.87
21	7.13	6.13	5.80	5.99	6.38	6.67	6.84	6.95	7.43	7.11	6.61	5.90
22	6.97	5.60	5.74	6.08	7.08	6.68	6.84	7.32	7.30	7.10	6.52	5.86
23	7.39	5.57	5.85	6.06	6.42	6.73	7.34	7.10	7.39	7.08	6.55	5.87
24	7.00	5.65	5.77	6.59	6.41	6.76	6.90	7.10	7.48	7.08	6.54	5.84
25	6.66	5.67	6.30	6.07	6.45	6.79	7.05	7.09	8.30	7.08	....	5.84
26	6.57	5.66	5.89	6.22	6.55	7.57	6.94	7.32	7.43	7.19	....	5.84
27	6.54	6.14	5.76	6.15	6.60	7.02	6.92	7.26	7.88	7.10	....	5.85
28	6.45	5.72	5.70	6.23	6.56	6.81	6.98	7.17	7.48	7.12	....	5.84
29	6.28		5.78	6.23	6.62	6.74	7.46	7.16	7.40	7.61	....	5.85
30	6.28		5.80	6.20	6.53	6.84	7.14	7.08	7.41	7.26	....	5.87
31	6.32		5.83		6.59		7.05	7.02		7.12		5.85

Franklin County

Fr-3. R. Hann. Lat. 39°51'18", long. 82°57'36". Drilled unused well in gravel, diameter 12 inches, depth 60 feet. Highest water level 3.18, Apr. 14, 1948; lowest 12.40, Dec. 8, 1949. 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	11.66	9.45	10.16	10.45	10.49	11.28	11.58	11.85	11.85	12.13	12.18	11.27
2	11.72	9.48	10.33	10.54	10.39	11.36	11.66	11.84	11.88	12.16	12.19	11.26
3	11.72	9.51	10.48	10.57	10.52	11.39	11.70	11.79	11.80	12.18	12.19	10.81
4	9.67	9.78	10.54	10.43	10.64	11.36	11.70	11.85	11.85	12.20	.....	5.29
5	8.38	9.98	10.64	8.89	10.73	11.27	11.32	11.90	11.88	12.22	.....	7.37
6	7.75	10.14	10.67	10.05	10.83	11.30	10.92	11.95	11.93	12.23	.....	8.39
7	4.42	10.17	10.71	10.77	10.90	11.39	11.11	11.98	12.00	12.24	.....	8.40
8	....	12.10	10.75	11.31	10.97	11.46	11.26	12.02	12.05	12.24	.....	4.97
9	8.13	10.08	10.19	11.65	11.03	11.51	11.42	12.04	12.09	12.23	.....	7.33
10	8.42	8.73	10.84	11.74	11.07	11.54	11.52	12.04	12.12	12.14	11.68	8.43
11	7.07	9.27	10.87	9.74	11.07	11.58	11.62	11.89	12.13	12.08	11.60	9.05
12	6.85	9.60	10.83	9.91	10.81	11.59	11.68	11.95	12.14	11.89	11.69	9.50
13	8.33	9.60	10.55	10.03	10.93	11.59	11.74	12.02	12.14	11.79	11.77	9.85
14	8.10	7.90	9.89	10.30	11.01	11.62	10.76	12.05	12.15	11.80	11.85	10.09
15	8.32	6.20	10.10	10.43	11.09	11.65	11.81	12.07	12.07	11.87	11.90	10.32
16	8.34	7.77	10.27	10.53	11.11	11.68	11.85	.....	12.05	11.93	11.92	10.47
17	7.33	8.65	10.39	10.63	11.16	11.69	11.85	.....	12.07	11.98	11.93	10.62
18	8.42	9.07	10.47	10.72	11.16	11.33	11.89	.....	12.11	12.02	11.92	10.72
19	9.04	9.37	10.43	10.78	11.05	11.31	11.89	.....	12.12	12.06	11.90	10.83
20	9.57	9.63	10.53	10.83	11.14	11.42	11.89	.....	12.11	12.09	11.89	10.93
21	9.89	9.86	10.38	10.88	11.21	11.51	11.89	12.11	12.11	12.11	9.77	11.00
22	10.12	9.88	9.32	10.92	11.27	11.58	11.84	12.13	12.14	12.14	9.92	11.05
23	10.29	8.90	9.37	10.93	11.31	11.63	11.89	12.15	11.82	12.16	10.34	11.09
24	10.29	8.53	9.67	10.78	11.35	11.63	11.89	12.16	11.76	12.18	10.60	11.09
25	7.71	9.15	9.96	10.64	11.39	11.60	11.80	12.17	11.83	12.20	10.86	11.05
26	7.18	9.61	10.15	9.98	11.27	11.32	11.51	12.18	11.91	12.21	11.11	11.03
27	6.77	9.88	10.21	9.77	10.52	.....	11.55	12.19	11.97	12.21	11.18	11.11
28	8.07	10.04	10.19	10.10	10.75	.....	11.66	12.20	12.02	12.16	11.22	11.17
29	8.58		9.75	10.34	10.92	11.36	11.75	12.19	12.07	12.17	11.25	11.20
30	8.69		10.07	10.47	11.07	11.48	11.81	12.16	12.10	12.18	11.27	11.25
31	9.16		10.29		11.19		11.84	12.01		12.18		11.30

Fr-4. R. Hann. Lat. 39°51'18", long. 82°57'36". Drilled unused well in gravel, diameter 6 inches, depth 38 feet. Highest water level 11.8, Apr. 15, 1948; lowest 20.90, Dec. 13, 1949. Records available: 1946-50.

Daily lowest water level from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.25	16.13	18.52	19.04	19.60	19.46	18.72	19.38	20.33	20.59	20.79	20.86
2	20.28	16.59	18.77	19.09	19.73	19.50	18.76	19.46	20.34	20.60	20.80	20.86
3	20.33	17.00	19.06	19.22	19.79	19.53	18.80	19.53	20.34	20.60	20.80	20.86
4	20.37	17.37	19.10	19.37	19.88	19.57	18.88	19.59	20.38	20.60	20.80	20.86
5	20.37	17.67	19.21	19.48	19.97	19.59	18.94	19.65	20.40	20.61	20.80	20.86

Fr-4--Continued.

Daily lowest water level from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	17.10	17.90	19.28	19.53	18.05	19.62	18.99	19.71	20.40	20.62	20.80	20.86
7	16.50	18.15	19.31	19.53	20.11	19.65	19.03	19.76	20.40	20.62	20.82	20.87
8	16.95	18.34	19.37	19.41	20.19	19.68	19.08	19.81	20.41	20.63	20.82	20.87
9	17.39	18.50	19.44	19.34	20.24	19.70	19.14	.....	20.62	20.64	20.82	20.88
10	17.80	18.65	19.45	19.44	20.28	19.74	19.16	.....	20.43	20.64	20.82	20.88
11	18.09	18.79	18.60	19.55	20.32	19.74	19.16	.....	20.44	20.64	20.83	20.89
12	18.28	18.92	18.26	19.64	20.37	19.41	18.86	.....	20.45	20.64	20.84	20.90
13	18.45	19.04	18.56	19.70	20.38	19.10	18.91	.....	20.46	20.64	20.84	20.90
14	18.63	19.14	18.84	18.70	20.44	18.54	18.98	.....	20.48	20.65	20.85	20.88
15	18.78	19.15	19.03	19.60	20.47	17.10	19.05	20.01	20.49	20.66	20.85	20.85
16	18.89	17.43	19.18	19.59	20.50	17.16	19.13	20.02	20.50	20.66	20.85	20.83
17	18.91	16.53	19.31	19.41	20.52	17.18	19.21	20.04	20.52	20.72	20.86	20.82
18	18.87	17.03	19.41	19.19	20.55	17.04	19.28	20.07	20.53	20.72	20.86	20.82
19	18.78	17.50	19.46	19.02	20.58	16.91	19.34	20.09	20.56	20.72	20.86	20.76
20	17.83	17.79	18.51	18.63	20.59	17.99	19.41	20.12	20.56	20.73	20.86	20.71
21	18.05	18.00	19.58	18.84	20.60	18.08	19.46	20.15	20.56	20.74	20.87	.....
22	18.25	18.19	19.62	19.04	20.60	18.18	19.46	20.14	20.57	20.74	20.87	.....
23	18.36	18.19	19.62	19.04	20.59	18.28	18.81	20.18	20.56	20.74	20.88	.....
24	18.37	17.35	19.16	18.77	19.30	18.38	18.80	20.20	20.56	20.74	20.88	.....
25	17.89	17.54	19.05	18.87	19.30	18.47	18.86	20.23	20.56	20.73	20.88	.....
26	17.16	17.67	19.15	19.13	19.31	18.54	18.93	20.26	20.56	20.74	20.88	.....
27	17.16	17.95	18.85	19.29	19.33	18.60	19.01	20.29	20.56	20.74	20.88	.....
28	17.03	18.25	18.88	19.29	19.36	18.60	19.10	20.30	20.56	20.75	20.88	19.57
29	14.71	.....	18.30	19.23	19.38	18.62	19.18	20.30	20.58	20.76	20.88	19.53
30	15.15	.....	18.67	19.43	19.41	18.66	19.26	20.30	20.58	20.76	20.88	19.58
31	15.64	.....	18.96	.....	19.43	.....	19.34	20.32	.....	20.80	.....	19.65

Daily lowest water level from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.72	15.52	16.05	17.91	17.93	19.15	19.78	20.13	20.54	20.56	20.67	18.52
2	19.80	15.62	16.18	17.96	17.97	19.19	19.80	20.14	20.54	20.57	20.68	18.58
3	19.82	15.74	16.31	17.99	18.02	19.23	19.81	20.15	20.54	20.58	20.68	18.58
4	18.24	15.86	16.43	18.01	18.07	19.24	19.81	20.16	20.52	20.60	.....	15.40
5	16.88	15.98	16.54	.....	17.13	19.26	19.81	20.18	20.51	20.61	.....	14.93
6	16.06	16.09	16.63	.....	18.19	19.26	19.41	20.20	20.51	20.62	.....	14.93
7	14.74	16.20	.....	.....	18.25	19.31	19.38	20.20	20.51	20.63	.....	14.93
8	12.50	16.30	.....	.....	18.36	19.35	19.42	20.22	20.51	20.64	.....	14.93
9	12.71	16.36	.....	.....	18.37	19.38	19.47	20.24	20.52	20.65	.....	13.96
10	12.92	16.39	.....	16.11	18.43	19.41	19.51	20.26	20.53	20.65	20.58	14.11
11	13.00	16.45	.....	16.22	18.47	19.45	19.56	20.26	20.54	20.65	20.44	14.28
12	13.14	16.50	.....	16.33	18.51	19.46	19.62	20.27	20.56	20.65	20.41	14.44
13	13.33	16.54	17.29	16.45	18.55	19.47	19.67	20.28	20.57	20.62	20.41	14.62
14	13.45	16.14	17.31	16.58	18.59	19.50	19.72	20.31	20.58	20.60	20.41	14.80
15	13.61	14.93	17.35	16.70	18.64	19.55	19.76	20.36	20.58	20.58	20.41	14.96
16	14.69	14.46	.....	16.83	18.66	19.56	19.81	20.37	20.58	20.57	20.41	15.13
17	13.73	14.61	.....	16.93	18.68	19.59	19.87	20.38	20.58	20.67	20.41	15.30
18	13.98	14.77	.....	17.05	18.70	19.61	19.91	20.40	20.58	20.57	20.42	15.46
19	14.05	14.91	.....	17.17	18.72	19.61	19.95	20.40	20.59	20.58	20.43	15.61
20	14.24	15.18	17.73	17.28	18.74	19.63	19.99	20.42	20.59	20.59	20.43	15.78
21	14.44	15.20	17.66	17.38	18.76	19.64	20.01	20.44	20.60	20.60	18.66	15.91
22	14.65	15.33	17.66	17.49	18.91	19.67	20.04	20.46	20.60	20.61	17.34	16.06
23	14.87	15.36	17.65	17.58	18.93	19.69	20.07	20.47	20.60	20.62	17.50	16.20
24	15.00	15.43	17.67	17.64	18.95	19.72	20.08	20.49	20.56	20.63	17.65	16.33
25	15.00	15.53	17.70	17.70	18.97	19.72	19.48	20.51	20.55	20.64	17.80	16.45
26	15.02	15.63	17.75	17.70	18.98	19.72	19.48	20.52	.....	20.66	17.95	16.57
27	15.03	15.86	17.76	17.69	18.98	.....	19.47	20.54	.....	20.66	18.09	16.68
28	15.06	15.92	17.78	17.70	18.96	.....	19.47	20.55	.....	20.64	18.22	16.80
29	.....	.....	17.78	.....	19.05	19.75	19.49	.....	20.53	20.64	18.33	16.87
30	15.29	.....	17.81	.....	19.08	19.77	19.51	.....	20.54	20.65	18.43	16.98
31	15.40	.....	17.86	.....	19.11	.....	20.12	.....	.....	20.66	.....	17.09

Fr-5. R. Hann. Lat. 39°51'18", long. 82°57'36". Drilled unused well in gravel, diameter 6 inches, depth 43 feet. Highest water level 14.71, Jan. 29, 1949; lowest 23.41, Aug. 14, 15, 1950. Records available: 1946-50.

Fr-5--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21.13	18.89	19.44	19.77	19.77	20.54	20.90	21.19	21.23	21.57	21.69	20.88
2	21.25	19.07	19.57	19.88	19.71	20.63	21.00	21.18	21.28	21.60	21.69	20.88
3	21.25	19.12	19.73	19.92	19.74	20.68	21.05	21.14	21.27	21.62	21.69	20.73
4	20.00	19.28	19.82	19.91	19.87	20.68	21.06	21.16	21.24	21.63	.....	17.60
5	18.63	19.38	19.89	18.95	19.98	20.54	20.23	21.23	21.29	21.65	.....	16.92
6	17.79	19.65	19.95	17.30	20.08	20.54	20.11	21.27	21.34	21.66	.....	17.98
7	16.85	19.71	19.99	18.06	20.14	20.62	20.37	21.31	21.40	21.67	.....	18.19
8	15.45	19.71	20.02	18.64	20.20	20.70	20.59	21.35	21.45	21.68	.....	17.10
9	16.38	19.67	20.05	19.04	20.27	20.77	20.75	23.39	21.49	21.68	.....	16.43
10	17.15	19.08	20.09	19.20	20.32	20.82	20.90	23.39	21.53	21.61	21.30	17.53
11	17.18	18.57	20.12	19.20	20.33	20.84	21.00	23.28	21.55	21.56	21.15	18.35
12	17.91	18.98	20.12	19.21	20.11	20.86	21.06	23.26	21.56	21.39	21.20	18.94
13	18.65	19.03	19.96	19.38	20.13	20.87	21.12	23.34	21.56	21.23	21.31	19.35
14	18.73	18.73	19.15	19.57	20.23	20.88	21.13	23.41	21.57	21.24	21.40	19.67
15	18.84	16.40	19.22	19.71	20.34	20.92	21.16	23.41	21.52	21.32	21.46	19.89
16	18.89	16.53	19.48	19.82	20.37	20.96	21.20	21.44	21.50	21.39	21.48	.....
17	16.70	17.37	19.65	19.90	20.41	20.97	21.22	21.38	21.50	21.45	21.49	.....
18	17.62	18.02	19.75	19.97	20.41	20.73	21.24	21.40	21.53	21.50	21.48	.....
19	18.36	18.45	19.75	20.04	20.27	20.60	21.24	21.40	21.55	21.53	21.47	.....
20	18.95	18.77	19.82	20.07	20.37	20.73	21.24	21.42	21.55	21.56	21.46	.....
21	19.42	19.02	19.82	20.11	20.45	20.82	21.24	21.45	21.55	21.60	20.05	.....
22	19.72	19.12	18.78	20.16	20.53	20.90	21.19	21.48	21.45	21.62	19.20	20.58
23	19.89	18.57	18.61	20.17	20.58	20.96	21.21	21.50	21.35	21.64	19.79	20.60
24	19.92	17.62	18.92	20.10	20.61	20.97	21.24	21.51	21.17	21.66	20.21	20.61
25	18.63	18.15	19.26	19.96	20.65	20.96	21.21	21.53	21.24	21.67	20.48	20.61
26	16.89	18.69	19.50	18.75	20.64	20.71	20.52	21.55	21.32	21.68	20.78	20.54
27	16.89	19.05	19.60	18.77	20.06	.....	20.86	21.56	21.40	21.68	20.85	20.59
28	17.36	19.28	19.60	19.21	19.90	.....	20.97	21.57	21.46	21.67	20.86	20.65
29	18.00	.....	19.01	19.54	20.14	20.62	21.08	21.58	21.50	21.67	20.87	20.72
30	16.22	.....	19.28	19.74	20.31	20.79	21.16	21.56	21.54	21.68	20.88	20.76
31	18.55	.....	19.58	.....	20.45	.....	21.19	21.50	.....	21.68	.....	20.80

Fr-6. R. Hann. Lat. 39°51'18", long. 82°57'36". Drilled unused well in gravel, diameter 6 inches, depth 45 feet. Highest water level 18.70, June 4, 1947; lowest 27.9, Jan. 27, 1948. 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	24.77	21.77	22.09	22.93	22.92	23.80	24.46	24.84	25.25	25.28	25.47	24.70
2	24.85	21.91	22.20	22.99	22.95	23.87	24.49	24.85	25.22	25.30	25.48	24.68
3	24.89	22.08	22.34	23.06	23.01	23.92	24.51	24.86	25.22	25.31	25.49	24.68
4	24.11	22.14	22.46	23.10	23.07	23.95	24.54	24.86	25.20	25.33	.....	22.36
5	23.16	22.28	22.57	22.94	23.13	23.99	24.54	24.88	25.19	25.34	.....	20.99
6	23.48	22.41	22.68	21.43	23.19	24.02	24.26	24.90	25.18	25.36	.....	21.37
7	21.90	22.47	22.78	21.48	23.26	24.06	24.22	24.92	25.18	25.38	.....	21.56
8	20.07	22.62	22.86	21.60	23.31	24.10	24.22	24.95	25.18	25.39	.....	21.54
9	20.63	22.66	22.94	21.73	23.38	24.14	24.26	24.97	25.20	25.40	.....	20.54
10	21.09	22.66	23.03	21.85	23.44	24.19	24.29	24.99	25.21	25.40	25.48	20.83
11	21.14	22.53	23.11	21.95	23.48	24.22	24.34	24.99	25.23	25.41	25.42	21.17
12	21.19	22.57	23.16	22.05	23.50	24.26	24.39	24.99	25.24	25.40	25.33	21.56
13	21.39	22.59	23.17	22.14	23.53	24.30	24.45	25.01	25.26	25.38	25.31	21.88
14	21.47	22.52	23.17	22.26	23.58	24.33	24.49	25.03	25.27	25.36	25.30	22.18
15	21.56	21.02	23.00	22.37	23.60	24.36	24.54	25.05	25.28	25.34	25.30	22.47
16	21.60	20.51	23.02	22.48	23.64	24.40	24.58	25.06	25.28	25.33	25.31	22.72
17	21.50	20.69	23.06	22.56	23.69	24.41	24.62	25.07	25.28	25.32	25.31	22.93
18	21.20	20.95	23.10	22.66	23.71	24.41	24.66	25.09	25.29	25.33	25.32	23.14
19	21.38	21.20	23.13	22.75	23.73	24.42	24.70	25.09	25.30	25.33	25.82	23.30
20	21.62	21.44	23.19	22.82	23.76	24.42	24.73	25.11	25.31	25.34	25.32	23.46
21	21.79	21.65	23.19	22.89	23.79	24.44	24.76	25.12	25.32	25.34	24.26	23.59
22	22.04	21.85	22.91	22.96	23.82	24.46	24.77	25.13	25.32	25.36	23.48	23.72
23	22.38	21.85	22.71	23.01	23.86	24.49	24.80	25.15	25.31	25.38	23.71	23.83
24	22.53	21.55	22.66	23.15	23.89	24.51	24.82	25.17	25.29	25.39	23.89	23.92
25	22.53	21.61	22.70	23.18	23.93	24.52	24.81	25.18	25.26	25.40	24.09	23.99
26	21.32	21.73	22.76	23.18	23.94	24.52	24.81	25.20	25.24	25.42	24.27	24.03
27	21.32	21.83	22.80	22.75	23.93	.....	24.78	25.22	25.24	25.43	24.43	24.09
28	21.32	21.96	22.82	22.74	23.65	.....	24.77	25.23	25.24	25.44	24.53	24.14
29	21.42	.....	22.82	22.80	23.65	24.43	24.78	25.25	25.25	25.44	24.62	24.18
30	21.51	.....	22.82	22.86	23.69	24.44	24.79	25.26	25.26	25.46	24.68	24.24
31	21.63	.....	22.87	.....	23.75	.....	24.83	25.26	.....	25.47	.....	24.29

Fr-8. City of Columbus. Lat. 39°59'00", long. 83°01'00". Drilled test well in gravel, diameter 6 inches, depth 68 feet. Highest water level 14.77, Apr. 8, 1948; lowest 25.1, Dec. 10, 1949. 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	22.34	.....	21.58	21.76	22.06	22.95	23.88	24.04	24.11	24.22	24.43	23.10
2	22.34	.....	21.64	21.86	21.26	23.02	23.88	24.08	24.04	24.26	24.44	23.09
3	22.38	.....	.....	21.89	21.65	23.02	23.88	24.14	23.87	24.32	24.47	20.50
4	21.26	.....	.....	21.73	21.66	22.93	23.80	24.17	23.89	24.40	.....	17.58
5	18.19	.....	.....	19.03	.....	22.93	23.43	24.02	23.98	24.47	.....	18.76
6	17.22	21.61	22.12	18.37	.....	22.54	23.52	24.04	24.10	24.53	.....	20.20
7	16.14	21.61	22.15	.....	.....	22.83	23.31	24.11	24.20	24.56	.....	20.20
8	17.12	21.61	22.16	.....	22.32	23.00	23.14	24.18	24.28	24.56	.....	17.18
9	18.89	21.60	22.16	.....	22.40	23.08	23.29	24.19	24.34	24.40	.....	.....
10	18.89	19.30	22.16	21.21	22.43	23.16	23.35	23.75	24.36	24.26	24.08	.....
11	17.22	19.62	22.16	21.21	22.45	23.16	23.42	23.95	24.40	24.07	24.08	.....
12	17.73	19.62	22.16	21.12	22.18	23.18	23.46	24.10	24.40	22.71	24.05	.....
13	18.39	19.62	22.02	21.43	22.33	23.18	23.46	24.20	24.46	22.91	24.12	.....
14	18.39	17.55	21.13	.....	22.44	23.26	23.54	24.26	24.52	23.24	24.21	.....
15	18.39	15.68	21.48	.....	22.55	23.33	23.58	24.28	24.52	23.39	24.26	21.76
16	18.39	16.00	21.66	.....	22.61	23.40	23.60	24.31	24.12	23.53	24.27	21.97
17	16.60	.....	21.73	22.00	22.69	23.48	23.66	24.34	24.03	23.64	24.29	22.16
18	16.26	.....	21.82	22.10	22.72	23.47	23.67	24.34	24.12	23.69	24.32	22.32
19	16.72	.....	21.81	22.15	22.72	23.29	23.66	24.32	24.14	23.72	24.34	22.44
20	.....	20.74	21.80	22.23	22.75	.....	23.40	24.37	24.12	23.87	24.30	22.56
21	.....	20.82	21.14	22.33	22.83	.....	23.36	24.42	24.16	23.96	20.43	22.66
22	.....	20.82	20.84	22.34	22.87	.....	23.44	24.30	23.66	23.99	20.61	22.71
23	21.28	19.39	20.69	22.39	22.92	.....	23.46	23.98	23.65	24.08	21.36	22.73
24	21.28	.....	21.05	22.18	22.95	.....	23.44	24.08	23.65	24.15	21.87	22.71
25	18.10	.....	21.45	22.09	23.01	.....	23.44	24.17	23.54	24.22	22.05	22.69
26	18.15	.....	21.59	21.73	23.06	.....	23.57	24.25	23.71	24.27	22.06	22.77
27	17.79	21.34	21.62	21.84	23.06	23.64	23.71	24.32	23.85	24.28	22.63	22.86
28	18.71	21.41	21.45	21.99	22.50	23.70	23.83	24.34	23.95	24.28	22.71	22.96
29	.....	.....	20.57	22.08	22.66	23.80	23.92	24.25	24.05	24.33	22.83	23.02
30	22.04	.....	21.24	22.08	22.72	23.80	23.94	24.25	24.14	24.38	22.98	.....
31	20.38	.....	21.58	.....	22.81	.....	23.98	24.11	.....	24.42	.....	.....

Fr-10. State of Ohio. Lat. 40°01'00", long. 83°02'18". Drilled unused well in gravel, diameter 4 inches, depth 75 feet. Highest water level 38.60, Apr. 14, 1948; lowest 46.50, Jan. 31, 1945. 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	44.08	42.55	40.82	40.12	39.70	41.13	42.35	43.23	43.71	44.04	44.00	43.70
2	43.99	42.49	41.10	40.08	39.64	41.15	42.32	43.33	43.71	44.05	43.91	43.60
3	43.80	42.57	41.12	39.98	39.60	41.07	42.33	43.34	43.71	44.04	43.91	43.45
4	43.75	42.49	41.12	40.03	39.72	41.07	42.32	43.39	43.80	43.92	43.80	43.47
5	43.93	42.40	40.99	40.10	39.69	41.07	42.37	43.45	43.85	43.98	43.91	43.55
6	43.86	42.12	40.55	40.24	39.90	41.24	42.43	43.48	43.80	43.92	43.99	43.44
7	43.52	42.28	40.82	40.17	40.15	41.35	42.51	43.52	43.83	43.92	44.02	43.35
8	43.93	42.08	40.53	40.00	40.20	41.45	42.58	43.52	43.83	43.85	43.90	43.25
9	43.58	42.07	40.94	40.02	39.98	41.47	42.62	43.50	43.84	43.75	44.05	43.23
10	43.62	42.06	40.94	39.85	39.87	41.43	42.65	43.45	43.84	43.77	44.05	43.01
11	43.75	42.05	40.70	39.73	39.96	41.53	42.70	43.46	43.87	43.71	44.10	42.97
12	43.64	42.05	40.61	39.72	39.91	41.64	42.58	43.53	43.92	43.85	44.14	42.94
13	43.41	41.92	40.63	39.80	39.79	41.48	42.62	43.56	43.95	43.91	44.09	42.97
14	43.58	41.57	40.73	39.88	39.82	41.55	42.75	43.54	43.97	43.95	44.11	42.99
15	43.56	41.35	40.61	39.88	39.85	41.62	42.79	43.51	43.96	44.05	44.04	43.00
16	43.52	41.34	40.73	39.87	39.98	41.57	42.82	43.47	44.08	44.07	43.95	43.00
17	43.51	41.44	40.62	39.72	39.95	41.78	42.80	43.48	44.16	44.07	44.00	43.00
18	43.01	41.45	40.86	39.67	40.08	41.77	42.85	43.51	44.19	43.98	43.98	43.00
19	43.39	41.34	40.90	39.65	40.13	41.62	42.80	43.47	44.09	43.98	43.85	42.98
20	43.39	41.47	40.71	39.65	40.27	41.75	42.83	43.52	44.03	43.98	43.91	43.10
21	43.26	41.32	40.48	39.67	40.27	41.85	42.85	43.55	44.03	43.92	43.91	43.10
22	43.02	40.78	40.15	39.74	40.24	41.91	42.88	43.58	43.84	43.85	43.80	42.90
23	42.92	40.97	40.22	39.55	40.31	41.90	42.93	43.67	43.99	43.97	43.85	42.50
24	42.85	41.08	40.22	39.51	40.39	41.93	42.98	43.75	44.08	43.97	43.91	42.80
25	42.82	41.15	40.33	39.53	40.52	42.00	43.10	43.75	44.01	44.00	43.88	42.80
26	42.97	41.15	40.32	39.63	40.58	42.00	43.05	43.77	43.99	44.08	43.57	42.90
27	42.98	41.16	39.90	39.67	40.63	42.14	43.09	43.77	43.96	44.05	43.65	42.95
28	42.82	41.05	40.00	39.78	40.69	42.13	43.09	43.78	43.98	44.02	43.72	42.76

Fr-10--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
29	42.52		40.22	39.75	40.77	42.15	43.12	43.72	43.98	44.04	43.62	42.57
30	42.67		40.44	39.66	40.75	42.25	43.13	43.72	43.98	44.08	43.66	42.58
31	42.57		40.41		40.82		43.18	43.73		44.03		42.70

Fr-11. City of Columbus. Lat. 39°58'30", long. 82°56'42". Drilled unused test well in gravel, diameter 6 inches, depth 85 feet. Highest water level 0.04, Feb. 15, 1950; lowest 13.3, Aug. 28, 1950. 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	1.64	0.40	0.42	0.52	3.25	1.10	7.74	10.30	13.01	4.99	4.08	3.43
2	1.58	.48	.44	.50	4.18	1.10	4.00	10.25	12.88	4.92	4.10	3.30
3	1.44	.50	1.30	2.48	4.61	.99	6.30	10.38	10.80	4.86	4.08	3.16
4	1.53	.43	.35	3.58	4.37	.99	.....	.....	8.43	4.81	.....	2.92
5	1.52	.43	.....	3.80	3.55	3.50	6.85	.....	10.52	4.81	.....	3.00
6	1.34	.28	.72	4.13	.....	3.10	7.60	.....	10.74	4.75	.....	2.90
7	1.09	.46	.....	3.93	.....	1.50	8.00	10.18	7.75	.72	.....	2.73
8	1.07	.45	.....	.....	3.70	1.41	8.55	10.50	7.25	4.66	.....	2.59
9	.83	.33	1.40	.....	3.58	3.80	8.75	10.92	6.90	4.58	.....	2.42
10	.92	.32	.33	.....	3.73	1.80	7.90	11.03	6.70	4.60	4.04	2.29
11	.94	.37	1.04	.....	3.72	1.22	8.40	11.03	6.54	4.60	4.04	2.27
12	.81	.40	1.00	.....	3.38	4.27	8.60	11.00	6.40	4.56	4.00	2.30
13	.70	.28	.....	.....	1.38	4.56	.....	11.00	6.28	4.58	3.93	2.31
14	.83	.02	.....	3.12	1.00	4.85	.....	10.80	6.18	4.51	3.93	2.32
15	.83	.04	.36	1.61	3.56	4.95	.....	11.16	6.03	4.54	3.84	2.33
16	.81	.00	.32	.62	3.59	5.12	.....	11.38	5.98	4.50	3.82	2.33
17	.68	.09	.32	2.62	5.10	.....	7.53	11.47	5.91	4.43	3.86	2.30
18	.63	.09	.52	3.22	5.60	.....	.....	10.82	5.83	4.38	3.82	2.31
19	.76	.11	.52	3.45	2.02	5.04	.....	11.00	5.69	4.28	3.69	2.33
20	.78	.33	.36	2.78	1.55	5.33	.....	10.30	5.61	6.10	3.70	2.30
21	.60	4.23	.27	3.13	1.40	5.57	.....	11.34	5.53	4.35	3.70	2.30
22	.54	1.58	.18	1.20	1.24	5.62	.....	11.60	5.40	4.22	3.56	2.26
23	.57	.19	.14	.71	.99	5.38	.....	11.80	5.41	4.30	3.51	2.25
24	.55	.28	.20	4.40	1.02	5.62	8.05	11.70	5.42	4.29	3.60	2.25
25	.50	.32	.35	3.98	1.53	3.94	.....	.....	5.31	8.25	3.54	2.28
26	.56	.32	.28	4.20	1.11	5.65	.....	.....	5.23	5.12	3.50	2.40
27	.56	.64	4.37	3.28	1.06	6.59	.....	.....	5.17	4.55	3.52	2.40
28	.40	.52	3.88	3.56	1.02	7.48	.....	13.31	5.10	4.30	3.51	2.22
29	.40		4.80	2.20	1.01	7.76	.....	12.10	5.04	4.30	3.50	2.13
30	.48		4.98	1.77	.....	7.76	.....	12.94	5.00	4.22	3.40	.....
31	.42		1.42	.....	.....	.....	10.21	12.93		4.13	.....	.....

Fr-12. City of Columbus. Nelson Park pumping station, 145 feet west of bank of Alum Creek, 0.8 mile north of Broad St. Drilled test well in gravel, diameter 6 inches, depth 80 feet. Highest water level 2.4, Feb. 23, 1950; lowest 20.1, Aug. 28, 1950. Records available: 1950.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	2.97	2.62	7.32	8.39	3.52	12.89	16.37	18.98	7.16	6.44	5.60
2	.....	3.04	2.64	5.65	8.89	3.40	6.47	15.57	18.92	7.10	6.43	5.52
3	.....	3.06	.....	8.45	10.68	3.30	11.16	15.72	13.50	7.03	6.42	5.38
4	3.97	3.01	.....	.....	9.63	3.30	.....	16.70	11.10	7.00	.....	5.09
5	3.53	3.00	.....	.....	8.70	8.60	11.90	16.80	15.90	6.99	.....	5.12
6	.....	2.96	.....	.....	.....	.....	13.32	15.47	16.19	6.91	.....	5.06
7	.....	3.07	.....	.....	.....	.....	13.78	15.12	10.30	6.88	.....	4.92
8	.....	3.07	.....	.....	8.72	.....	14.00	15.84	9.72	6.80	.....	4.70
9	.....	2.93	2.80	.....	8.78	8.92	14.03	16.55	9.31	6.71	.....	4.58
10	3.30	2.91	.....	.....	8.91	4.62	.....	16.68	9.07	6.72	6.22	4.50
11	.....	2.98	.....	6.30	8.90	4.09	.....	16.12	8.90	6.71	6.25	4.48
12	.....	3.01	.....	6.38	8.55	9.50	.....	16.52	8.74	6.69	6.20	4.52
13	.....	2.90	.....	6.34	.....	7.71	.....	11.50	8.61	6.70	6.14	4.52
14	.....	.....	.....	8.24	.....	.....	.....	16.55	8.50	6.64	6.14	4.53
15	.....	.....	.....	8.40	8.24	.....	.....	17.00	8.38	6.67	6.07	4.69
16	2.94	.....	.....	.....	.....	10.53	.....	17.26	8.23	6.62	6.04	4.69
17	.....	.....	2.61	7.75	.....	.....	13.20	17.34	8.19	6.59	6.03	4.65
18	.....	.....	2.85	8.35	.....	.....	13.20	16.46	8.10	6.51	.....	4.66
19	3.31	.....	2.85	8.59	.....	10.23	14.18	16.57	7.96	6.42	.....	4.67

Fr-12--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
20	3.20	2.94	2.69	6.43	....	10.55	14.70	12.50	7.89	10.13	5.50	4.67
21	3.10	....	2.60	8.22	....	....	14.70	17.19	7.80	6.70	5.89	4.67
22	3.14	....	2.52	....	....	....	14.50	17.58	7.61	6.57	5.77	4.57
23	3.10	2.40	2.60	....	....	....	10.90	17.70	7.61	6.61	5.72	4.57
24	3.01	2.50	2.60	9.95	6.82	....	13.92	16.98	7.61	6.00	5.80	4.57
25	2.98	2.52	2.66	8.70	3.60	....	14.44	18.50	7.52	13.65	5.73	4.58
26	3.07	4.18	2.59	8.90	3.53	10.11	14.56	19.01	7.47	7.53	5.71	4.69
27	3.03	2.44	....	8.50	3.48	10.12	14.72	19.12	7.39	6.90	5.71	4.69
28	2.88	....	....	3.50	3.42	14.13	15.60	20.10	7.32	6.68	5.71	4.60
29	2.96	....	....	7.13	3.42	13.57	15.17	17.88	7.29	6.63	5.68	4.53
30	3.00	....	....	6.36	3.37	13.64	14.50	17.80	7.20	6.60	5.60	4.53
31	2.99	....	7.23	....	3.42	....	16.15	17.70	....	6.50	....	4.66

Fulton County

Fn-1. City of Delta. Lat. 41°35'05", long 84°00'12". Drilled unused well in gravel, diameter 8 inches, depth 130 feet. Highest water level 62.30, Oct. 11, 1946; lowest 66.10, Jan. 8, 1947. 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	63.79	63.83	63.35	63.28	63.54	63.58	63.81	63.61	63.72	64.07	63.58	63.73
2	63.61	63.94	63.66	63.33	63.49	63.58	63.68	63.70	63.79	64.05	63.75	63.58
3	....	63.94	63.78	63.13	63.49	63.39	63.68	63.81	63.79	64.00	63.78	63.38
4	....	63.98	63.78	63.24	63.26	63.42	63.64	63.84	64.01	63.95	63.60	63.72
5	63.72	63.84	63.54	63.59	63.26	63.47	63.67	63.92	64.11	64.00	63.57	63.92
6	63.69	63.77	63.67	63.79	63.42	63.43	63.74	63.97	64.14	63.92	63.75	63.88
7	64.04	63.86	63.48	63.75	63.88	63.66	63.85	64.00	64.03	63.85	63.85	63.57
8	64.09	63.68	63.25	63.83	63.97	63.80	63.94	63.93	63.86	63.71	63.63	63.67
9	63.51	63.58	63.79	63.83	63.70	63.82	63.93	63.88	63.74	63.56	63.77	63.67
10	63.59	63.58	63.87	63.66	63.61	63.56	63.91	63.83	63.64	63.58	63.92	63.52
11	64.00	63.77	63.55	63.39	63.72	63.72	63.90	63.99	63.61	63.58	64.08	63.52
12	63.90	63.82	63.51	63.42	63.61	63.72	63.92	64.04	63.63	63.66	64.12	63.43
13	63.53	63.74	63.49	63.55	63.34	63.60	63.81	64.05	63.69	63.83	64.09	63.53
14	63.79	63.34	63.62	63.65	63.29	63.60	63.93	64.00	63.69	63.84	64.15	63.60
15	63.78	63.28	63.62	63.66	63.11	63.61	63.92	63.87	63.71	64.42	63.91	63.72
16	63.95	63.44	63.57	63.63	63.41	63.46	63.82	63.80	63.91	64.44	63.70	63.76
17	63.95	63.65	63.43	63.41	63.41	63.73	63.76	63.82	64.07	64.09	63.85	63.90
18	63.65	63.65	63.76	63.31	63.52	63.71	63.83	63.89	64.07	64.06	63.83	63.96
19	63.95	63.77	63.84	63.34	63.53	63.49	63.82	63.70	63.90	63.87	63.49	63.92
20	64.08	63.89	63.68	63.34	63.58	63.41	63.82	63.81	63.91	63.96	63.26	64.10
21	63.86	63.65	63.39	63.43	63.38	63.61	63.91	63.81	63.79	63.84	63.75	64.11
22	64.46	63.16	63.28	63.49	63.40	63.62	63.91	63.75	63.55	63.70	63.68	63.85
23	63.41	63.19	63.26	63.26	63.46	63.44	63.83	63.86	63.79	63.86	63.73	63.83
24	63.37	63.53	63.25	63.17	63.46	63.48	63.74	63.93	63.99	63.86	63.90	63.83
25	63.34	63.65	63.48	63.16	63.53	63.58	63.83	63.84	63.93	63.88	63.88	63.75
26	64.00	63.73	63.48	63.29	63.61	63.51	63.80	63.88	64.04	64.01	....	64.05
27	64.12	63.79	62.87	63.44	63.63	63.68	63.74	63.81	64.00	63.89	....	64.10
28	63.92	63.56	62.93	63.47	63.56	63.68	63.68	63.74	64.05	63.67	....	63.87
29	63.70	....	63.58	63.62	63.48	63.59	63.60	63.71	64.05	63.83	....	63.64
30	63.94	....	63.66	63.63	63.42	63.70	63.59	63.72	64.02	63.82	63.59	63.65
31	63.82	....	63.66	....	63.41	....	63.57	63.70	....	63.69	....	63.90

Fn-2. City of Wauseon. Lat. 41°31'06", long. 84°08'42". Drilled unused well in gravel, diameter 8 inches, depth 150 feet. Highest water level 58.8, Nov. 12, 1950; lowest 57.3, Mar. 27, 1950. 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	58.21	58.10	57.84	57.70	57.96	57.95	56.43	58.13	58.26	58.59	58.48	58.58
2	58.06	57.97	58.06	57.80	57.97	58.06	56.32	58.21	58.32	58.56	58.40	....
3	57.64	58.20	58.18	57.61	57.87	58.09	58.10	58.31	58.32	58.55	58.32	....
4	58.01	58.22	58.17	57.70	57.80	57.92	58.09	58.34	58.51	....	58.45	....
5	58.12	58.23	57.95	58.04	57.76	57.97	58.14	58.40	58.61	58.56	58.57	....

Fn-2--Continued.

Daily lowest water level from recorder graph.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	58.05	57.93	58.09	58.22	57.89	58.15	58.21	58.45	58.63	58.54	58.45	.....
7	58.37	58.23	57.89	58.17	58.28	58.23	58.33	58.46	58.52	58.47	58.26	.....
8	58.41	58.23	57.76	58.25	58.40	58.25	58.40	58.40	58.39	58.35	.....	.....
9	.....	57.99	58.20	58.26	58.15	58.17	58.43	58.37	58.29	58.20	58.50	.....
10	58.00	57.98	58.26	58.10	58.09	58.02	58.40	58.32	58.22	58.22	58.65	.....
11	58.34	58.17	57.96	57.90	58.17	58.16	58.07	58.46	58.21	58.21	58.77	.....
12	58.26	58.21	58.01	57.95	58.07	58.16	57.98	58.46	58.23	58.28	58.81	.....
13	57.94	58.14	57.94	58.05	57.82	58.05	57.97	58.46	58.28	58.43	.....	.....
14	58.17	57.78	58.03	58.03	57.82	58.08	58.07	58.46	58.28	58.44	.....	.....
15	58.17	57.72	58.02	58.15	57.81	58.10	58.05	58.36	58.29	58.66	58.62	.....
16	58.33	57.87	57.99	58.11	57.91	57.94	57.99	58.34	58.47	58.68	58.34	.....
17	58.32	58.05	57.88	57.94	57.92	58.18	57.93	58.36	58.59	58.63	.....	.....
18	58.08	58.05	58.16	57.84	58.00	58.15	.....	58.40	58.60	58.61	.....	.....
19	58.32	58.15	58.24	57.86	58.02	57.94	.....	58.26	58.45	58.46	.....	.....
20	58.42	58.22	58.08	57.86	58.07	57.89	.....	58.35	58.45	58.52	58.58	.....
21	58.22	58.08	57.84	57.94	58.05	58.05	.....	58.33	58.36	58.42	58.62	.....
22	57.90	57.63	57.73	57.98	57.88	57.92	.....	58.30	58.17	58.33	58.59	.....
23	57.85	57.67	57.74	57.76	57.96	57.94	.....	58.40	58.40	58.49	58.55	.....
24	57.78	57.96	57.74	57.69	57.95	58.03	.....	58.47	58.55	58.47	58.72	.....
25	57.75	58.06	57.94	57.60	58.03	57.97	.....	58.41	58.53	58.55	58.71	.....
26	58.25	58.13	57.92	57.76	58.11	56.31	.....	58.43	58.56	58.63	.....	.....
27	58.33	58.18	57.94	57.95	58.13	56.31	.....	58.35	58.54	.....	58.30	.....
28	58.18	57.95	57.45	58.07	58.05	56.32	.....	58.30	58.57	.....	58.46	.....
29	57.99	.....	58.01	58.06	58.01	56.23	.....	58.27	58.58	.....	58.47	.....
30	.....	.....	58.13	58.02	57.94	56.34	.....	58.27	58.56	.....	58.48	.....
31	.....	.....	58.08	.....	.....	.....	58.07	58.25	.....	58.44	.....	.....

Geauga County

Ge-1. Village of Chardon. Drilled unused well in limestone, diameter 8 inches, depth 360 feet. Records available: 1946-50. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	57.81	Jan. 13	57.61	Jan. 23	57.66	Feb. 1	57.97
4	58.26	14	57.95	24	57.68	2	57.97
5	58.33	15	57.90	25	57.84	3	58.06
6	58.17	16	57.98	26	58.14	4	58.03
7	58.27	17	57.96	27	58.25	5	57.98
8	58.32	18	57.75	28	58.06	6	57.65
9	57.80	19	57.92	29	57.85	7	57.96
10	57.86	20	58.04	30	58.06	8	57.92
11	58.20	21	57.78	31	57.97	9	57.52
12	58.00	22	57.58				

Ge-2. D. L. Cameron. Lat. 41°25'42", long. 81°11'56". Drilled unused well in gravel, diameter 6 inches, depth 61 feet. Highest water level 10.1, June 2, 1947; lowest 15.5, Nov. 18, 1949. 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	14.61	12.68	12.02	11.01	10.43	12.60	13.61	14.14	14.75	15.08	15.10	14.34
2	14.59	12.79	12.18	11.15	10.42	12.60	13.62	14.16	14.74	15.09	15.14	14.25
3	14.46	12.82	12.22	10.99	.....	12.59	13.64	14.19	14.76	15.10	15.14	13.96
4	14.35	12.85	12.22	10.78	.....	12.43	13.59	14.22	14.81	15.11	15.08	13.83
5	14.30	12.85	12.07	10.82	11.73	12.51	13.60	14.25	14.84	15.13	15.09	13.87
6	14.11	12.80	12.02	10.91	11.01	12.62	13.66	14.29	14.85	15.14	15.05	13.79
7	.....	12.84	11.76	10.91	11.31	12.67	13.72	14.31	14.86	15.15	15.03	13.68
8	.....	12.84	11.44	11.08	11.38	12.73	13.75	14.33	14.88	15.16	15.03	13.48
9	.....	12.63	11.69	11.15	11.31	12.74	13.79	14.35	14.90	.....	15.06	.....
10	14.64	12.63	11.73	11.10	11.36	12.68	13.82	14.37	14.93	15.15	15.05	.....
11	13.76	12.57	11.51	11.23	11.42	12.76	13.82	14.41	14.93	15.15	15.05	.....
12	13.60	12.59	11.48	11.30	11.38	12.81	13.84	14.43	14.92	15.10	15.05	13.57
13	13.50	12.52	11.39	11.41	11.47	12.82	13.87	14.46	14.91	15.08	15.07	13.59
14	13.60	12.12	11.54	11.49	11.50	12.87	13.90	14.47	14.88	15.07	.....	13.61
15	13.53	11.71	11.49	11.48	11.56	12.91	13.93	14.50	14.86	15.02	15.05	13.65

Ge-2--Continued.

Daily lowest water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	13.17	11.78	11.43	11.44	11.77	12.96	13.96	14.53	14.88	15.00	15.04	13.65
17	13.10	11.92	11.42	.....	11.77	13.07	13.96	14.57	14.90	15.00	15.03	13.66
18	.....	11.91	11.80	11.37	11.78	13.07	13.92	14.57	14.90	14.99	14.99	13.50
19	.....	11.94	11.83	11.44	11.83	13.09	13.92	14.54	14.90	14.95	14.97	13.62
20	.....	12.02	11.66	11.41	11.92	13.15	13.80	14.59	14.88	15.04	14.86	13.69
21	.....	11.90	11.45	11.54	11.94	13.23	13.82	14.61	14.89	15.03	14.60	13.69
22	.....	11.76	11.15	11.59	12.00	13.23	13.86	14.65	14.90	.....	14.54	13.68
23	12.74	11.94	10.94	11.46	12.02	13.27	13.89	14.69	14.97	.....	14.51	13.66
24	12.66	12.05	10.92	.....	12.06	13.35	13.89	14.69	14.98	.....	14.51	13.68
25	12.58	12.11	10.93	10.57	12.17	13.37	13.85	14.74	15.00	15.11	.....	13.70
26	12.49	12.09	10.90	10.60	12.21	13.39	13.88	14.75	15.02	15.12	.....	13.76
27	.....	12.14	10.39	10.71	12.25	13.48	13.92	14.76	15.02	15.11	.....	13.76
28	.....	12.10	10.42	10.85	12.30	13.48	13.97	14.78	15.05	15.10	14.37	.....
29	.....	.....	11.01	10.85	12.36	13.52	14.01	14.80	15.06	15.11	14.34	.....
30	12.66	.....	11.09	10.75	12.42	13.59	14.07	14.79	15.07	15.11	14.32	.....
31	12.69	.....	11.07	.....	12.51	.....	14.08	14.79	.....	.....	.....	.....

Ge-3. City of Chagrin Falls. Lat. 41°25", long. 81°22". Drilled unused well, diameter 6 inches, depth 125 feet. Highest water level 36.10, May 5, 1950; lowest 74.7, Apr. 9, 1948. 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	52.95	42.38	55.08	37.61	36.67	38.69	.....	41.06	.....	.....	.....	.....
2	54.72	40.95	44.51	37.49	36.57	45.80	.....	41.06	.....	.....	.....	.....
3	54.85	39.80	42.26	37.23	36.40	38.88	.....	39.61	.....	58.12	.....	47.85
4	43.11	52.00	41.48	37.19	36.23	37.40	.....	.....	.....	44.50	.....	38.05
5	51.90	42.40	40.71	37.30	36.10	44.60	.....	49.50	.....	41.90	.....	38.00
6	53.36	40.91	.....	37.40	36.10	47.63	.....	40.35	40.14	.....	.....	47.95
7	43.95	40.55	39.90	37.28	36.33	.....	.....	39.13	39.78	.....	.....	37.60
8	43.10	.....	39.32	37.10	45.95	.....	.....	48.16	55.00	44.08	.....	37.53
9	42.22	52.08	39.60	37.11	48.20	46.45	.....	.....	59.05	41.56	.....	37.45
10	51.00	42.48	41.70	36.89	38.76	48.00	.....	.....	61.23	53.61	.....	37.10
11	53.05	41.06	39.19	36.60	.....	38.80	.....	.....	61.70	55.08	.....	36.85
12	46.60	40.80	38.95	36.60	.....	43.77	.....	.....	46.31	43.06	.....	36.90
13	41.30	40.36	38.73	36.55	.....	48.11	.....	.....	43.27	41.36	43.42	36.90
14	.....	39.86	38.80	36.61	.....	48.71	.....	.....	.....	56.63	42.30	37.75
15	.....	39.69	38.66	48.42	.....	49.29	.....	.....	.....	59.60	54.30	36.55
16	.....	39.57	38.56	50.36	.....	41.82	.....	.....	.....	45.	55.70	.....
17	.....	39.65	38.30	39.70	48.67	.....	.....	48.25	.....	42.31	47.20	.....
18	.....	46.70	38.50	38.50	39.20	.....	.....	54.28	.....	.....	41.60	.....
19	.....	51.30	38.50	38.05	39.21	.....	.....	55.26	.....	.....	54.30	38.50
20	.....	41.72	49.91	37.73	36.95	.....	.....	42.70	55.29	44.20	54.60	49.30
21	.....	40.90	51.33	37.38	43.34	.....	39.06	53.88	57.42	43.45	43.20	57.80
22	.....	39.66	40.73	37.40	46.90	.....	.....	55.27	43.80	55.80	41.50	42.70
23	.....	39.42	39.26	43.70	39.33	.....	51.22	.....	41.36	57.60	40.80	41.30
24	.....	39.36	38.96	47.96	37.57	.....	40.60	.....	55.08	44.20	40.30	40.05
25	40.80	39.40	38.69	38.45	36.96	.....	.....	.....	57.59	.....	39.95	39.60
26	40.66	39.21	38.61	37.62	45.30	.....	.....	.....	44.43	52.80	.....	39.25
27	40.66	50.97	37.95	37.36	47.60	.....	51.33	.....	41.80	54.10	.....	38.10
28	40.38	53.80	37.80	37.23	38.88	.....	47.00	.....	56.00	40.00	.....	54.80
29	39.50	.....	38.01	37.11	42.66	.....	48.42	.....	57.62	37.80	.....	55.60
30	50.45	.....	37.90	36.89	46.50	.....	40.85	.....	43.80	56.10	.....	59.00
31	52.35	.....	.....	.....	47.38	.....	.....	.....	.....	57.85	.....	54.00

Greene County

Gr-1. City of Xenia. Lat. 39°44'30", long. 83°56'12". Drilled unused well in gravel, diameter 30 inches, depth 77 feet. Highest water level 1.20, May 18, 1945; lowest 11.00, Oct. 22, 1946. 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	8.11	6.50	5.80	6.41	6.06	7.90	6.99	7.42	7.88	7.13	7.19	5.62
2	8.03	6.41	6.47	6.44	6.42	7.30	6.42	7.52	7.86	7.67	7.20	5.70
3	8.04	6.59	6.50	6.41	6.34	7.08	6.56	7.69	7.28	7.40	7.15	5.40

Gr-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	7.73	6.67	6.42	6.27	6.47	6.82	6.68	7.64	7.82	7.19	7.20	2.51
5	5.35	6.48	6.12	5.02	7.12	6.91	6.50	7.66	7.75	7.20	7.22	4.00
6	5.52	7.20	6.43	6.38	6.88	7.41	6.65	7.41	7.88	7.89	7.37	4.69
7	3.93	6.42	6.70	5.93	6.50	7.58	6.18	7.80	7.90	7.48	7.41	4.81
8	4.39	7.01	6.62	5.80	6.51	7.90	6.72	7.42	7.38	7.28	7.41	4.58
9	5.91	5.95	6.58	5.89	6.59	7.95	6.83	7.79	7.72	5.88	7.20	4.91
10	5.50	5.20	6.87	5.98	6.63	7.46	6.83	7.70	7.36	5.86	6.89	5.04
11	5.38	5.49	6.30	6.03	7.17	7.06	7.00	7.59	7.68	6.00	6.92	5.21
12	5.01	5.51	6.18	6.16	6.75	6.82	7.30	7.58	7.73	6.22	7.00	5.38
13	5.93	4.82	6.59	6.20	6.69	7.64	6.82	7.34	7.62	6.35	7.09	5.55
14	5.65	2.90	5.98	6.30	6.99	7.66	7.21	7.70	7.22	6.46	7.15	5.64
15	5.82	4.05	6.60	6.28	6.72	8.13	7.40	7.80	7.97	6.50	7.18	5.61
16	4.60	4.60	6.13	6.34	6.78	6.10	7.07	7.85	7.40	6.66	7.17	5.72
17	5.65	4.90	6.20	6.38	6.79	5.55	7.45	8.00	7.28	6.78	7.19	5.85
18	6.11	5.05	6.69	6.43	7.21	5.61	7.24	7.61	7.96	6.88	7.18	5.80
19	5.68	5.16	6.40	6.50	6.76	5.60	7.21	7.81	7.46	6.86	7.23	6.01
20	6.37	5.30	6.50	6.50	6.76	6.38	7.72	7.76	8.01	7.52	7.00	6.23
21	6.17	5.41	6.00	6.50	6.75	6.68	7.42	7.97	7.35	7.09	5.21	6.19
22	6.58	5.43	5.88	6.56	6.71	6.80	7.42	7.90	6.90	6.99	5.62	6.10
23	6.60	5.42	6.00	6.55	6.78	6.85	7.30	7.88	6.28	7.02	5.85	6.23
24	6.12	6.00	6.60	6.65	7.61	6.86	7.39	7.97	6.46	....	5.98	3.28
25	5.78	6.00	6.80	6.42	7.58	6.40	7.41	8.12	7.05	7.02	6.11	6.01
26	5.50	5.98	6.29	6.00	7.75	6.52	7.41	8.15	7.37	7.15	6.38	6.01
27	5.68	6.31	6.37	6.12	7.81	6.58	7.73	7.92	6.88	7.09	6.31	6.11
28	6.31	5.72	6.29	6.08	7.23	6.58	7.64	8.05	7.42	7.13	6.42	6.20
29	6.33		6.30	6.08	7.41	7.00	7.72	8.00	7.64	7.23	6.70	6.71
30	6.32		6.33	6.11	7.06	6.76	7.70	7.80	7.69	7.06	5.60	6.51
31	6.40		6.34		7.61		7.77	7.12		7.12		6.51

Hamilton County

H-1. R. Weber. Lat. 39°12'15", long. 84°47'00". Drilled test well in gravel, diameter 6 inches, depth 124 feet. Water level responds to changes in stage of the Whitewater River. Highest water level 14.40, Feb. 15, 1950; lowest 23.82, Dec. 11, 1949. 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	22.52	16.94	17.79	18.37	18.36	19.55	.....	20.27	21.13	20.23	20.50	19.33
2	22.52	16.92	17.96	18.53	18.58	19.58	.....	20.24	21.17	20.26	20.54	19.35
3	22.48	16.92	18.07	18.53	18.42	19.56	19.69	20.27	20.42	20.29	20.57	19.13
4	.....	16.67	18.12	18.41	18.82	19.30	19.68	20.33	20.63	20.31	20.58	16.75
5	.....	16.09	18.16	16.32	18.90	19.43	19.61	20.40	20.73	20.33	20.62	17.79
6	.....	15.57	18.20	17.39	18.94	19.52	19.54	20.44	20.81	20.36	20.61	18.04
7	17.57	16.77	18.24	17.59	19.03	19.60	19.63	20.54	20.88	20.39	20.63	18.04
8	17.57	16.96	18.28	17.82	19.08	.....	19.69	20.55	20.91	20.40	20.63	17.34
9	17.57	16.68	18.37	17.95	19.12	.....	19.75	20.60	20.86	20.13	20.49	17.60
10	17.57	17.41	18.42	18.03	19.13	.....	19.78	20.61	20.69	19.94	.....	17.70
11	17.85	17.67	18.42	18.17	18.93	19.35	19.80	20.64	20.66	19.94	.....	17.81
12	18.30	17.69	18.36	18.32	19.03	19.55	19.85	.....	20.66	20.02	.....	18.07
13	18.14	15.50	18.33	18.36	19.10	19.62	19.87	20.65	20.66	20.08	20.13	18.27
14	17.35	15.14	18.27	18.39	19.14	.....	19.94	20.69	20.67	20.11	20.16	18.39
15	.....	14.40	18.39	18.46	19.20	.....	19.96	20.73	20.69	20.16	20.19	18.50
16	.....	16.05	18.39	18.55	19.26	.....	20.00	20.77	20.72	20.19	20.20	18.60
17	16.54	16.50	18.53	18.60	19.30	.....	20.01	20.80	20.76	20.21	20.21	18.68
18	16.95	16.92	18.61	18.65	19.32	19.29	20.00	20.84	20.79	20.22	20.23	18.80
19	17.22	17.04	18.65	18.71	19.38	19.32	19.77	20.86	20.80	20.25	20.23	18.84
20	17.38	17.22	18.66	18.76	19.42	19.18	19.78	20.74	20.82	20.26	20.09	18.89
21	17.46	17.32	18.11	18.81	19.45	19.31	19.88	20.82	20.43	20.28	16.89	18.95
22	17.52	17.32	18.21	18.85	19.45	19.40	19.92	20.89	19.42	20.29	18.18	18.98
23	17.52	16.90	18.35	18.87	19.39	19.48	19.94	20.94	19.37	20.31	18.54	19.00
24	16.00	17.24	18.38	18.87	19.41	19.50	20.02	20.99	19.74	20.32	18.73	19.00
25	.....	17.48	18.38	18.87	19.29	19.58	20.02	21.04	19.89	20.34	18.88	18.94
26	16.00	17.65	18.55	18.73	19.37	19.64	20.08	21.07	19.99	20.36	19.03	19.04
27	15.00	17.76	18.57	18.86	19.38	19.69	20.15	21.11	20.06	20.36	19.09	19.11
28	16.27	17.79	17.73	18.94	19.43	.....	20.18	21.15	20.11	20.39	19.16	19.14
29	16.40		17.97	18.97	19.44	.....	20.19	21.16	20.16	20.44	19.21	19.19
30	16.67		18.22	18.98	19.48	.....	20.23	21.08	20.20	20.46	19.28	19.22
31	16.88		18.34		19.48		20.27	21.08		20.48		19.29

T-74. Frederick Hauck. Dug and driven test well in gravel, diameter $1\frac{1}{2}$ inches, depth 29 feet. Highest water level 1.29, Mar. 19, 1943; lowest 15.52, Dec. 2, 1941. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	11.10	Apr. 21	7.13	July 13	7.79	Oct. 11	8.57
12	6.21	29	7.36	20	8.32	19	8.60
19	5.41	May 4	7.42	25	9.11	26	8.66
26	2.99	11	7.46	Aug. 4	10.00	Nov. 2	8.73
Feb. 2	4.63	18	7.57	5	10.57	9	8.22
9	4.75	27	7.61	23	11.17	16	8.60
16	4.15	June 2	7.59	30	11.44	23	6.17
Mar. 9	7.06	8	7.67	Sept. 7	10.43	30	7.23
16	7.07	15	7.98	13	10.24	Dec. 8	5.75
23	6.83	22	7.50	20	9.84	14	6.36
Apr. 6	5.41	27	7.33	27	8.72	21	7.10
14	6.63	July 6	7.52	Oct. 4	8.93	27	7.45

T-75. Frederick Hauck. Dug and driven test well in gravel, diameter $1\frac{1}{2}$ inches, depth 30 feet. Highest water level +0.20, Mar. 15, 1943; lowest 16.09, Sept. 7, 1950. Records available: 1940-50.

Jan. 12	5.55	Apr. 29	7.45	July 20	7.92	Oct. 11	7.40
19	5.75	May 4	7.50	25	8.16	19	7.68
26	1.68	11	7.51	Aug. 4	8.64	26	7.81
Feb. 2	5.05	18	7.70	9	8.88	Nov. 2	8.05
9	4.86	27	7.82	23	9.30	9	7.42
16	4.96	June 2	7.83	30	9.49	16	7.45
Mar. 9	7.15	8	7.85	Sept. 7	16.09	23	5.47
16	7.03	15	11.18	13	9.15	30	12.51
23	7.72	19	7.68	20	8.29	Dec. 8	4.70
Apr. 6	5.25	27	7.22	27	7.52	14	6.42
14	6.85	July 6	7.29	Oct. 4	7.89	27	7.13
21	7.26	13	7.71				

T-67. Emmitt Ferris. Dug and driven test well in gravel, diameter $1\frac{1}{2}$ inches, depth 16 feet. Highest water level 0.20, Jan. 24, 1949; lowest 9.85, Dec. 27, 1941. Records available: 1940-50.

Jan. 2	6.77	Apr. 10	1.77	July 10	4.15	Oct. 16	3.04
9	.79	17	2.65	17	4.28	23	3.35
16	.54	24	2.90	24	4.45	30	3.68
23	1.57	May 1	3.00	31	4.68	Nov. 6	3.98
31	.78	8	3.28	Aug. 7	5.02	13	2.57
Feb. 6	1.62	15	3.31	22	5.55	21	.57
13	.66	22	3.61	29	5.11	27	.55
20	1.29	29	3.81	Sept. 4	3.64	Dec. 5	.54
27	1.44	June 5	3.59	11	4.64	11	1.44
Mar. 6	2.12	12	4.00	18	5.11	18	2.36
13	1.97	19	3.73	25	4.11	25	2.16
20	1.31	26	3.47	Oct. 2	3.24	31	2.87
Apr. 3	.92	July 3	3.80	9	2.20		

T-8. St. Rita School. Lat. $39^{\circ}15'00''$, long. $84^{\circ}26'06''$. Drilled and driven test well in gravel, diameter 6 inches, depth 28 feet. Highest water level 3.10, Dec. 19, 1938; lowest 20.30, July 7, 1941. Records available: 1938-50.

Jan. 9	18.97	Apr. 3	15.40	June 19	16.98	Sept. 18	18.08
16	19.00	10	15.58	26	17.11	25	18.13
23	18.85	17	15.49	July 3	17.25	Oct. 2	18.17
30	18.59	24	15.58	10	17.34	9	18.20
Feb. 6	17.75	May 1	15.76	17	17.45	16	18.22
13	16.90	8	15.98	24	17.53	23	18.25
20	16.03	15	16.18	31	17.62	30	18.24
27	15.13	22	16.37	Aug. 7	17.83	Nov. 13	18.28
Mar. 6	14.80	29	16.54	21	17.85	Dec. 5	12.28
13	14.72	June 5	16.70	Sept. 4	17.99	11	13.92
20	14.92	12	16.85	11	18.03	31	16.12
27	15.10						

204-4. A. Sorter. Northwest corner Kemper and Mosteller Rds. Drilled unused well in gravel, diameter 6 inches, depth 132 feet. Highest water level 1.00, Apr. 17, 1939; lowest 15.40, Dec. 30, 1944. Records available: 1939-50.

204-4--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	13.99	6.45	7.69	8.84	9.05	9.90	9.79	11.21	.....	11.48
2	13.96	6.48	7.80	8.86	9.07	9.92	9.84	11.25	.....	11.48
3	13.93	6.58	7.92	8.86	9.10	9.92	9.87	11.30	.....	11.47
4	13.80	6.75	8.00	8.82	9.15	9.92	9.87	11.35	.....	11.48
5	12.17	6.91	8.06	8.45	9.17	9.91	9.87	11.41	.....	11.50
6	11.40	7.08	8.11	6.24	9.20	9.88	9.85	11.45	.....	11.52
7	8.39	7.28	8.16	6.62	9.22	9.89	9.86	11.48	12.62	11.54
8	6.59	7.45	8.22	6.98	9.22	9.97	9.89	11.50	12.63	11.55
9	7.06	7.44	8.36	7.26	9.23	10.02	9.93	11.53	12.65	11.55
10	7.23	6.67	8.42	7.43	9.23	10.06	9.97	11.60	12.66	11.45
11	7.12	6.98	8.46	7.64	9.25	10.09	10.07	11.61	12.66	11.40
12	7.40	7.16	8.48	7.83	9.25	10.11	10.17	11.67	12.67	11.37
13	7.47	7.11	8.51	8.00	9.26	10.15	10.26	11.75	12.67	11.37
14	7.39	6.59	8.54	8.18	9.26	10.22	10.34	11.82	12.70	11.37
15	7.29	5.19	8.57	8.31	9.26	10.30	10.44	11.88	12.70	11.37
16	6.90	5.35	8.65	8.37	9.25	10.30	10.50	11.95	12.68	11.37
17	5.44	5.97	8.67	8.42	9.27	10.28	10.55	12.00	12.68	11.36
18	6.05	6.49	8.69	8.47	9.33	10.25	10.58	.....	12.68	11.35
19	6.61	6.88	8.72	8.54	9.40	10.23	10.62	.....	12.70	11.35
20	7.09	7.19	8.74	8.60	9.47	10.16	10.69	.....	12.72	11.35
21	7.44	7.40	8.74	8.67	9.54	10.12	10.72	.....	12.66	11.35
22	7.70	7.44	8.74	8.74	9.58	10.11	10.76	.....	.....	11.35
23	7.91	7.13	8.78	8.77	9.62	10.05	10.80	.....	.....	11.34
24	7.95	7.03	8.78	8.78	9.67	10.05	10.82	12.28	.....	11.32
25	7.22	7.22	8.80	8.80	9.40	9.99	10.86	12.32	.....	11.28
26	6.81	7.38	8.80	8.84	.....	9.68	10.93	12.37	.....	11.30
27	4.94	7.49	8.80	8.87	9.85	9.57	10.98	12.42	11.44	.....
28	5.26	7.58	8.80	8.92	9.91	9.59	11.04	12.45	11.45	.....
29	5.64	.....	8.80	9.02	9.92	9.68	11.09	12.47	11.47	.....
30	5.96	.....	8.82	9.05	9.93	9.73	11.14	12.52	11.48	.....
31	6.30	.....	8.84	.....	9.93	.....	11.17	12.53	.....	.....

207-3. Village of Glendale. Glendale Waterworks, Sharon Ave. and Mosteller Road. Drilled unused well in gravel, diameter 8 inches, depth 167 feet. Highest water level 23.10, Apr. 28, 1939; lowest 61.95, Nov. 1, 1950. Records available: 1938-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	58.46	55.80	50.62	50.80	51.95	51.55	54.97	55.53	59.07	61.44	61.95	58.64
2	58.13	55.85	47.55	51.55	50.65	52.15	52.96	55.80	59.05	60.40	61.89	58.67
3	58.55	56.24	50.50	49.31	50.93	52.05	54.02	56.29	60.55	60.65	61.32	57.32
4	58.82	55.39	49.67	49.83	50.77	51.29	53.68	55.73	58.00	60.75	61.10	57.05
5	59.33	56.78	51.55	50.55	51.33	51.29	52.92	59.93	59.05	60.02	.....	57.94
6	59.30	53.48	49.67	50.57	50.55	52.37	54.28	54.95	59.56	60.51	.....	57.42
7	59.05	54.94	49.94	50.40	49.55	52.97	53.90	55.13	59.21	60.73	50.65	57.60
8	60.55	54.64	50.17	50.09	50.33	53.07	54.27	55.47	59.52	59.49	59.25	57.12
9	59.87	54.23	50.17	50.47	50.29	53.57	53.53	55.34	59.27	59.67	61.74	57.27
10	57.38	54.25	50.25	49.28	50.52	53.60	56.36	55.80	57.66	61.04	61.43	55.53
11	58.48	53.93	49.47	50.35	50.08	51.20	55.00	56.28	58.95	60.96	62.57	56.16
12	58.47	52.99	48.66	50.28	50.15	51.68	54.66	56.51	59.53	60.89	59.35	56.40
13	58.37	52.85	49.69	50.17	49.58	52.85	54.74	56.43	59.28	60.85	59.53	56.39
14	58.23	52.93	50.36	50.45	49.71	52.78	56.78	57.26	59.02	61.23	59.33	56.00
15	57.93	53.23	50.77	50.23	48.65	53.17	54.55	58.52	58.46	62.51	59.08	55.92
16	57.90	52.70	50.51	51.55	50.53	53.41	53.62	58.13	60.64	60.50	59.22	55.61
17	53.90	52.58	50.18	49.46	51.05	53.29	55.18	58.94	58.17	61.13	58.90	52.47
18	57.86	52.07	49.88	50.38	51.13	52.19	55.02	58.95	59.75	61.33	59.01	60.50
19	57.37	53.50	51.07	50.55	50.97	52.70	54.92	61.06	60.21	61.45	57.75	59.75
20	57.86	51.60	49.84	50.70	51.47	53.57	55.10	57.45	60.67	61.53	58.78	56.45
21	57.47	51.53	50.38	50.67	49.67	53.37	55.40	57.87	60.45	61.15	59.08	59.58
22	58.53	51.45	50.53	50.40	50.70	52.77	55.36	57.50	60.70	59.98	58.67	55.83
23	56.53	51.45	50.55	48.95	51.44	53.53	56.58	57.87	60.67	59.90	57.57	59.06
24	56.67	51.55	50.21	49.61	51.65	53.43	54.93	58.10	59.35	60.57	58.54	57.38
25	56.63	51.06	49.79	48.12	51.65	52.58	55.80	58.11	60.25	60.45	58.69	58.51
26	56.20	50.27	48.59	48.33	51.63	55.55	55.84	58.50	60.86	60.97	57.35	56.33
27	56.97	50.60	49.06	50.42	51.70	53.85	55.95	58.02	60.87	60.36	58.18	56.55
28	56.17	50.61	49.92	48.95	.....	53.56	55.96	57.38	60.27	60.38	57.25	56.57
29	55.16	.....	50.23	51.25	46.50	53.78	55.73	58.61	60.44	62.52	58.53	56.62
30	55.63	.....	50.55	49.05	50.49	54.10	54.47	57.33	60.97	60.85	58.63	57.48
31	55.73	.....	50.25	.....	51.17	.....	55.16	58.10	.....	62.82	.....	56.10

212-1. Johns Manville Corp. Lat. 39°16'45", long. 84°26'03", well in gravel, diameter 8 inches, depth 177 feet. Highest water level 21.30, Apr. 30, 1939; lowest 61.11, Nov. 19, 1950. Records available: 1938-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	59.27	56.53	52.60	51.90	51.53	52.73	54.62	56.27	58.55	59.86	60.75	61.10
2	59.23	56.48	52.72	51.88	51.47	52.77	54.57	56.29	58.62	59.84	60.93	60.91
3	59.02	56.48	52.65	51.75	51.52	52.75	54.55	56.53	58.62	59.88	60.92	60.91
4	59.47	56.27	52.53	51.95	51.53	52.83	54.55	56.55	58.66	59.90	60.87	60.82
5	59.53	56.01	52.23	52.14	51.55	52.80	54.58	56.70	58.75	59.93	60.93	60.73
6	59.59	55.56	52.12	52.21	51.77	53.01	54.73	56.67	58.75	59.92	61.01	60.41
7	59.58	55.72	51.92	52.11	51.79	53.19	54.72	56.65	58.76	59.93	60.97	60.02
8	59.55	55.62	52.12	51.85	52.05	53.27	54.80	56.71	58.85	59.91	60.82	60.03
9	59.05	55.39	52.42	51.85	51.77	53.27	54.79	56.67	58.84	59.82	61.16	59.85
10	59.12	55.30	52.40	51.55	52.22	53.28	54.91	56.72	58.82	60.07	61.16	59.52
11	59.20	55.34	51.97	51.64	51.70	53.35	54.97	56.93	58.90	60.05	61.22	59.35
12	59.00	55.12	51.88	51.62	51.63	53.32	54.92	57.00	58.97	60.22	61.22	59.25
13	58.73	54.77	52.00	51.61	51.73	53.37	55.10	57.08	59.16	60.32	61.21	58.19
14	59.05	54.53	52.22	51.73	51.45	53.53	55.02	57.09	59.17	60.27	61.21	59.10
15	58.70	54.53	51.89	51.67	51.39	53.62	55.25	57.20	59.18	60.40	61.15	59.03
16	58.83	54.42	52.01	51.54	51.67	53.71	55.22	57.35	59.23	60.35	61.14	59.01
17	58.62	54.30	52.01	51.27	51.88	54.00	55.22	57.42	59.35	60.35	61.27	58.84
18	58.33	54.20	52.15	51.27	51.99	53.85	55.30	57.47	59.30	60.30	61.23	58.75
19	58.40	53.95	52.16	51.47	52.02	53.72	55.27	57.58	59.37	60.32	61.11	58.67
20	58.46	53.82	51.77	51.50	52.13	53.97	55.46	57.67	59.45	60.48	61.42	58.61
21	58.15	53.51	51.82	51.54	52.12	54.08	55.67	57.70	59.42	60.44	61.35	58.61
22	57.85	53.11	51.82	51.53	52.07	54.00	55.65	57.71	59.57	60.43	61.18	58.36
23	57.71	53.22	51.95	51.28	52.18	54.07	55.60	57.78	59.75	60.47	61.20	58.33
24	57.55	53.19	51.94	51.17	52.27	54.17	55.67	57.91	59.83	60.48	61.19	58.12
25	57.72	53.20	52.04	51.37	52.32	54.19	55.86	57.98	59.78	60.59	61.14	58.11
26	57.87	53.18	51.92	51.50	52.51	54.25	55.84	58.08	59.79	60.67	60.85	58.17
27	57.87	52.94	51.47	51.72	52.58	54.57	55.90	58.06	59.80	60.60	61.07	58.20
28	57.45	52.60	51.80	51.71	52.52	54.48	55.92	58.01	59.81	60.67	61.10	57.95
29	56.94		52.17	51.41	52.45	54.67	55.99	58.17	59.85	60.76	61.10	57.85
30	57.00		52.32	51.50	52.41	54.61	56.01	58.28	59.87	60.70	61.11	57.82
31	56.69		52.25		52.50		56.08	58.28		60.73		57.87

214-3. Tennessee Corp. Lat. 39°15'15", long. 84°26'54". Drilled unused well in gravel, diameter 4 inches, depth 39 feet. Highest water level 6.20, Mar. 8, 1945; lowest 31.1, Dec. 28, 1944. Records available: 1939-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	20.43	19.22	21.77	22.84	24.73	26.05	.....	28.24	28.52	29.00	26.84
2	.....	20.37	19.32	21.84	22.88	24.77	26.06	.....	28.26	28.52	29.00	26.77
3	.....	20.35	19.38	21.91	22.95	24.82	26.12	.....	28.28	28.52	29.02	27.72
4	.....	20.32	19.42	22.02	23.00	24.87	26.14	.....	28.33	28.51	29.04	20.75
5	.....	20.30	19.50	22.02	23.07	24.92	26.16	.....	28.35	28.51	29.07	19.11
6	.....	20.25	19.56	21.42	23.14	24.96	26.17	.....	28.36	28.52	29.12	19.96
7	.....	19.88	19.59	21.85	23.22	25.00	26.17	27.38	28.37	28.52	29.13	18.85
8	.....	19.88	19.73	21.78	23.27	25.04	26.17	27.42	28.40	28.53	29.14	18.72
9	27.06	19.91	19.83	21.78	23.32	25.11	26.17	27.45	28.43	28.55	29.16	18.72
10	26.95	19.90	19.87	21.78	23.38	25.16	.....	27.48	28.25	28.47	29.17	18.58
11	26.55	19.82	19.95	21.85	23.44	24.97	.....	27.52	28.44	28.48	29.20	18.58
12	25.16	19.80	20.02	21.87	23.49	25.26	.....	27.56	28.46	28.50	29.22	18.62
13	25.82	19.78	20.15	21.92	23.55	25.32	.....	27.60	28.48	28.52	29.22	18.70
14	25.50	19.80	20.23	21.95	23.62	25.35	.....	27.63	28.52	28.52	29.23	18.71
15	25.25	19.63	20.30	21.99	23.70	25.42	.....	.....	28.54	28.55	29.24	18.71
16	24.87	.....	20.40	22.02	23.77	25.47	.....	.....	28.57	28.69	29.25	18.71
17	24.77	.....	20.49	22.07	23.84	25.53	26.50	.....	28.60	28.70	29.27	19.07
18	24.35	.....	20.60	22.11	23.91	25.58	26.54	.....	28.66	28.72	29.27	19.20
19	24.06	.....	20.67	22.16	23.97	25.63	26.57	.....	28.68	28.73	29.27	19.30
20	23.85	18.92	21.70	22.21	24.04	25.68	26.62	.....	28.70	28.75	29.30	19.44
21	23.64	18.92	20.85	22.27	24.09	25.72	26.66	27.88	28.72	28.77	29.09	19.53
22	23.46	18.95	20.94	22.29	24.17	25.76	26.68	27.92	28.74	28.79	28.22	19.65
23	23.28	18.97	21.04	22.35	24.23	25.81	26.73	27.95	28.74	28.80	27.85	19.74
24	23.26	19.03	21.13	22.42	24.28	25.86	26.80	27.98	28.73	28.80	27.61	19.77
25	23.20	19.06	21.22	22.49	24.35	25.90	26.84	28.02	28.70	28.84	27.42	19.95
26	23.11	19.10	21.25	22.55	24.42	25.97	26.88	28.05	28.62	28.85	27.24	20.12
27	22.60	19.12	21.33	22.62	24.47	26.00	26.91	28.09	28.60	28.87	27.14	20.22
28	21.10	19.14	21.45	22.67	24.52	26.02	26.95	28.12	28.58	28.89	27.06	20.33

214-3--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
29	20.65		21.57	22.70	24.57	26.03	26.98	28.15	28.56	28.91	26.98	20.46
30	20.47		21.64	22.72	24.62	26.04	27.03	28.18	28.55	28.95	26.90	20.60
31	20.44		21.69		24.68		27.13	28.22		28.97		20.70

215-2. Harry F. Pittman. Lat. 39°14'54", long. 84°26'13". Dug unused well in gravel, diameter 8 inches, depth 32 feet. Highest water level 15.00, Jan. 26, 1937; lowest 35.69, Jan. 6, 1941. Records available: 1937-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	31.65	Apr. 3	27.80	July 3	29.15	Oct. 2	30.44
5	31.47	10	27.83	10	29.28	9	30.53
16	31.45	17	27.94	17	29.45	30	30.75
23	31.18	24	27.99	24	29.60	Nov. 6	30.85
30	30.77	May 1	28.10	31	29.71	13	30.98
Feb. 6	30.27	8	28.19	Aug. 7	29.81	21	31.05
13	29.56	15	28.30	21	30.02	27	31.05
20	28.86	22	28.44	28	30.04	Dec. 4	30.90
27	28.14	25	28.58	Sept. 4	30.22	11	30.65
Mar. 6	27.85	June 5	28.78	11	30.29	18	30.53
13	27.73	12	28.84	18	30.39	23	30.30
20	27.69	19	28.93	25	30.39	30	29.96
27	27.67	26	29.05				

216-C. Electric Auto-Lite Co. Formerly Wright Aeronautical Corp. Lockland Rd. and Jackson Rd. Drilled test well, diameter 6 inches, depth 135 feet. Highest water level 60.82, Mar. 25, 1941; lowest 100.35, Aug. 15, 1950. Records available: 1941-50.

Jan. 4	92.33	Apr. 3	88.34	July 3	91.74	Oct. 9	95.78
5	91.92	10	87.95	17	91.90	16	93.16
16	96.31	17	87.74	24	92.30	23	95.93
23	96.22	24	87.30	31	92.71	Nov. 6	95.62
30	96.19	May 1	87.50	Aug. 7	94.79	13	95.22
Feb. 6	95.88	8	87.61	15	100.35	21	94.86
13	95.52	15	88.00	21	93.34	27	94.55
20	97.20	22	88.88	28	93.04	Dec. 4	93.15
27	96.93	29	89.40	Sept. 4	93.20	11	92.46
Mar. 6	90.60	June 5	91.02	11	93.17	18	92.56
13	95.12	12	95.35	18	92.95	23	91.87
20	89.76	19	95.67	25	93.15	30	91.62
27	88.60	26	92.87	Oct. 2	94.05		

216-E. Electric Auto-Lite Plant. Formerly Wright Aeronautical Corp. Lat. 39°14'56", long. 84°26'20". Drilled test well in gravel, diameter 6 inches, depth 180 feet. Highest water level 43.20, Apr. 13, 1941; lowest 77.90, May 14, 1943. 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	71.25	72.62	71.91	69.97	68.92	71.17	72.08	72.68	76.17	74.40	74.49	.....
2	70.91	73.35	72.24	69.92	68.83	70.73	71.71	73.12	74.60	73.95	74.62	.....
3	70.50	73.23	72.10	69.65	68.68	70.74	71.34	75.08	74.00	73.77	74.67	.....
4	71.41	72.80	71.80	69.82	68.67	69.90	71.17	75.18	73.62	73.60	74.63	.....
5	71.69	72.50	71.45	70.05	68.62	70.62	71.75	75.22	73.80	73.60	74.75	.....
6	71.78	71.96	71.24	70.17	68.87	70.78	72.05	73.23	74.02	73.51	74.65	.....
7	72.22	72.45	70.97	70.10	69.02	70.54	72.31	72.78	75.63	73.44	74.65	.....
8	72.22	72.48	70.79	69.79	69.13	70.56	72.47	73.10	75.94	73.27	74.50	.....
9	71.71	72.78	71.33	69.83	68.88	70.50	71.77	75.21	74.27	73.22	74.98	.....
10	71.92	73.02	71.64	69.58	69.45	70.40	71.40	75.56	73.64	73.68	75.11	.....
11	72.32	72.51	71.50	69.55	69.62	70.13	71.51	75.66	73.76	73.72	75.20	73.90
12	72.15	72.35	71.11	69.55	69.63	70.65	71.92	74.12	74.08	74.03	75.03	74.00
13	71.88	72.00	71.16	69.51	69.60	70.32	72.41	73.34	74.34	74.17	74.78	74.05
14	72.36	72.00	71.43	69.58	69.32	71.00	72.67	72.95	74.37	74.00	74.74	74.06
15	72.27	72.22	71.38	69.54	68.85	71.28	72.76	73.27	76.00	73.90	74.50	74.17
16	72.36	72.25	71.32	69.43	69.44	71.47	72.10	75.41	76.30	73.92	74.67	74.21
17	72.36	72.32	71.07	69.20	69.67	71.64	71.74	75.82	74.20	74.06	74.85	74.15
18	72.25	72.32	70.95	69.06	69.86	71.02	72.00	75.90	73.92	74.06	74.84	74.16
19	72.83	72.12	71.03	69.12	70.25	70.90	72.32	73.93	75.46	73.92	74.61	.....
20	73.08	72.25	70.83	69.12	70.10	71.08	72.70	73.49	75.58	74.05	.....	.....
21	72.85	72.14	70.50	69.08	69.77	71.78	73.02	73.27	74.11	74.06	.....	.....

216-E--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
22	72.54	71.70	70.32	69.12	69.38	71.86	73.06	72.96	76.05	73.94	.....	.....
23	72.09	71.74	70.32	68.86	69.72	71.95	72.35	72.94	76.27	74.08	.....	.....
24	72.23	72.03	70.32	68.75	69.87	72.09	71.92	73.50	74.64	74.22	.....	.....
25	72.84	72.18	70.41	68.82	70.32	71.74	72.27	73.83	74.20	74.38	.....	.....
26	73.39	72.03	70.30	68.97	70.64	71.69	72.73	73.97	73.92	74.48	.....	.....
27	73.64	72.06	69.70	69.04	70.65	72.09	72.63	73.42	73.94	74.40	.....	.....
28	73.12	71.90		69.94	69.15	70.12	72.25	73.05	73.04	74.05	74.42	.....
29	72.20		70.45	69.05	69.71	72.42	73.14	75.36	74.05	74.55	.....	.....
30	72.38		70.55	68.83	69.47	72.50	72.55	75.82	74.35	74.50	.....	.....
31	72.62		70.45		69.82		72.20	76.01		74.50	.....	.....

236-4. E. I. Du Pont de Nemours Co. Wayne Ave. and West Fork of Mill Creek, Lockland. Drilled unused well in gravel, diameter 12 inches, depth 155 feet. Highest water level 99.00, May 18, 1941; lowest 129.35, Dec. 27, 1948. Records available: 1941-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	126.12	Apr. 10	125.59	June 19	126.86	Sept. 18	129.23
16	126.95	17	126.23	26	126.78	25	128.99
23	126.12	24	125.95	July 10	127.01	Oct. 9	128.47
30	127.07	May 1	126.20	17	124.95	23	128.83
Feb. 6	126.97	8	126.47	24	126.82	Nov. 6	129.20
13	126.32	15	126.09	31	127.20	21	128.80
20	127.20	22	126.51	Aug. 7	127.05	Dec. 4	128.77
27	127.22	29	126.63	28	128.50	18	129.26
Mar. 6	126.85	June 5	126.54	Sept. 11	128.52	30	128.62
Apr. 3	124.82	12	126.96				

237-3. Village of Wyoming water works plant. Vine and Water Sts., Wyoming. Drilled unused well in gravel, diameter 8 inches, depth 194 feet. Highest water level 114.90, Apr. 24, 1940; lowest 148.70, Nov. 11, 1948. Records available: 1938-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	144.87	144.37	143.32	143.93	144.25	144.90	144.55	144.48	144.74	145.20	145.20	145.25
2	144.37	144.35	143.70	143.94	144.08	145.03	144.45	144.47	144.91	145.59	145.38	145.00
3	144.40	144.95	143.68	143.70	144.18	144.57	144.58	144.57	144.98	145.55	145.30	144.85
4	144.31	144.50	143.61	143.82	143.90	144.68	144.71	144.63	145.34	145.29	144.57	145.15
5	144.82	144.71	142.87	144.30	144.11	144.68	144.49	144.50	145.25	145.38	145.27	145.35
6	144.25	144.32	143.29	144.52	144.20	143.75	144.64	144.48	145.24	145.32	145.53	145.07
7	144.96	144.52	143.00	144.30	144.32	142.83	144.64	144.92	145.06	145.07	145.47	145.16
8	143.88	144.17	142.87	144.20	144.58	145.04	144.55	144.94	144.96	144.79	145.32	145.38
9	144.54	144.22	144.58	144.71	144.17	145.07	144.62	144.71	144.70	144.84	145.33	145.12
10	144.84	144.22	143.91	144.22	144.52	144.47	144.74	144.59	144.65	145.08	145.86	145.00
11	145.13	144.36	142.97	143.97	144.37	144.69	144.85	144.65	144.94	144.96	145.82	144.90
12	144.67	144.09	143.17	144.30	144.20	145.64	144.88	144.75	144.97	145.13	145.75	145.05
13	144.17	144.10	143.55	144.12	143.83	144.70	144.84	144.75	145.32	145.42	145.90	145.09
14	144.85	143.57	143.62	144.54	144.02	144.78	144.83	144.81	145.20	145.06	145.62	145.13
15	145.01	144.20	143.40	144.38	144.12	144.65	144.57	.....	145.26	145.25	145.37	145.35
16	145.13	144.33	143.07	144.26	144.18	144.60	144.47	.....	145.25	145.58	145.38	145.39
17	144.61	144.54	142.98	144.20	144.25	144.55	144.50	144.77	145.37	145.55	145.56	145.33
18	144.30	144.58	142.53	144.24	144.28	144.47	144.57	144.78	145.56	145.59	145.22	145.40
19	144.96	143.27	143.32	144.15	144.47	144.45	144.28	144.70	145.43	145.27	144.51	145.30
20	145.07	143.67	143.27	144.85	144.37	144.42	144.27	144.85	145.24	145.30	145.21	145.63
21	144.51	143.23	144.15	144.15	144.50	144.56	144.67	144.72	144.97	144.98	145.18	145.54
22	144.55	142.68	144.00	143.63	144.24	144.50	144.38	144.92	145.23	144.85	145.30	145.52
23	144.28	143.27	143.75	144.71	144.52	144.56	144.30	144.95	145.30	145.17	145.32	145.11
24	144.22	143.27	143.90	143.88	144.58	144.62	144.52	144.89	145.45	145.27	145.45	146.42
25	144.37	143.50	144.11	144.03	144.38	144.60	144.48	144.96	145.54	145.40	144.85	145.06
26	144.47	142.92	144.53	143.98	144.55	144.57	144.42	144.96	145.50	145.46	144.50	146.12
27	144.78	143.61	143.47	142.22	144.41	144.79	144.31	145.13	145.47	145.20	145.15	146.42
28	144.35	143.20	143.94	142.16	144.38	144.57	144.17	144.99	145.50	145.07	145.30	146.55
29	143.10		144.06	144.16	144.42	144.65	144.18	145.00	145.64	145.31	145.25	146.06
30	144.50		144.52	143.92	144.27	144.58	144.39	144.78	145.50	145.50	145.18	146.82
31	144.64		144.27		144.48		144.42	144.72		145.35	.....	.....

241-3. Gardner-Richardson Co. South Cooper Ave., Lockland. Drilled unused well in gravel, diameter 10 inches, depth 168 feet. Highest water level 105.40, Jan. 30, 1939; lowest 136.80, Nov. 9, 1947. Records available: 1938-50.

241-3--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	131.26	131.78	132.24	132.94	132.92	131.96	131.42	131.30	131.54	130.87	130.52	130.71
2	131.78	131.86	132.50	133.02	132.75	131.95	131.34	131.40	131.62	130.85	130.58	130.50
3	130.60	131.97	132.52	132.72	132.57	131.77	131.27	131.48	131.62	130.75	130.58	130.52
4	131.02	131.82	132.45	133.04	132.57	131.79	131.21	131.52	131.63	130.75	130.48	130.72
5	131.11	131.80	132.30	133.20	132.52	131.75	131.19	131.58	131.65	130.85	130.64	130.83
6	130.96	131.34	132.34	133.35	132.82	131.80	131.20	131.64	131.56	130.80	130.72	130.64
7	131.25	131.74	132.18	133.27	132.92	131.85	131.30	131.57	131.40	130.80	130.72	130.58
8	131.25	131.74	132.54	133.12	133.00	131.81	131.34	131.45	131.27	130.72	130.42	130.75
9	130.55	131.71	132.87	133.15	132.65	131.72	131.34	131.45	131.26	130.55	130.72	130.68
10	130.88	131.71	132.93	132.90	132.56	131.58	131.28	131.46	131.22	130.77	130.79	130.54
11	131.09	131.90	132.57	132.93	132.61	131.74	131.32	131.58	131.20	130.77	130.85	130.51
12	130.82	131.94	132.68	132.92	132.48	131.70	131.28	131.68	131.24	130.89	130.75	130.58
13	130.61	131.65	132.82	132.95	132.33	131.55	131.37	131.65	131.33	131.05	130.70	130.68
14	131.04	131.69	132.92	133.12	132.01	131.57	131.45	131.55	131.30	130.92	130.60	130.72
15	130.96	131.86	132.82	133.15	132.29	131.58	131.48	.....	131.24	131.07	130.45	130.95
16	131.07	131.96	132.77	133.12	132.40	131.52	131.43	.....	131.30	131.07	130.43	130.97
17	131.02	132.13	132.77	132.74	132.47	131.67	131.33	.....	131.39	131.03	130.60	130.97
18	130.84	132.13	133.17	132.66	132.48	131.60	131.27	.....	131.36	130.89	130.57	130.95
19	131.21	132.17	133.23	132.82	132.50	131.32	131.21	.....	131.16	130.66	130.28	130.90
20	131.32	132.24	132.92	132.80	132.47	131.37	131.23	.....	131.08	130.68	130.65	131.10
21	131.05	131.98	132.90	132.78	132.42	131.52	131.36	131.50	130.96	130.65	130.69	131.11
22	130.69	131.73	132.68	132.82	132.35	131.52	131.36	131.56	130.85	130.53	133.46	130.82
23	131.49	131.99	133.00	132.65	132.34	131.42	131.30	131.63	130.87	130.74	130.54	130.82
24	130.63	132.33	133.00	132.64	132.36	131.45	131.36	131.65	.....	130.75	130.62	130.72
25	130.83	132.38	133.25	132.92	132.24	131.52	131.40	131.58	131.07	130.80	130.52	130.72
26	131.36	132.50	133.18	133.03	132.24	131.40	131.33	131.68	131.13	130.85	130.08	130.82
27	131.54	132.40	132.59	133.22	132.17	131.42	131.28	131.68	130.97	130.66	130.38	130.85
28	131.28	132.12	132.91	133.35	132.02	131.42	131.28	131.57	130.95	130.59	130.55	130.57
29	131.51		133.87	133.27	131.93	131.32	131.27	131.52	130.91	130.70	130.56	130.38
30	131.72		133.45	133.06	131.61	131.35	131.28	131.54	130.87	130.70	130.63	130.40
31	131.77		133.33		131.83		131.22	131.55		130.57		130.67

246-1. National Distillers Corp. Wayne Ave. and 78th Sts., Carthage. Drilled unused well in gravel, diameter 8 inches, depth 170 feet. Records available: 1944-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	Sept.	Oct.	Nov.	Dec.
1	109.33	110.73	110.28	106.98	.....	114.62	119.20	113.71
2	109.20	.81	110.68	106.80	.....	115.42	119.46	113.41
3	108.95	111.26	110.50	108.20	.....	115.37	121.58	113.29
4	109.21	108.42	107.72	108.82	.....	115.31	119.78	113.32
5	105.21	108.22	107.42	108.63	.....	117.22	117.92	113.33
6	109.10	107.92	105.88	108.63	.....	115.38	119.18	113.18
7	109.22	110.92	109.92	108.43	.....	114.20	120.91	113.00
8	105.21	110.30	110.40	106.93	.....	113.90	121.18	113.00
9	110.31	111.11	107.63	106.90	.....	113.87	121.39	112.86
10	109.75	110.54	110.39	108.00	.....	114.02	121.58	112.63
11	111.87	108.04	107.35	.....	120.42	117.33	119.50	112.58
12	111.05	107.99	107.20	.....	120.90	117.47	119.38	112.43
13	111.58	110.18	107.26	.....	121.32	116.20	119.18	112.42
14	108.97	110.17	107.28	.....	120.60	118.52	121.26	112.37
15	108.80	110.64	109.67	.....	120.62	115.60	117.92	112.34
16	111.75	107.88	107.11	.....	118.28	116.30	116.36	112.30
17	111.00	107.66	108.50	.....	117.80	116.72	116.40	112.20
18	111.47	107.60	107.23	.....	120.11	116.94	116.00	112.14
19	108.80	107.59	107.22	.....	120.18	117.00	117.25	112.04
20	108.80	110.58	108.46	.....	117.17	117.12	115.62	112.02
21	108.37	110.40	108.48	.....	117.93	117.13	115.36	112.00
22	108.32	107.60	107.00	.....	117.90	116.22	115.02	111.76
23	108.30	109.15	106.90	.....	115.64	116.81	114.80	111.72
24	110.22	107.71	108.53	.....	115.52	118.21	114.79	111.60
25	110.34	107.72	107.12	.....	115.18	118.62	114.54	111.56
26	111.08	107.72	107.01	.....	117.02	118.89	114.12	111.63
27	111.63	110.38	108.03	.....	114.90	119.02	114.10	111.62
28	108.78	107.40	106.85	.....	117.38	119.12	114.00	115.12
29	108.33		108.60	.....	117.45	117.36	113.95	111.30
30	110.84		107.22	.....	115.08	118.48	113.71	111.21
31	110.83		109.81			119.07		.....

252. National Distillers. 75th St. and Longview Ave., Carthage. Drilled unused well in gravel, diameter 6 inches, depth 132 feet. Highest water level 91.70, Aug. 7, 1939; lowest 124.50, Oct. 31, 1949. Records available: 1938-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	115.25	Feb. 27	111.21	Apr. 24	110.26	June 19	110.90
9	115.39	Mar. 6	111.15	May 1	110.37	26	111.15
16	115.55	13	110.88	8	110.65	July 3	111.90
23	115.45	20	110.87	15	110.18	10	112.10
30	115.85	27	110.43	22	110.26	17	112.09
Feb. 6	115.37	Apr. 3	110.46	29	110.36	24	112.18
13	112.12	10	110.39	June 5	110.57	Aug. 7	112.94
20	111.70	17	110.35	12	110.82		

265. Cities Service Oil Co. Laidlaw Ave. and N. & W. Railroad, Cincinnati. Drilled unused well in gravel, diameter 12 inches, depth 218 feet. Highest water level 117.6, Dec. 5, 1938; lowest 137.3, Sept. 29, 1947. Records available: 1938-50. Measurement discontinued.

Jan. 2	132.43	Mar. 6	131.33	May 1	130.84	June 26	131.50
9	132.34	13	131.59	8	130.94	July 3	131.83
16	132.80	20	131.94	15	130.40	10	131.63
23	131.98	27	130.58	22	130.67	17	131.43
30	132.27	Apr. 3	130.90	29	130.72	24	131.78
Feb. 6	131.57	10	130.76	June 5	130.82	31	131.86
13	131.53	17	130.72	12	131.16	Aug. 7	132.09
20	131.91	24	130.61	19	131.14	21	132.50
27	131.72						

270-A4. Procter & Gamble Co. Vine St. at Big 4 railroad, Ivorydale. Drilled unused well in gravel, diameter 6 inches, depth 197 feet. Highest water level 87.30, Jan. 7, 1940; lowest 98.00, May 24, 1943. Records available: 1939-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	88.87	.....	87.87	87.60	90.82	90.88	89.73	92.00	92.15	92.27	90.33
2	89.05	88.95	.....	87.90	87.67	90.87	90.14	89.68	92.02	91.62	92.50	90.10
3	88.98	88.97	.....	87.83	87.67	90.96	89.70	90.03	91.17	91.81	92.51	90.02
4	89.42	88.82	.....	88.06	87.52	90.65	.....	90.07	90.91	92.00	92.44	90.10
5	89.42	88.77	.....	88.07	87.54	90.40	.....	90.15	91.38	92.00	91.86	90.10
6	89.32	88.57	88.25	88.13	87.70	90.79	.....	89.67	91.57	92.01	91.71	89.97
7	89.44	88.75	88.17	88.03	87.65	90.79	.....	90.03	91.74	92.04	.....	89.91
8	89.43	88.75	88.40	87.90	87.89	90.58	.....	90.54	91.88	91.92	.....	89.94
9	89.02	88.69	88.57	87.95	87.52	90.50	.....	90.94	91.98	91.90	.....	89.83
10	89.32	88.67	88.52	87.72	88.59	90.52	88.64	91.12	91.77	91.71	.....	89.65
11	89.37	88.72	88.12	87.86	88.97	89.90	88.61	90.80	91.86	91.85	.....	89.63
12	89.10	88.68	88.18	87.85	89.13	89.95	88.52	90.66	92.07	92.18	.....	89.63
13	88.95	88.52	88.32	87.80	89.06	89.22	88.45	90.45	92.18	92.29	92.18	89.63
14	89.28	88.57	88.33	87.85	88.37	89.42	88.47	90.50	92.23	92.10	92.38	89.60
15	89.11	88.58	88.18	87.81	88.66	89.57	88.38	90.71	92.27	91.23	92.50	89.68
16	89.32	88.59	88.10	87.75	88.97	89.65	88.31	90.88	92.15	91.45	92.65	89.68
17	89.18	88.66	88.10	87.60	89.50	89.90	88.78	91.02	91.27	91.75	92.73	89.57
18	89.00	88.63	88.27	87.60	89.93	89.70	89.11	91.20	91.47	91.83	92.72	89.55
19	89.17	88.62	88.27	87.72	90.16	90.22	89.26	91.44	91.62	91.97	91.87	89.50
20	89.17	88.63	88.07	87.68	90.37	90.56	89.38	91.25	91.72	92.14	92.25	89.54
21	88.94	88.45	88.05	87.67	90.12	90.80	89.18	91.08	91.90	92.22	92.36	89.54
22	88.73	88.41	87.95	87.67	89.94	90.81	88.91	91.42	92.08	92.05	91.47	89.35
23	88.80	88.52	88.03	87.52	90.38	90.95	89.10	91.67	92.37	91.93	91.75	89.35
24	88.87	88.64	88.03	87.50	90.57	90.95	89.62	91.75	92.27	92.20	91.48	89.37
25	88.97	88.65	88.15	87.65	90.84	90.76	89.74	91.87	91.73	92.40	91.12	89.37
26	89.17	88.64	88.08	87.66	90.98	90.58	89.40	91.95	91.96	92.50	90.69	89.54
27	89.17	88.54	87.77	87.66	91.04	90.81	89.33	91.37	92.07	92.48	90.69	89.54
28	88.90	.....	88.10	87.70	90.32	90.89	89.30	91.55	92.16	92.65	90.65	89.26
29	88.96		88.30	87.61	90.35	90.76	89.31	91.73	92.20	92.50	90.57	89.14
30	89.00		88.30	87.50	90.17	90.83	89.29	91.82	92.25	92.00	90.32	89.14
31	88.92		88.17		91.02		89.43	91.87		92.22	.....

270-T7. Procter & Gamble Co. Vine St. and Big 4 Railroad, Ivorydale. Drilled test well in sand and gravel, diameter 6 inches, depth 151 feet. Highest water level 110.6, Apr. 8, 1940; lowest 129.70, Oct. 6, 1947. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	122.97	Feb. 6	121.96	Feb. 27	121.90	Mar. 20	120.95
9	122.90	13	121.90	Mar. 6	121.41	27	120.98
23	124.11	20	121.92	13	121.38	Apr. 3	121.14

270-T7--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 10	121.19	June 12	121.80	Aug. 15	123.87	Nov. 6	125.95
17	121.09	19	122.16	21	124.19	13	125.85
24	120.94	26	122.73	28	124.52	21	125.04
May 1	120.93	July 3	123.37	Sept. 4	124.89	Dec. 4	124.35
8	121.09	10	122.79	18	125.16	11	123.94
15	120.70	17	122.52	Oct. 2	125.47	18	123.98
22	121.04	24	122.85	16	125.76	23	123.50
29	121.32	31	122.54	23	125.70	30	123.32
June 5	121.35	Aug. 7	123.37	30	125.95		

Hancock County

Ha-2. R. E. Ascham. Lat. 40°57'00", long. 83°46'00". Drilled unused well in limestone, diameter 6 inches, depth 27 feet. Highest water level 0.22, Feb. 14, 1950; lowest 6.60, Dec. 2, 1949. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.26	....	....	1.22	0.97	3.23	3.62	3.28	3.30	4.81	3.66	2.44
2	5.33	....	....	1.33	1.05	3.23	3.61	3.37	3.50	4.86	3.79	2.35
3	3.93	....	....	1.13	1.31	3.18	3.59	3.48	3.55	4.92	3.81	.36
4	2.00	....	....	.44	1.47	2.94	3.57	3.55	3.69	4.98	3.66	.94
5	2.42	....	2.18	.77	1.61	3.05	3.59	3.70	3.74	5.03	3.55	1.18
6	2.42	....	2.25	.97	1.89	3.17	3.69	....	3.77	5.06	3.55	1.26
7	2.03	....	2.14	1.36	2.16	3.21	3.78	....	....	5.07	3.57	.94
8	2.04	1.72	1.94	1.63	2.23	3.24	3.79	4.26	....	5.07	3.43	1.16
9	2.11	.77	2.23	1.72	2.19	3.24	3.85	4.36	....	4.42	2.33	1.35
10	1.22	.77	2.29	.42	2.15	2.77	3.97	4.51	....	2.32	2.03	1.86
11	1.16	1.11	2.16	.93	2.24	2.61	4.07	4.33	....	1.90	2.24	1.46
12	1.26	1.24	1.42	1.15	2.25	2.72	4.17	4.02	4.67	2.31	2.32	1.66
13	1.22	1.24	1.33	1.44	2.38	2.78	4.12	4.12	4.77	2.56	2.50	1.83
14	1.14	.22	1.42	1.57	2.44	3.02	4.08	4.37	4.82	2.69	2.55	1.40
15	1.17	.31	1.29	1.62	2.62	3.05	4.17	4.51	4.88	2.87	2.56	2.10
16	.92	.65	1.14	....	....	3.03	4.41	4.59	5.00	2.94	2.58	2.18
17	1.04	.87	1.16	1.78	2.79	3.16	4.44	4.61	5.09	3.04	2.65	2.32
18	1.30	.91	1.05	1.90	2.87	3.16	3.96	4.63	5.10	3.07	2.65	2.32
19	1.63	1.19	1.21	2.03	2.91	3.15	3.92	3.72	5.12	3.11	1.64	2.46
20	1.76	1.33	1.17	2.10	2.96	3.21	3.92	3.81	4.16	3.20	.87	2.62
21	1.79	1.31	.85	2.24	2.96	3.32	3.61	3.87	4.04	3.22	1.12	2.64
22	1.89	1.10	.73	2.28	2.97	3.32	3.72	4.09	3.64	3.27	1.29	2.63
23	1.89	1.36	1.06	2.29	3.00	3.34	3.78	4.47	3.82	3.42	....	2.63
24	1.76	1.46	1.16	2.08	3.02	3.40	2.43	4.62	3.87	3.44	....	2.62
25	.65	1.64	1.42	2.03	3.09	3.37	2.69	4.73	3.94	3.59	....	2.64
26	.71	1.85	1.43	2.15	3.11	3.41	2.89	4.80	3.98	3.66	....	2.79
27	.76	1.95	.42	2.31	3.11	3.49	2.99	4.83	4.06	3.63	....	....
28	1.84	1.86	.67	2.41	3.10	3.48	3.06	4.84	4.21	3.63	....	....
29	1.08	....	1.10	2.41	3.11	....	3.13	4.63	4.54	3.70	....	....
30	1.26	....	1.24	2.37	3.10	3.59	3.17	4.26	4.69	3.66	2.40	....
31	1.43	....	1.28	....	3.14	....	3.17	4.53	....	....	....	....

Ha-3. City of Findlay. Lat. 41°00'00", long. 83°29'00". Drilled unused well in limestone, diameter 10 inches, depth 240 feet. Highest water level 4.10, June 8, 1947; lowest 19.26, Jan. 14, 1950. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	14.94	....	....	....	6.12	6.39	6.56	6.80	7.00	6.86	....
2	....	14.17	....	....	....	6.10	6.31	6.60	6.80	6.99	6.95	6.19
3	....	13.92	....	....	5.67	6.08	6.33	6.62	6.80	6.97	6.96	5.29
4	....	13.58	....	....	5.70	6.10	6.33	6.62	6.86	6.97	6.88	5.69
5	....	13.32	....	....	5.70	6.18	6.36	6.64	6.88	7.01	6.96	6.84
6	....	12.81	8.11	....	5.87	6.21	6.36	6.65	6.87	7.00	6.99	5.88
7	....	12.80	7.92	....	6.05	6.25	6.32	6.66	6.68	6.96	7.00	5.75
8	18.70	12.72	7.90	....	6.07	6.23	6.35	6.66	6.74	6.94	6.90	5.55
9	19.03	12.07	....	....	5.80	6.18	6.33	6.67	6.75	6.88	6.90	5.65
10	19.20	11.52	....	....	5.88	6.19	6.32	6.65	6.76	6.69	6.81	5.80
11	19.24	11.20	....	....	....	6.21	6.34	6.72	6.78	6.48	6.79	5.84
12	19.18	11.10	6.40	....	5.72	6.20	6.32	6.72	6.80	6.59	6.77	5.98

Ha-3--Continued.

Daily lowest water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	19.11	10.77	6.33	....	5.75	6.14	6.42	6.73	6.90	6.63	6.76	6.08
14	19.26	8.32	....	....	5.76	....	6.42	6.71	6.92	6.68	6.76	6.09
15	19.18	7.99	....	....	5.87	6.14	6.42	6.70	6.99	6.96	6.70	6.20
16	18.82	8.26	....	....	5.92	6.18	6.41	6.72	7.02	6.96	6.76	6.21
17	18.81	8.47	....	....	5.52	6.27	6.40	6.73	7.00	6.95	6.80	6.16
18	18.00	8.62	....	....	5.96	6.21	6.46	6.77	6.92	6.93	6.76	....
19	15.06	....	....	....	6.00	6.17	6.41	6.75	6.92	6.94	6.69	....
20	18.10	....	5.75	....	5.95	6.23	6.48	6.77	6.86	6.96	5.74	....
21	....	....	5.77	....	5.99	6.27	6.48	6.76	....	6.92	....	....
22	19.03	....	5.53	....	5.95	6.24	6.47	6.76	6.85	6.93	....	....
23	19.08	....	5.67	....	6.00	6.17	6.48	6.80	7.00	6.90	....	6.00
24	18.61	....	5.80	....	6.02	6.25	6.50	6.81	7.06	6.90	....	6.14
25	17.43	....	....	6.10	6.08	6.26	6.53	6.78	6.99	6.91	....	6.18
26	17.00	....	....	6.20	6.08	6.25	6.50	6.80	7.01	6.96	....	6.28
27	16.73	....	....	....	6.07	6.31	6.52	6.80	6.98	6.86	....	....
28	....	....	....	....	....	6.30	6.51	6.78	6.98	5.90	....	....
29	15.95	....	....	....	5.95	6.30	6.51	6.77	6.98	6.93	....	....
30	16.00	....	....	....	5.96	6.35	....	6.80	6.95	6.92	....	6.11
31	15.70	....	....	....	6.07	....	....	....	....	6.86	....	6.23

Hardin County

Hn-1. Village of Alger. Lat. 40°42'15", long. 83°50'08". Drilled unused well in limestone, diameter 6 inches, depth 140 feet. Highest water level 5.80, Feb. 24, 1947; lowest 12.30, Oct. 17, 1946. 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	11.00	7.79	7.44	7.98	7.64	8.28	8.95	....	9.65	10.23	9.30	10.00
2	10.83	7.78	7.90	7.50	7.64	8.18	8.88	....	9.70	10.14	9.20	9.85
3	11.26	8.50	7.96	7.69	7.51	8.12	8.71	....	9.70	10.17	8.90	9.60
4	....	8.77	7.94	7.58	7.41	7.91	8.74	....	10.45	10.12	8.95	9.40
5	10.96	8.10	7.95	7.70	7.41	8.40	8.97	....	10.41	10.02	8.90	9.30
6	10.44	7.84	7.65	7.76	7.46	8.36	9.76	....	10.39	10.00	8.20	9.30
7	11.11	8.95	7.65	7.75	7.93	8.40	9.12	....	10.32	10.00	9.10	9.15
8	11.23	9.25	8.11	7.55	8.18	8.39	9.05	....	10.17	9.98	9.10	9.10
9	10.57	8.81	8.26	7.46	8.12	8.34	9.14	....	10.03	9.95	8.90	9.05
10	9.72	8.93	8.26	7.45	8.07	8.15	9.15	10.60	10.02	9.90	9.05	9.05
11	9.70	9.04	8.00	7.55	8.05	8.10	9.13	10.58	10.11	9.40	8.90	8.95
12	9.57	9.00	8.11	8.62	8.05	8.13	9.20	10.42	10.21	10.50	8.85	8.90
13	8.88	8.99	8.14	8.70	8.02	7.81	....	10.34	10.17	10.75	8.65	8.90
14	8.85	7.27	8.45	8.98	7.96	8.03	....	10.28	10.18	10.92	8.80	8.95
15	8.85	7.30	8.68	8.80	8.08	7.96	....	10.82	10.16	10.07	8.85	8.90
16	8.48	7.30	8.66	9.06	8.01	8.00	....	10.85	10.17	10.11	8.70	....
17	8.52	7.30	8.58	8.79	8.23	8.12	....	10.74	10.19	10.70	9.30	....
18	....	7.03	8.43	9.08	8.24	8.07	....	10.59	10.37	10.13	9.25	....
19	....	7.05	8.47	8.50	8.33	7.90	8.03	10.15	10.50	9.65	9.10	....
20	....	7.05	8.30	8.84	8.37	8.00	9.23	10.19	10.41	9.25	9.00	....
21	....	6.84	8.05	9.33	8.36	8.00	9.27	10.04	10.18	9.20	8.95	....
22	....	7.17	8.03	8.13	8.24	7.85	9.26	9.50	9.80	9.05	8.80	....
23	....	7.31	7.93	8.12	8.33	8.17	9.28	10.07	9.67	8.90	8.25	....
24	....	7.40	7.92	8.50	8.35	8.31	9.38	10.05	9.67	8.80	9.35	....
25	....	7.50	7.94	8.90	8.27	8.22	10.74	9.96	9.63	8.90	9.85	....
26	7.35	7.53	7.90	8.11	8.32	8.31	10.91	9.93	10.36	8.92	10.20	....
27	7.46	7.49	7.88	8.03	8.32	8.41	10.94	9.93	10.40	8.90	10.45	....
28	7.50	7.43	7.96	8.05	8.30	9.32	....	9.83	10.40	8.65	10.65	....
29	7.74	....	8.17	7.90	8.27	10.03	....	9.77	9.96	8.65	10.70	....
30	7.75	....	8.16	7.80	8.35	10.20	....	9.74	10.20	8.65	10.30	....
31	....	....	....	....	8.31	....	....	9.74	....	9.20	....	....

Hn-2. E. Abaler. Lat. 40°46'56", long. 83°41'30". Drilled unused well in limestone, diameter 4 inches, depth 50 feet. Highest water level 8.59, Apr. 12, 1950; lowest 25.1, Dec. 29, 1946. Records available: 1946-50.

Hn-2--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.45	9.35	8.70	8.62	8.66	9.15	9.58	10.95	12.20	13.34	12.28	10.69
2	12.25	9.37	8.83	8.65	8.64	9.15	.....	11.10	12.32	13.35	12.35	10.56
3	11.87	9.52	8.83	8.60	8.62	8.96	.....	11.24	12.41	13.30	12.36	10.31
4	12.16	9.52	8.81	8.64	8.62	9.04	9.76	11.27	12.64	13.28	12.24	10.37
5	12.19	9.50	8.75	8.76	8.62	9.14	9.77	.....	12.76	13.26	12.34	10.54
6	11.97	9.01	8.85	9.00	8.68	9.19	9.91	.....	12.81	13.29	12.55	10.51
7	11.88	9.34	8.73	8.96	8.96	9.25	9.96	.....	12.72	13.28	12.55	10.14
8	11.50	9.30	8.77	8.68	9.02	9.24	10.03	11.88	12.60	13.27	12.13	10.09
9	11.25	9.03	9.13	8.90	8.68	9.16	10.06	11.88	12.60	13.15	12.33	9.99
10	11.21	9.03	9.17	8.93	8.70	9.07	10.08	11.87	12.62	13.09	12.45	9.97
11	11.44	8.99	8.77	8.62	8.70	9.23	10.01	11.85	12.34	13.04	12.53	9.82
12	11.26	8.98	8.99	8.59	8.68	9.31	9.94	11.85	12.35	12.98	12.50	9.83
13	10.68	8.71	8.97	8.64	8.67	9.02	10.08	11.86	12.45	13.06	12.34	9.95
14	10.75	8.65	8.98	8.76	8.67	9.18	10.08	11.86	12.58	13.04	12.32	9.54
15	10.67	8.65	9.01	8.75	8.67	9.18	10.10	11.84	12.73	13.16	12.04	9.63
16	10.52	8.65	8.95	8.71	8.67	9.09	10.13	11.65	12.82	13.13	11.99	9.62
17	10.46	8.65	8.88	8.64	8.67	.....	10.11	11.86	13.02	13.04	12.17	9.66
18	10.01	8.65	9.04	8.61	8.67	.....	10.39	11.86	13.04	12.93	12.08	9.65
19	10.18	8.66	9.04	8.61	8.67	.....	10.37	11.86	13.00	12.66	11.74	9.60
20	10.25	8.70	8.79	8.61	8.67	.....	10.48	11.86	13.00	12.66	11.76	9.92
21	10.00	8.67	8.67	8.64	8.68	.....	10.67	11.87	12.87	12.61	11.76	9.98
22	9.64	.....	8.65	8.66	8.68	.....	10.64	11.89	12.71	12.49	11.38	10.01
23	9.62	.....	8.66	8.63	8.70	.....	10.57	11.99	13.11	12.66	11.21	10.01
24	9.42	.....	8.66	8.63	8.71	.....	10.66	12.08	13.19	12.64	11.24	10.01
25	9.38	.....	8.76	8.63	8.81	.....	10.74	12.07	13.14	12.52	11.17	10.03
26	9.77	.....	8.72	8.62	8.92	.....	10.71	12.10	13.18	12.65	9.94	10.07
27	9.79	.....	8.65	8.76	8.89	9.50	10.71	12.11	13.12	12.54	10.52	.....
28	9.64	8.67	8.64	8.90	8.88	9.50	10.70	12.09	13.22	12.52	10.68	.....
29	9.41	.....	8.72	8.90	8.91	9.54	10.64	12.01	13.26	12.60	10.64	.....
30	9.54	.....	8.76	8.73	8.82	9.53	10.77	12.07	13.25	12.56	10.58	.....
31	9.36	.....	8.76	.....	8.94	.....	10.85	12.10	.....	12.42	.....	.....

Henry County

Hy-1. H. Fosnow. Formerly A. F. Beam. Lat. 41°14'26", long. 83°54'03". Drilled unused well in limestone, diameter 4 inches, depth 81 feet. Records available: 1946-50. Dec. 1, 20.90.

Daily lowest water level from recorder graph

Day	Jan.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	21.80	.....	20.79	20.92	20.97	21.27	21.27	21.11
2	21.75	.....	20.78	20.86	21.00	21.21	21.29	21.14
3	21.62	.....	20.75	20.85	21.04	21.22	21.27	21.16
4	21.64	.....	20.76	20.76	21.06	21.27	21.27	21.09
5	21.64	.....	20.76	20.80	21.10	21.31	21.30	21.08
6	20.82	20.83	21.12	21.32	21.30	21.15
7	20.87	20.87	21.15	21.30	21.29	21.15
8	20.91	20.91	21.15	21.27	21.28	21.12
9	20.91	20.92	21.17	21.27	21.18	21.13
10	20.77	20.92	21.16	21.27	20.99	21.14
11	20.82	20.94	21.19	21.25	21.00	21.12
12	20.85	20.93	21.24	21.22	21.03	21.13
13	20.82	20.91	21.25	21.24	21.08	21.11
14	20.87	21.00	21.25	21.24	21.12	21.12
15	20.89	21.02	21.23	21.25	21.13	21.08
16	20.80	21.02	21.25	.....	21.17	21.02
17	20.93	21.00	21.28	21.32	21.14	21.05
18	20.90	20.99	21.32	21.33	21.14	21.05
19	20.82	20.98	21.24	21.27	21.09	20.97
20	20.85	20.90	21.28	21.26	21.13	20.92
21	20.89	20.93	21.29	21.22	21.11	20.85
22	20.89	20.95	21.29	21.12	21.12	20.90
23	20.88	20.95	21.35	21.19	21.18	20.88
24	20.90	20.93	21.39	21.24	21.18	20.88
25	20.71	20.75	20.97	21.39	21.23	21.18	20.87
26	20.72	20.77	20.96	21.41	21.24	21.21	20.86
27	20.74	20.84	20.97	21.40	21.24	21.20	20.86
28	20.74	20.87	20.97	21.37	21.26	21.14	20.87

Hy-1--Continued.

Daily lowest water level from recorder graph								
Day	Jan.	May	June	July	Aug.	Sept.	Oct.	Nov.
29	20.75	20.86	20.97	21.32	21.27	21.16	20.87
30	20.72	20.87	20.99	21.32	21.26	21.17	20.87
31	20.72		20.99	21.32		21.13	

Huron County

Hu-2. City of New London. Lat. 41°04'54", long. 82°25'00". Drilled unused well in sandstone, diameter 4 inches, depth 105 feet. Records available: 1947-50.

Daily lowest water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.15	.....	.....	14.15	.....	13.99	14.32	14.69	15.08	15.50	15.62	15.53
2	15.52	.....	.....	14.12	13.81	14.00	14.31	14.72	15.11	15.51	15.61	.....
3	15.41	.....	14.50	14.07	13.83	13.97	14.32	.....	15.21	15.51	15.61	.....
4	15.36	15.01	14.50	14.04	13.83	13.89	14.33	.....	.....	15.51	15.60	15.45
5	15.37	15.01	14.47	14.03	13.86	13.92	14.35	14.83	15.22	15.53	15.68	15.52
6	15.37	14.95	14.47	14.09	13.93	13.99	14.39	14.87	15.24	.....	15.64	15.52
7	15.34	14.99	14.43	14.09	13.97	14.01	14.33	14.89	15.24	15.53	15.66	15.50
8	15.36	14.99	14.34	14.11	13.95	14.04	14.48	14.90	15.22	15.50	15.61	15.40
9	15.30	14.89	14.36	.....	13.88	14.04	14.50	14.91	15.23	15.48	15.62	15.40
10	15.26	14.89	14.38	.....	13.90	13.98	14.51	14.91	15.22	15.43	15.67	15.37
11	15.26	14.92	.....	.....	13.89	14.02	14.52	14.93	15.23	15.41	15.70	15.37
12	15.24	.....	.....	.....	13.85	14.04	14.52	14.95	15.26	15.43	15.71	.....
13	15.15	14.49	.....	14.01	13.81	14.02	14.52	14.97	15.27	15.47	15.71	.....
14	15.24	14.52	.....	14.03	13.82	14.04	14.55	14.98	15.27	15.47	15.73	.....
15	15.24	14.54	.....	14.03	13.85	14.05	14.58	14.98	15.30	.....	15.72	.....
16	15.17	14.60	14.33	14.03	13.85	14.06	.....	15.00	15.35	.....	15.68	.....
17	15.17	14.60	14.33	14.00	13.85	14.13	.....	15.02	15.40	.....	15.69	.....
18	15.12	14.60	14.33	13.99	13.86	14.13	14.57	15.02	15.41	.....	15.69	.....
19	15.18	14.63	14.37	13.98	13.88	14.08	14.57	14.91	15.37	.....	15.65	15.42
20	15.20	14.62	14.35	13.98	13.91	14.10	14.58	14.95	.....	.....	15.53	15.44
21	15.15	.....	14.28	14.00	13.91	14.15	14.62	14.96	15.34	.....	15.55	15.44
22	15.12	.....	14.26	14.02	13.90	14.15	14.64	15.00	15.30	.....	15.57	15.41
23	15.08	.....	14.22	13.97	13.91	14.15	14.65	15.04	15.32	15.57	.....	15.38
24	15.04	.....	.....	13.87	13.93	14.16	14.65	15.06	15.38	15.57	15.66	15.31
25	14.97	.....	14.23	13.85	13.90	14.18	14.64	15.07	15.41	15.59	15.66	15.32
26	15.02	.....	14.22	13.90	13.92	14.22	14.66	15.09	15.44	15.63	15.42	15.33
27	15.04	.....	14.09	13.94	13.93	14.23	14.69	15.10	15.44	15.63	15.47	.....
28	15.00	.....	13.98	.....	13.92	14.25	14.69	15.10	15.48	15.60	15.48	.....
29	.....	.....	14.12	.....	13.93	14.29	14.70	15.11	15.48	15.59	15.48	.....
30	.....	.....	14.17	.....	13.93	.....	14.73	15.12	15.49	15.62	15.51	.....
31	.....	.....	14.18	.....	13.93	.....	14.73	15.12	.....	15.63	.....	.....

Jackson County

J-1. City of Jackson. Lat. 38°59'03", long. 82°36'06". Drilled unused well in gravel, diameter 8 inches, depth 100 feet. 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	25.20	19.71	24.66	25.30	25.85	25.99	25.88	24.96	24.81	24.14	.....	22.70
2	25.18	21.21	25.17	.....	25.82	.....	.....	25.45	24.80	24.17	.....	22.70
3	23.22	22.74	25.30	19.88	25.62	.....	.....	25.56	24.78	24.16	.....	19.20
4	23.60	23.92	25.40	23.15	25.65	.....	.....	25.61	24.70	24.35	.....	22.10
5	19.05	24.20	25.28	24.09	25.70	.....	.....	25.68	24.68	24.35	.....	24.20
6	19.66	24.16	25.37	24.80	25.83	.....	.....	25.72	24.70	24.35	.....	24.40
7	23.79	24.50	25.23	24.82	25.95	.....	.....	25.73	24.68	24.35	25.20	.....
8	24.56	24.55	25.09	24.91	26.00	.....	.....	24.95	25.60	24.63	24.35	25.25
9	24.76	24.42	26.00	25.40	25.80	.....	25.27	25.60	24.61	23.90	25.20	.....
10	24.66	23.00	26.37	25.25	25.84	.....	.....	25.46	24.90	24.60	23.85	24.90
11	23.93	24.67	26.20	25.56	25.87	.....	25.56	25.56	24.60	23.95	25.15	.....
12	23.91	24.78	25.00	25.56	25.80	25.00	25.62	25.58	24.59	.....	25.28	.....
13	21.60	24.51	23.89	25.67	25.73	24.90	25.63	25.60	24.60	.....	25.45	.....
14	22.37	24.13	25.33	25.69	25.70	24.93	25.62	25.60	24.50	.....	25.50	.....
15	22.81	24.13	25.58	25.73	25.75	24.93	25.68	23.89	24.50	.....	.....	.....

J-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	22.10	24.61	25.69	25.70	25.80	24.60	.....	23.42	24.50	.....	25.20	.....
17	22.82	24.90	25.75	25.63	25.80	22.20	25.75	24.82	24.50	.....	25.35	.....
18	23.27	24.95	25.81	25.61	25.80	23.70	25.76	25.26	24.49	.....	25.40	.....
19	23.72	25.03	25.99	25.50	25.80	24.15	25.75	25.17	24.46	.....	25.40	25.50
20	23.90	25.20	25.80	25.50	25.80	.....	25.71	25.50	24.18	.....	21.00	25.70
21	23.76	25.08	24.43	25.63	.....	.....	.....	25.59	23.73	.....	23.70	25.70
22	23.63	24.90	24.58	25.70	.....	.....	.....	25.60	22.55	.....	.....	25.60
23	23.52	23.80	24.20	.....	.....	.....	.....	25.62	23.52	.....	.....	25.60
24	23.32	24.61	24.90	25.60	.....	24.22	25.10	.....	23.98	.....	.....	25.60
25	24.17	24.91	25.33	25.70	25.84	24.35	25.30	.....	24.10	.....	.....	25.65
26	24.49	25.17	25.30	25.82	25.89	24.98	25.36	.....	24.18	.....	.....	25.95
27	22.70	25.22	25.13	25.90	25.89	25.47	25.41	.....	24.20	.....	.....	25.98
28	23.80	25.05	23.40	25.96	25.88	25.53	25.42	.....	24.10	.....	.....	25.75
29	23.66	.....	25.10	25.90	25.62	25.68	25.50	.....	24.10	.....	23.40	25.78
30	21.89	.....	25.38	25.81	25.72	25.72	25.43	24.54	24.12	.....	23.35	25.78
31	21.40	.....	25.40	.....	25.89	.....	24.90	24.78	.....	.....	.....	25.90

Jefferson County

Je-1. Steubenville Pottery Co. Lat. 40°24'30", long. 80°36'40". Drilled unused well in gravel, diameter 8 inches, depth 104 feet. Highest water level 27.6, Apr. 16, 1948; lowest 44.42, Oct. 12, 1947. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	35.00	.....	44.43	44.30	44.17	44.37	.....
2	36.14	.....	44.26	43.80	44.20	44.26	.....
3	37.98	44.26	44.34	44.06	43.98	43.88	.....
4	39.08	44.36	44.19	43.60	44.14	44.28	.....
5	38.76	44.67	.....	44.50	43.98	44.17	.....
6	43.50	37.05	44.68	.....	44.80	43.55	44.39	.....
7	43.87	37.07	44.55	.....	44.82	44.22	44.20	.....
8	43.83	37.64	45.39	.....	44.28	44.17	44.34	.....
9	44.62	38.50	44.72	.....	43.65	44.05	44.25	.....
10	44.55	39.95	44.30	.....	43.81	44.10	43.82	.....
11	44.64	41.35	.....	.....	43.66	44.04	.....	.....
12	44.51	42.65	.....	.....	43.70	.....	.....	.....
13	44.43	43.82	.....	.....	43.83	.....	.....	.....
14	41.46	.....	.....	.....	.....	43.81	.....	44.46	.....
15	39.55	.....	.....	.....	.....	43.67	.....	44.62	.....
16	37.29	.....	.....	.....	.....	43.25	.....	44.50	.....
17	37.33	.....	43.36	.....	.....	43.80	44.32	44.48	.....
18	38.28	.....	43.70	.....	.....	43.67	44.35	44.47	.....
19	38.89	.....	43.70	.....	.....	43.75	44.23	44.56	.....
20	40.44	.....	43.75	.....	.....	43.78	43.88	44.42	44.15
21	41.20	.....	43.77	.....	.....	43.90	44.23	44.38	44.05
22	43.85	.....	.....	43.90	44.20	44.85	.....
23	43.33	.....	.....	44.05	44.35	45.71	.....
24	44.63	.....	.....	43.84	.....	.....	44.22	44.26	46.00	.....
25	44.98	.....	.....	.....	.....	.....	44.36	44.40	45.46	.....
26	44.85	.....	.....	.....	.....	.....	44.31	44.31	.....	.....
27	44.30	.....	.....	.....	.....	.....	44.32	43.80	.....	44.45
28	44.05	.....	.....	.....	.....	.....	44.16	44.36	44.08	44.38
29	43.75	.....	44.85	.....	44.35	44.74	44.07	44.39	44.28	44.45
30	34.10	.....	44.23	44.58	43.60	44.48	44.26	44.31
31	34.30	.....	44.27	.....	44.26	44.31	.....	.....

Knox County

K-1. City of Mount Vernon. Lat. 40°23'45", long. 82°30'05". Drilled unused well in gravel, diameter 8 inches, depth 90 feet. Highest water level 1.43, Apr. 9, 1950; lowest 13.0, June 30, 1949. Records available: 1946-50.

K-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.01	2.87	2.07	2.40	3.49	5.73	5.38	9.20	8.51	7.46	8.14	6.18
2	6.52	3.35	2.90	2.23	4.44	5.98	4.35	8.50	7.77	9.14	7.15	5.96
3	6.60	3.82	3.14	2.63	6.24	5.45	4.86	8.23	7.40	8.03	6.70	4.78
4	7.54	3.60	3.97	2.07	4.75	2.35	3.73	7.94	6.29	6.71	6.94	6.25
5	6.80	2.43	3.33	2.56	4.08	4.43	5.00	7.70	7.48	6.68	5.22	5.22
6	4.00	3.86	3.64	1.92	4.15	4.48	6.00	6.37	7.67	8.37	7.00	6.85
7	3.70	4.42	3.65	2.80	2.50	6.58	5.87	8.04	7.92	7.03	6.91	6.60
8	3.27	2.75	3.90	2.72	4.16	6.08	5.57	8.08	7.87	6.08	6.64	5.40
9	3.38	3.05	3.45	1.43	3.58	6.42	4.22	8.27	7.56	7.09	7.10	4.04
10	....	3.79	3.31	2.86	4.30	5.34	5.89	8.35	7.36	7.01	6.80	3.91
11	....	2.75	3.33	3.52	6.35	3.84	6.64	8.52	7.97	6.71	6.52	5.20
12	2.95	1.77	2.10	3.44	6.05	6.21	7.96	7.29	8.07	7.09	5.90	5.06
13	2.82	2.87	2.94	4.19	7.35	5.30	7.42	7.12	9.30	7.32	7.29	5.45
14	2.83	2.40	3.49	3.50	6.57	6.87	6.69	8.22	8.87	6.30	7.13	5.30
15	2.18	....	5.48	3.10	5.98	5.60	6.44	11.58	8.30	6.70	6.57	5.28
16	....	2.60	4.40	2.10	4.68	5.25	6.34	10.51	8.30	7.94	6.47	5.14
17	....	2.05	3.53	3.22	5.32	5.04	7.11	11.56	6.20	7.30	6.95	5.98
18	....	3.96	3.01	3.53	5.44	4.49	6.91	12.48	8.43	7.70	6.89	6.15
19	3.50	3.10	2.05	3.52	4.60	4.65	7.41	9.30	8.19	7.59	6.15	5.97
20	3.50	4.10	3.87	2.58	4.76	4.88	7.81	7.90	8.50	7.37	6.50	6.20
21	3.58	4.60	5.78	2.57	3.33	5.11	7.63	8.63	8.17	7.17	6.40	6.82
22	2.20	4.28	3.40	3.65	4.58	6.65	8.20	8.68	8.38	5.57	6.47	6.08
23	3.90	2.64	3.11	2.67	5.28	6.87	6.26	9.66	8.04	7.35	5.07	4.80
24	....	2.75	3.31	3.90	6.40	5.71	7.51	9.53	7.27	6.68	5.67	4.45
25	3.20	2.64	3.20	3.35	5.18	4.60	7.66	9.78	7.56	7.10	5.58	4.43
26	3.01	1.53	2.20	3.70	6.20	6.52	8.31	10.27	8.66	7.49	4.61	5.20
27	3.08	3.04	3.20	3.28	4.50	6.20	8.53	8.45	8.35	7.81	6.14	....
28	2.61	3.69	4.80	3.78	4.42	5.24	8.97	10.53	8.60	6.52	6.52	7.26
29	1.98		3.27	3.90	5.86	4.97	8.49	9.49	8.83	6.18	6.32	7.27
30	3.16		3.18	3.82	4.02	5.22	6.42	8.43	8.13	8.28	6.91	6.95
31	3.30		3.03		4.49		9.03	8.38		8.27		6.86

Lake County

L-1. City of Mentor. Lat. 41°41'00", long. 81°22'03". Drilled unused well in sand, diameter 8 inches, depth 32 feet. Highest water level 14.45, Apr. 11, 1950; lowest 20.90, Aug. 5, 1948. 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	18.61	17.80	15.80	15.22	14.90	15.60	16.70	17.83	18.70	18.52	18.70	18.15
2	18.51	17.77	15.76	15.20	15.03	15.60	17.00	17.90	18.58	18.37	18.68	18.08
3	18.55	17.78	15.95	15.10	15.18	15.60	17.10	17.94	18.48	18.30	18.67	17.95
4	18.61	17.76	15.97	14.92	15.28	15.57	17.20	17.83	18.45	18.58	18.57	17.87
5	18.51	17.80	15.89	14.80	15.24	15.62	17.10	17.88	18.27	18.59	18.55	17.62
6	18.50	17.80	15.90	14.72	15.31	15.64	16.97	17.77	18.40	18.65	18.58	17.55
7	18.30	17.82	15.90	14.75	15.33	15.75	16.58	17.76	18.26	18.75	18.46	17.30
8	18.30	17.82	15.80	14.55	15.26	15.99	17.10	17.82	18.39	18.83	18.50	17.09
9	18.17	17.72	15.80	14.55	15.10	16.20	17.15	18.08	18.40	18.91	18.44	16.95
10	18.20	17.72	15.81	14.48	14.94	16.18	17.18	18.18	....	18.96	18.38	16.70
11	18.08	17.78	15.71	14.45	14.89	16.18	17.30	17.97	....	18.82	18.60	16.54
12	17.90	17.78	15.70	14.50	14.95	16.29	17.30	17.88	....	18.85	18.52	16.40
13	17.75	17.70	15.65	14.48	14.96	16.25	17.39	17.93	....	18.95	18.55	16.30
14	17.80	17.79	15.78	14.50	14.95	16.20	17.30	17.87	....	18.74	18.55	16.22
15	17.85	17.72	15.73	14.58	15.05	16.24	17.39	17.92	18.54	18.84	18.50	16.10
16	17.75	17.69	15.76	14.60	15.15	16.30	17.30	18.12	18.57	18.89	18.55	16.35
17	17.75	17.69	15.72	14.66	15.17	16.35	17.56	18.25	18.56	18.71	18.55	16.70
18	17.60	17.50	15.82	14.70	15.15	16.35	17.75	18.40	18.49	18.83	18.52	17.00
19	17.60	17.52	15.86	14.71	15.10	16.34	17.80	18.44	18.56	18.81	18.55	17.10
20	17.49	17.42	15.86	14.60	15.14	16.40	17.82	18.53	18.56	19.00	18.45	17.20
21	17.39	17.41	15.86	14.80	15.40	16.48	17.78	18.53	18.67	18.97	18.55	17.30
22	17.33	17.32	15.80	14.72	15.50	16.49	17.95	18.40	18.45	18.82	18.45	17.50
23	17.24	17.25	15.70	14.74	15.54	16.20	18.03	18.45	18.20	18.80	18.45	17.50
24	17.20	17.25	15.75	14.77	15.62	16.20	17.75	18.20	18.17	18.77	18.40	17.55
25	17.10	16.74	15.71	14.77	15.68	16.27	17.50	18.38	18.39	18.75	18.56	17.55
26	17.10	16.35	15.72	14.80	15.67	16.40	17.63	18.53	18.50	18.73	18.30	17.52

L-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
27	17.56	16.14	15.61	14.89	15.48	16.40	17.70	18.62	18.52	18.73	18.20	17.65
28	17.65	16.00	15.60	14.92	15.40	16.40	17.34	18.60	18.50	18.70	18.13	17.70
29	17.70		15.54	14.94	15.35	16.42	17.64	18.66	18.62	18.61	18.25	17.55
30	17.78		15.42	14.90	15.47	16.64	17.80	18.66	18.70	18.64	18.18	17.15
31	17.80		15.31		15.60		17.83	18.70		18.63		16.88

Lawrence County

La-1. Crystal Ice Co. Ironton, 9th and Railroad Sts. Drilled unused well in gravel, diameter 16 inches, depth 77 feet. Highest water level 42.9, Apr. 14, 1950; lowest 53.8, Oct. 19, 1947. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	47.02	.....	43.80	43.94	45.43	46.68	47.38	48.14	47.55	47.83	47.58
2	.....	47.07	.....	43.80	43.86	45.46	46.70	47.39	48.14	47.52	47.85	47.62
3	.....	47.06	43.63	43.75	43.89	45.50	46.72	47.40	48.16	47.59	47.85	47.62
4	49.50	46.89	43.51	43.79	44.06	45.55	46.74	47.40	48.18	47.66	47.86	47.66
5	49.51	46.73	43.12	43.75	44.15	45.60	46.78	47.42	48.19	47.68	47.86	47.57
6	49.61	46.44	43.48	43.79	44.25	45.67	46.82	47.44	48.21	47.72	47.86	47.35
7	49.41	46.10	43.34	43.77	44.33	45.71	46.82	47.46	48.23	47.72	47.86	47.15
8	49.11	45.78	42.98	43.72	44.35	45.75	46.83	47.48	48.24	47.74	47.85	47.03
9	48.95	45.27	43.44	43.72	44.35	45.81	46.86	47.66	48.24	47.73	47.89	46.83
10	49.00	45.07	43.46	43.22	44.42	45.88	46.88	47.74	48.24	47.75	47.89	46.62
11	48.76	44.89	43.35	43.33	44.46	45.94	46.91	47.82	48.24	47.77	47.89	46.35
12	48.50	44.63	43.70	42.94	44.46	45.99	46.92	47.85	48.25	47.80	47.89	46.07
13	48.44	44.32	43.92	42.92	44.64	46.04	46.94	47.86	48.25	47.81	47.89	45.79
14	48.52	43.77	44.03	42.90	44.75	46.06	46.95	47.88	48.25	47.81	47.89	45.37
15	48.54	43.94	44.05	43.30	44.85	46.10	46.96	47.89	48.25	47.82	47.89	45.26
16	48.54	43.46	.....	43.35	44.85	46.17	47.00	47.92	48.26	47.83	47.69	45.18
17	48.38	43.28	44.15	43.44	44.98	46.17	47.00	47.93	48.27	47.84	47.68	45.10
18	48.28	44.16	44.23	43.52	45.01	46.20	47.02	47.95	48.28	47.83	47.63	45.03
19	46.57	44.02	44.25	43.56	45.05	46.22	47.10	47.96	.....	47.82	47.53	44.94
20	46.35	43.37	44.29	43.59	45.09	46.25	47.11	47.97	47.96	47.84	47.47	44.88
21	46.20	43.51	44.33	43.64	45.13	46.29	47.12	47.97	47.94	47.84	47.54	44.86
22	.....	43.56	44.03	43.66	45.18	46.30	47.15	48.00	47.88	47.83	48.09	44.81
23	.....	.....	43.60	43.67	45.24	46.32	47.17	48.02	47.84	47.85	47.66	44.79
24	.....	.....	43.47	43.81	45.72	46.35	47.20	48.03	47.31	47.85	47.72	44.61
25	.....	.....	43.83	43.91	45.24	46.38	47.23	48.05	47.80	.....	47.72	44.50
26	.....	.....	43.46	44.00	45.26	46.41	47.24	48.05	47.73	.....	47.70	44.44
27	47.29	.....	43.82	44.06	45.28	46.52	47.26	48.06	47.68	.....	47.61	44.41
28	47.33	.....	43.83	44.10	45.32	46.57	47.28	48.11	47.64	.....	47.53	44.31
29	47.14	.....	.....	44.15	45.34	46.61	47.30	48.10	47.61	.....	47.55	44.27
30	47.07	.....	43.93	44.12	45.38	46.64	47.33	48.12	47.59	.....	47.55	44.38
31	46.91	.....	43.93	.....	45.39	.....	47.36	48.12	.....	.....	.....	44.30

Logan County

Lo-1. Bellefontaine Grange. Lat. 40°21'45", long. 83°47'18". Drilled unused well in gravel, diameter 4 inches, depth 120 feet. Highest water level 12.5, Feb. 19, 1950; lowest 22.0, Dec. 31, 1946. 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	20.17	14.26	13.79	14.09	13.92	15.10	16.32	17.11	18.25	19.09	19.40	.....
2	20.17	14.44	13.96	14.16	13.97	15.10	16.34	17.17	18.25	19.12	19.49	.....
3	20.12	14.49	13.98	14.04	13.99	15.14	16.35	17.23	18.25	19.13	19.49	.....
4	19.80	14.50	13.98	13.83	14.01	15.18	16.29	17.27	18.25	19.15	19.53	17.13
5	19.13	14.50	13.93	13.36	14.10	15.26	16.13	17.31	18.27	19.21	16.56	17.08
6	18.73	14.41	14.00	13.46	14.24	15.37	16.19	17.35	18.30	19.25	19.63	16.80
7	18.12	14.58	13.93	13.45	14.40	15.41	16.24	17.37	18.34	19.25	19.63	16.67
8	17.79	14.57	14.08	13.73	14.40	15.44	16.29	17.38	.....	19.21	19.61	.....
9	17.40	14.04	14.27	13.93	14.30	15.45	16.31	17.39	.....	.....	19.71	.....
10	17.16	13.86	14.33	.....	14.21	15.45	16.37	17.38	.....	.....	19.71	.....
11	16.61	14.02	14.10	13.60	14.15	15.52	16.39	17.53	18.52	.....	19.70	16.20
12	16.28	14.03	14.05	13.65	13.98	15.55	16.41	17.57	18.53	.....	19.70	16.35

Lo-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
13	16.41	.....	14.07	13.75	13.84	15.58	16.54	17.59	18.59	.....	19.70	16.47
14	15.98	12.71	14.12	13.85	13.84	15.67	16.59	.....	18.68	.....	19.70	.....
15	15.83	12.93	14.13	13.87	13.90	15.68	16.66	17.59	18.70	.....	19.69	.....
16	15.12	13.13	14.14	13.90	14.03	15.75	16.66	17.59	18.70	.....	19.76	.....
17	14.60	13.30	14.34	13.88	14.16	15.88	16.66	17.65	18.71	.....	19.78	.....
18	14.75	13.30	14.34	13.91	14.30	15.87	16.64	17.68	18.73	18.83	19.78	17.06
19	15.00	12.53	14.18	13.99	14.36	15.87	16.65	17.73	.....	18.86	19.75	17.12
20	15.07	13.53	13.96	13.99	14.48	15.88	16.66	17.78	.....	18.98	19.72	17.24
21	15.03	13.49	13.80	13.11	14.48	15.98	16.74	17.82	18.80	19.02	19.45	17.24
22	15.08	13.30	13.75	13.12	14.57	15.98	16.75	17.86	18.79	19.04	18.99	17.25
23	15.13	13.35	13.97	14.05	14.63	15.98	16.78	17.91	18.90	19.15	18.83	17.25
24	15.08	13.59	13.99	14.13	14.67	16.04	16.86	17.94	18.91	19.20	18.81	17.25
25	14.62	13.62	14.17	14.29	14.81	16.09	16.87	17.98	18.91	19.23	18.74	17.33
26	14.50	13.71	14.11	14.32	14.86	16.08	16.89	18.03	18.93	19.25	18.64	17.53
27	13.84	13.76	13.81	14.35	14.86	16.17	16.91	18.05	18.97	19.24	18.91	17.53
28	13.78	13.62	13.90	14.46	14.89	16.17	.....	18.05	19.00	19.33	.....	.....
29	14.50		13.15	14.48	14.89	16.21	17.00	.....	.....	19.35	.....	.....
30	14.15		13.18	14.36	14.88	16.26	17.04	.....	.....	19.37	.....	.....
31	14.26		14.13		15.01		17.07	18.19		19.39		.....

Lorain County

Ln-1. Village of Lagrange. Drilled test well, diameter 6 inches, depth 54 feet. 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	....	29.8	30.7	25.9	26.9	29.9	32.2	29.7	24.1	33.0	26.3	28.1
2	....	24.5	16.8	23.8	24.5	33.3	32.8	28.6	25.4	33.6	24.6	26.9
3	....	28.9	30.1	26.6	27.2	30.9	32.3	18.8	28.4	27.1	27.8	27.7
4	....	30.0	20.2	16.6	22.0	31.9	32.9	26.2	29.8	33.2	25.3	26.3
5	26.9	27.2	23.3	28.8	25.7	30.9	32.3	27.7	30.1	24.2	25.7	26.3
6	30.1	23.4	30.0	19.0	22.8	32.9	31.7	27.5	28.3	28.4	28.0	26.8
7	27.2	29.7	30.0	29.0	24.0	30.3	24.1	26.0	28.5	31.5	29.1	25.4
8	31.0	25.0	29.0	29.3	29.4	29.2	26.1	27.3	23.8	31.9	28.0	25.0
9	31.0	16.1	21.1	29.9	22.9	32.0	29.8	28.3	26.5	32.1	27.7	27.3
10	29.5	26.5	28.7	25.7	27.6	31.8	30.4	19.6	29.6	32.1	32.1	29.5
11	26.4	26.0	29.2	19.6	18.8	31.0	31.1	26.2	30.3	31.9	29.1	31.0
12	18.2	23.3	14.2	29.3	26.6	31.6	31.3	28.8	25.8	21.3	28.7	26.7
13	30.9	29.3	23.7	26.2	22.9	30.5	29.5	30.5	25.9	26.8	29.2	26.5
14	26.8	28.0	28.9	31.5	23.3	27.4	23.3	23.8	27.3	29.6	29.3	25.7
15	26.3	29.9	29.7	31.8	29.1	27.6	26.9	28.8	27.6	30.2	27.1	27.7
16	29.7	25.1	17.7	16.7	29.1	27.4	28.1	30.8	29.2	28.6	26.2	26.8
17	24.5	29.4	24.7	23.9	29.3	30.5	29.6	29.0	23.8	29.7	26.2	28.8
18	29.1	25.3	29.0	27.2	22.1	30.7	30.3	28.8	32.1	21.5	28.9	27.9
19	20.7	28.2	30.1	30.2	29.0	29.5	28.5	29.2	32.5	23.3	27.0	26.2
20	30.2	30.1	29.0	29.1	29.7	30.2	29.8	28.7	32.8	26.5	25.1	26.9
21	28.5	16.6	29.0	31.6	30.2	29.4	25.9	29.4	29.1	28.1	28.7	25.5
22	29.9	26.5	24.7	30.3	27.5	29.5	26.6	27.4	30.1	22.1	29.9	26.1
23	30.5	29.6	24.3	25.8	30.9	30.0	30.4	28.3	32.7	26.2	27.2	29.6
24	29.3	26.7	22.0	25.9	29.8	31.0	30.9	20.8	33.5	27.3	29.3	26.4
25	24.9	29.9	23.9	30.1	28.5	30.9	29.8	28.3	33.6	27.2	29.5	27.6
26	18.5	26.8	28.6	24.0	32.2	31.6	31.0	24.0	33.7	22.6	31.0	26.0
27	23.2	30.1	25.5	22.6	32.7	31.3	21.0	26.7	27.5	24.5	27.4	....
28	29.3	29.3	28.5	24.4	32.7	31.70	28.8	27.0	22.4	27.0	28.4	24.7
29	27.5		29.5	27.5	32.7	31.6	29.4	26.0	33.5	27.5	28.9	23.1
30	29.3		13.3	24.6	32.7	32.7	21.3	28.4	26.4	27.9	26.0	24.5
31	23.7		23.7		32.6		28.0	25.4		27.0		25.5

Lucas County

Lu-1. Toledo State Hospital. Lat. 41°40'32", long. 83°36'24". Drilled unused well in limestone, diameter 12 inches, depth 250 feet. Highest water level 84.3, July 18, 1947; lowest 111.27, Sept. 29, 1950. Records available: 1946-50.

Lu-1--Continued

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	95.13	.....	107.50	.....	.....	101.70	.....
2	.....	.....	.....	.....	.....	95.62	.....	108.20	.....	.....	101.50	.....
3	.....	.....	.....	89.74	.....	95.86	.....	108.72	.....	.....	101.50	.....
4	.....	.....	.....	89.83	89.26	94.92	.....	109.12	.....	110.70	101.15	.....
5	.....	.....	.....	90.16	89.15	.....	.....	109.33	.....	110.95	100.90	.....
6	.....	.....	91.05	90.37	89.26	96.30	.....	108.25	.....	111.16	100.78	.....
7	.....	.....	90.82	90.26	89.71	97.34	.....	107.30	.....	111.25	100.76	.....
8	.....	.....	90.51	90.25	89.82	98.05	.....	108.27	.....	110.55	100.45	.....
9	.....	.....	91.04	90.26	89.58	98.83	.....	108.97	.....	109.00	100.35	.....
10	.....	91.68	91.12	90.07	89.38	99.46	.....	109.42	.....	110.10	100.35	.....
11	94.20	91.95	90.83	.....	89.51	98.60	.....	.....	.....	110.43	100.30	.....
12	94.05	91.95	90.75	.....	.....	98.47	.....	.....	109.03	.....	100.25	.....
13	93.56	91.89	90.58	.....	.....	99.12	106.04	.....	.....	.....	99.93	.....
14	93.81	91.46	.....	.....	.....	101.96	106.52	107.78	.....	.....	99.90	97.45
15	93.77	91.29	.....	.....	.....	102.53	106.70	108.97	.....	.....	99.50	97.40
16	93.78	91.41	.....	.....	.....	103.09	105.40	109.56	.....	109.50	99.15	97.45
17	93.78	91.54	.....	.....	.....	103.53	104.00	109.98	.....	109.68	99.18	97.50
18	93.24	.....	.....	.....	.....	102.05	105.66	110.10	.....	108.20	99.10	.....
19	.....	.....	.....	.....	.....	101.00	106.10	100.20	.....	107.00	98.70	.....
20	.....	.....	.....	.....	.....	102.43	.....	109.23	.....	106.20	98.68	.....
21	.....	.....	.....	.....	.....	103.27	107.30	107.68	.....	105.68	.....	.....
22	.....	.....	.....	.....	.....	.....	107.49	.....	110.66	105.00	98.40	.....
23	.....	.....	.....	.....	.....	.....	106.28	.....	110.88	104.50	98.40	.....
24	92.54	.....	.....	.....	.....	.....	105.30	.....	110.05	.....	98.43	.....
25	93.07	.....	.....	.....	.....	.....	106.67	.....	109.18	.....	98.40	.....
26	93.12	.....	.....	.....	.....	.....	107.28	.....	110.22	.....	97.65	.....
27	92.85	.....	.....	.....	.....	.....	107.78	.....	110.72	.....	97.75	.....
28	92.50	.....	.....	.....	.....	.....	108.06	.....	111.10	.....	97.80	.....
29	92.70	.....	.....	.....	90.80	.....	108.21	.....	111.27	.....	97.80	.....
30	92.52	.....	.....	.....	91.71	.....	107.08	.....	.....	102.05	.....	.....
31	92.53	.....	.....	.....	93.41	.....	106.13	.....	.....	102.05	.....	.....

Madison County

M-1. Max Chenoweth. Lat. 39°43'40", long. 83°15'35". Drilled unused well in gravel, diameter 4 inches, depth 60 feet. Records available: 1946-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	.....	24.38	23.90	.....	24.53	.....	.....	25.98	26.33	26.18
2	.....	24.32	24.07	24.55	24.53	.....	.....	26.10	26.32	26.20
3	.....	24.31	24.16	24.30	24.48	.....	.....	26.16	26.26	26.27
4	.....	24.32	24.22	24.15	24.51	.....	25.75	26.14	26.36	26.30
5	.....	24.32	24.17	24.15	24.55	.....	25.75	26.20	26.43	26.36
6	.....	24.17	24.12	24.25	24.62	25.26	25.64	26.17	26.40	26.27
7	.....	24.23	24.10	24.18	24.70	25.34	25.65	26.38	.....	26.28
8	.....	24.23	24.15	24.25	24.79	25.45	25.68	26.42	.....	26.19
9	.....	23.96	24.46	24.23	24.74	25.44	25.71	26.42	.....	.....
10	.....	24.00	24.79	.....	24.69	25.44	25.77	26.26	.....	.....
11	25.76	24.05	24.55	.....	24.79	25.40	25.85	26.19	.....	.....
12	25.69	24.04	24.33	.....	24.71	25.77	.....	26.25	.....	.....
13	25.62	24.10	24.33	.....	24.79	25.74	.....	26.24	.....	.....
14	25.57	23.82	24.39	.....	24.75	25.97	.....	26.25	.....	.....
15	25.53	23.65	24.40	.....	24.75	26.14	.....	26.30	.....	.....
16	25.40	23.58	24.37	24.28	24.89	26.07	.....	.....	.....	26.18
17	25.35	23.65	24.32	24.34	24.95	25.93	.....	.....	.....	26.20
18	25.27	23.56	24.56	24.34	24.96	25.86	.....	.....	.....	26.19
19	25.37	23.59	24.56	24.40	25.01	25.64	25.76	.....	.....	26.12
20	25.35	23.74	24.36	24.43	25.11	25.63	25.76	.....	.....	26.19
21	25.31	23.65	24.32	24.50	25.08	25.72	25.83	.....	.....	26.18
22	25.14	23.54	24.25	24.50	25.03	25.71	25.85	.....	.....	26.10
23	25.10	23.52	24.27	24.40	25.06	25.85	25.84	.....	.....	26.18
24	24.97	23.61	24.26	.....	25.06	25.84	25.86	.....	.....	.....
25	24.80	23.63	24.35	.....	25.07	25.74	25.93	.....	.....	.....
26	24.73	.....	24.34	.....	25.15	25.87	25.88	.....	.....	.....
27	24.69	23.90	24.13	.....	25.12	25.94	.....	.....	.....	.....
28	24.62	23.85	24.21	.....	25.10	.....	.....	.....	.....	.....

M-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
29	24.44		.....		.....	.....	.....	.....	.....	.....
30	24.43		.....	24.36	.....	.....	.....	26.33	.....	.....
31	24.45		.....		.....	.....	.....	26.29	.....	.....

Mahoning County

Ma-1. City of Canfield. Lat. 41°00'46", long. 80°45'36". Drilled unused well in sandstone, diameter 10 inches, depth 300 feet. Highest water level 30.50, Apr. 26, 1950; lowest 110.1, May 29, 1946. 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	35.70	33.90	32.30	31.80	30.60	31.20	31.20	31.77	32.91	35.35	34.90	33.90
2	35.62	33.80	32.50	31.90	30.70	31.20	31.20	31.80	32.90	35.50	35.27	33.88
3	35.09	33.70	32.50	31.80	30.70	31.20	31.20	31.95	32.95	35.60	35.35	33.78
4	35.50	33.70	32.40	31.60	30.80	31.00	31.20	32.00	33.05	35.58	35.31	33.80
5	35.58	33.70	32.40	31.60	30.90	31.10	31.20	32.00	33.10	35.36	35.33	33.80
6	35.10	33.70	32.40	31.70	30.90	31.10	31.30	32.10	33.10	35.20	35.20	33.80
7	34.50	33.70	32.50	31.70	30.60	31.20	31.30	32.35	33.12	35.31	35.10	33.75
8	34.70	33.70	32.50	31.70	30.90	31.30	31.40	32.65	33.15	35.31	35.30	33.65
9	34.80	33.30	32.50	31.70	30.90	31.30	31.40	32.65	33.25	35.30	35.21	33.58
10	34.80	33.20	32.40	31.70	30.80	30.80	31.40	32.50	33.25	35.25	35.00	33.60
11	34.20	33.30	32.40	31.70	30.80	31.00	31.46	32.40	33.40	35.20	34.80	35.56
12	34.40	33.30	32.40	31.60	30.70	31.00	31.40	32.38	34.00	35.50	34.73	33.40
13	34.40	33.30	32.20	31.40	30.70	31.00	31.40	32.39	34.34	35.43	34.65	33.35
14	34.60	32.10	32.30	31.40	30.70	31.00	31.40	32.60	34.50	35.28	34.73	33.18
15	34.60	32.60	32.30	31.30	30.70	31.00	31.40	32.63	34.50	35.19	34.70	33.25
16	34.20	32.70	32.30	31.30	30.70	31.20	31.48	32.67	34.65	35.10	34.71	33.25
17	34.20	32.70	32.20	31.30	30.70	31.10	31.48	32.70	34.64	35.20	34.65	33.18
18	34.30	32.70	32.20	31.30	30.70	31.10	31.50	32.71	34.70	35.45	34.63	33.17
19	34.40	32.70	32.20	31.30	30.70	31.10	31.50	32.80	34.71	35.58	34.59	33.13
20	34.40	32.80	32.20	31.20	30.70	31.10	31.70	32.80	34.80	35.70	34.50	33.08
21	34.30	32.70	32.10	31.20	30.70	31.00	31.60	32.80	34.81	35.83	34.51	33.01
22	34.20	32.60	32.10	31.20	30.60	31.10	31.60	32.80	34.80	35.99	34.35	32.95
23	34.20	32.20	31.80	31.10	30.60	31.10	31.60	32.80	34.85	36.03	34.35	32.90
24	34.20	32.30	31.70	31.00	30.80	31.00	31.60	32.80	34.50	36.68	34.30	33.03
25	34.00	32.40	31.90	30.60	30.80	31.00	31.65	32.78	34.85	36.47	34.15	33.05
26	34.60	32.40	31.90	30.50	30.90	31.00	31.68	32.80	34.98	35.50	33.90	32.85
27	33.90	32.40	31.70	30.70	30.90	31.20	31.68	32.80	34.97	35.35	33.83	32.78
28	33.90	32.40	32.00	30.80	31.00	31.10	31.70	32.81	35.35	35.18	33.77	32.75
29	33.90		32.00	30.80	30.90	31.10	31.70	32.81	35.49	35.10	33.73	32.80
30	33.50		32.00	30.80	30.90	31.20	31.71	32.88	35.40	35.85	33.70	32.79
31	33.90		31.90		31.00		31.72	32.90		35.85		32.75

Ma-3. Tod Hotel. Youngstown, 7 Market St. Drilled unused well in sandstone, diameter 8 inches, depth 400 feet. Highest water level 26.21, July 20, 1950; lowest 27.9, July 2, 1948. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.39	27.06	26.91	26.57	26.16	26.39	.....	26.19	26.78	27.40	26.79	27.35
2	27.34	27.10	27.02	26.47	26.15	26.44	.....	26.20	26.87	27.21	26.74	27.35
3	27.28	27.23	27.10	26.43	26.14	26.45	.....	26.24	26.87	27.30	27.06	27.31
4	27.20	27.25	27.13	26.38	26.15	26.45	.....	26.40	26.98	27.34	27.15	27.24
5	27.35	27.26	27.12	26.38	26.17	26.49	26.89	26.52	27.13	27.39	.....	27.24
6	27.35	27.19	27.03	26.40	26.15	26.50	26.93	26.52	27.33	27.43	.....	27.24
7	27.23	27.22	27.03	26.40	26.17	26.48	26.97	26.44	27.38	27.45	27.38	27.20
8	27.24	27.27	26.98	26.36	26.22	26.40	27.01	26.42	27.37	27.44	27.38	27.13
9	27.21	27.36	27.08	26.34	26.22	26.26	27.03	26.41	27.35	27.42	27.44	27.11
10	27.15	27.40	27.09	26.32	26.20	.....	27.03	26.37	27.06	27.43	27.52	27.05
11	27.25	.....	27.08	26.27	26.18	.....	26.86	26.34	27.04	27.44	27.55	27.00
12	27.26	.....	27.03	26.25	26.18	.....	26.55	26.51	27.09	27.42	27.55	26.93
13	27.25	.....	26.99	26.24	26.18	26.24	26.43	26.49	27.06	27.46	27.54	26.92
14	27.23	27.34	26.91	26.26	26.20	26.20	26.25	26.60	27.16	27.43	.....	26.91
15	27.24	27.33	26.92	26.26	26.17	26.12	26.25	26.57	27.40	27.43	27.55	26.90
16	27.17	27.33	26.92	26.26	26.23	26.07	26.19	26.54	27.46	27.42	27.54	26.91
17	27.19	27.39	26.93	26.23	26.31	26.14	26.15	26.48	27.50	27.42	27.54	26.90

Ma-3--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
18	27.13	27.41	26.99	26.19	26.36	26.39	26.09	26.37	27.52	27.40	27.56	26.89
19	27.17	27.57	27.01	26.10	26.38	26.49	26.09	26.34	27.53	27.32	27.55	26.86
20	27.20	27.31	26.96	26.11	26.39	26.56	26.02	26.39	27.45	27.23	27.51	26.85
21	27.20	27.26	26.88	26.15	26.41	26.51	26.09	26.51	27.51	27.27	27.49	26.86
22	27.17	27.12	26.89	26.19	26.40	26.46	26.23	26.73	27.51	27.29	27.49	26.84
23	27.11	27.09	26.93	26.19	26.43	26.38	26.26	26.73	27.51	27.34	27.49	26.82
24	27.09	27.10	26.95	26.19	26.45	26.22	26.31	26.70	27.53	27.37	27.48	26.79
25	27.10	27.09	26.99	26.19	26.48	26.06	26.20	26.59	27.53	27.38	27.45	26.77
26	27.16	27.07	26.99	26.13	26.44	26.16	26.22	26.60	27.51	27.40	27.29	26.81
27	27.19	27.02	26.85	26.15	26.50	26.17	26.23	26.59	27.50	27.41	27.32	26.83
28	27.19	26.98	26.71	26.19	26.25	.....	26.23	26.63	27.55	27.39	27.33	26.84
29	27.10		26.67	26.20	26.30	.....	26.21	26.62	27.56	27.32	27.34	26.81
30	27.06		26.68	26.20	26.38	.....	26.17	26.68	27.55	27.04	27.33	26.81
31	27.06		26.65		26.44		26.21	26.74		26.90		26.82

Marion County

Mn-1. Village of La Rue. Lat. 40°34'50", long. 83°23'00". Drilled unused well in gravel, diameter 4 inches, depth 100 feet. Highest water level 5.70, June 3, 1947; lowest 14.55, Aug. 10, 1950. 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	....	7.70	8.24	8.07	8.04	9.62	9.89	11.70	11.15	11.85	10.66	7.99
2	9.99	7.91	8.45	8.15	7.66	9.71	9.87	13.40	11.10	11.66	10.68	9.67
3	9.85	8.19	8.57	8.32	7.76	9.60	9.93	13.32	11.14	11.52	10.41	8.97
4	9.36	8.40	8.61	8.16	7.88	9.26	9.88	13.75	11.04	11.40	10.84	7.75
5	8.10	8.38	8.64	7.76	8.32	8.54	9.94	13.81	11.18	11.26	10.72	7.54
6	7.65	8.49	8.85	6.29	8.52	8.77	10.26	13.89	11.26	11.42	10.76	7.87
7	7.44	8.61	8.80	7.35	8.64	9.00	10.15	14.06	11.51	11.50	10.95	7.29
8	7.40	8.57	8.78	7.44	8.83	9.20	11.10	14.36	11.58	11.25	10.77	7.05
9	7.66	8.26	9.12	.....	.....	9.28	10.51	14.36	11.74	11.12	10.68	7.24
10	7.42	7.15	8.98	.....	.....	9.21	10.86	14.55	11.70	10.71	10.60	7.54
11	6.90	7.22	8.84	7.46	....	9.17	12.23	14.47	11.50	10.16	10.37	7.74
12	6.96	7.40	8.78	7.35	9.07	9.40	13.13	12.29	11.42	9.50	10.24	8.49
13	7.08	7.43	8.40	7.70	9.09	9.31	13.37	11.80	11.72	9.70	10.68	8.54
14	7.09	6.70	8.56	7.85	9.09	9.42	14.05	11.68	11.42	9.81	10.52	8.62
15	7.05	5.78	8.53	7.95	9.25	9.55	13.53	11.51	11.41	9.84	10.95	8.40
16	6.70	6.11	8.47	8.01	9.31	9.46	11.73	11.22	11.40	9.95	.....	8.80
17	6.41	6.45	8.50	8.20	9.94	9.59	12.70	11.56	11.32	10.60	10.25	9.42
18	6.76	6.65	8.35	8.40	9.37	9.55	13.01	11.63	11.38	10.57	10.90	9.20
19	7.07	6.85	8.22	8.43	9.48	9.50	13.31	11.15	11.43	10.54	10.15	8.95
20	7.47	7.27	8.41	8.54	9.48	9.61	12.88	11.20	11.24	10.63	9.12	9.20
21	7.63	7.45	8.31	8.60	9.44	9.70	12.61	11.62	10.99	10.54	8.58	9.57
22	7.75	7.40	8.14	8.64	9.53	9.72	12.30	11.36	11.25	10.53	8.80	9.67
23	8.06	7.23	7.88	8.57	9.53	9.72	11.45	11.65	11.23	10.65	8.98	9.53
24	8.00	7.45	7.91	8.32	10.21	9.88	12.33	11.83	11.30	10.73	8.92	9.38
25	6.98	7.65	8.02	8.13	9.39	9.73	12.38	11.83	11.43	11.06	8.92	9.55
26	6.80	7.79	8.00	8.25	9.57	9.80	12.38	11.64	11.40	11.22	8.93	9.90
27	6.55	8.06	7.91	8.41	9.57	9.83	12.54	11.19	11.58	10.77	9.38	9.78
28	6.55	8.08	7.80	8.60	9.49	9.79	11.77	11.32	11.53	10.63	9.58	9.55
29	6.80		7.60	8.61	9.61	9.78	11.36	11.33	11.68	10.86	9.35	9.45
30	....		7.91	8.51	9.54	9.83	11.20	11.08	11.85	10.83	10.48	9.70
31	7.48		8.06		9.53		11.67	11.59		10.30		9.97

Medina County

Md-1. City of Lodi. Lat. 41°01'46", long. 82°01'06". Drilled unused well in gravel, diameter 6 inches, depth 65 feet. Highest water level 11.8, Dec. 20, 1946; lowest 20.80, Sept. 30, 1950. 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	17.03	14.89	14.85	14.98	18.66	18.40	.....	18.56	.....	.....	25.35	.....
2	16.60	15.00	15.00	14.87	14.90	18.40	.....	.....	26.80	.....	25.20	17.64
3	16.80	15.00	17.00	14.82	21.26	18.40	.....	.....	25.00	.....	25.05	16.68

Md-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	16.32	15.18	20.63	14.15	15.73	.....	.....	.....	25.43	.....	24.80	.....
5	16.36	15.21	15.09	14.81	15.66	.....	.....	24.50	25.30	.....	24.16	19.43
6	16.18	15.06	16.95	14.85	15.66	.....	.....	.....	.....	.....	24.60	.....
7	16.13	15.30	15.12	18.47	15.25	.....	.....	25.12	25.10	.....	24.76	18.80
8	16.13	15.31	15.09	19.60	21.10	.....	.....	25.25	24.49	.....	23.74	17.05
9	15.85	15.14	16.95	14.84	21.92	.....	.....	24.49	25.30	.....	15.97	18.78
10	15.86	14.97	15.12	17.35	21.75	.....	.....	25.22	.....	.....	.....	16.90
11	15.77	15.13	15.24	19.82	22.30	.....	.....	25.26	25.50	.....	.....	18.58
12	15.73	15.03	15.14	18.07	22.18	.....	.....	25.54	24.55	.....	23.90	18.15
13	15.60	14.85	15.07	17.17	22.68	.....	.....	25.56	25.70	.....	24.15	15.06
14	15.48	14.67	16.93	16.92	16.60	.....	.....	25.48	.....	.....	23.57	.....
15	15.48	14.69	16.93	19.47	22.66	.....	20.38	25.50	25.90	.....	23.78	18.32
16	15.10	14.71	15.27	15.02	21.60	.....	20.40	25.28	24.85	.....	23.29	18.50
17	15.11	14.55	15.19	14.93	21.06	.....	20.42	23.12	25.20	.....	17.92	.....
18	19.71	14.74	15.27	21.51	20.24	.....	20.05	25.29	25.80	.....	23.35	.....
19	15.10	14.86	15.29	18.94	20.28	.....	20.30	22.55	25.40	.....	21.94	.....
20	15.15	14.64	15.10	21.44	20.55	.....	20.20	.....	25.20	.....	21.73	.....
21	15.14	14.74	15.20	21.91	20.32	.....	19.40	.....	24.90	24.38	.....	.....
22	15.19	14.65	15.00	23.32	24.40	.....	22.60	.....	.....	25.20	.....	.....
23	15.09	13.75	15.04	15.10	22.50	.....	21.08	.....	.....	25.00	21.22	19.90
24	16.91	14.78	14.95	19.67	22.67	.....	20.46	.....	26.00	.....	20.73	16.10
25	14.93	14.82	14.95	21.60	.....	.....	20.52	.....	.....	25.65	16.24	14.57
26	14.95	14.72	15.00	22.18	.....	.....	22.10	25.50	.....	25.60	20.60	14.50
27	14.85	21.16	14.75	21.93	16.66	.....	21.14	24.95	.....	.....	.....	.....
28	14.90	15.00	14.76	19.42	23.50	.....	20.22	25.23	.....	.....	.....	19.21
29	14.90	.....	14.88	21.80	23.30	.....	19.80	.....	.....	25.44	.....	19.30
30	14.80	.....	14.93	20.80	17.75	.....	19.20	.....	20.80	25.73	.....	16.18
31	14.93	.....	14.86	.....	23.15	.....	18.74	.....	.....	25.25	.....	.....

Mercer County

Mr-1. S. O. Self. Lat. 40°39'36", long. 84°38'56". Drilled unused well in limestone, diameter 4 inches, depth 130 feet. Highest water level 8.70, Apr. 24, 1950. Records available: 1936-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Dec.
1	9.28	8.78	8.81	8.77	9.16	9.62	9.86	10.00	10.34	.....
2	9.35	.....	8.83	8.76	9.15	9.56	9.87	10.08	10.36	.....
3	9.35	.....	8.76	8.72	9.07	9.58	9.94	10.04	10.32	.....
4	9.31	.....	8.77	8.75	9.10	9.58	9.95	10.11	10.33	.....
5	8.91	8.69	9.16	9.61	9.99	10.16	10.40	.....
6	8.93	8.81	9.25	9.64	9.99	10.11	10.38	.....
7	8.86	8.89	9.33	9.67	10.03	10.14	10.32	.....
8	9.08	8.79	8.93	8.90	9.29	9.72	10.03	10.09	10.34	.....
9	9.11	8.93	8.91	8.84	9.30	9.73	10.02	10.10	10.22	.....
10	9.07	8.96	8.79	8.86	9.20	9.75	10.04	10.09	10.10	.....
11	9.16	8.79	8.81	8.89	9.27	9.78	10.08	.....	10.10	.....
12	9.16	8.82	8.81	8.83	9.27	9.77	10.15	.....	10.17	.....
13	9.08	8.82	8.84	8.81	9.23	9.71	10.12	10.12	10.19	.....
14	8.92	8.82	8.91	8.81	9.27	9.78	10.12	10.12	10.20	.....
15	8.95	8.81	8.87	8.82	9.29	9.79	10.16	10.14	10.25	.....
16	8.99	8.81	8.86	8.85	9.22	9.79	10.13	10.18	10.25	.....
17	9.03	8.79	8.79	8.86	9.36	9.81	10.15	10.28	10.25	.....
18	9.03	.....	8.81	8.91	9.31	9.81	10.13	10.25	10.36	.....
19	9.00	.....	8.82	8.90	9.23	9.78	10.00	.....	10.27	.....
20	9.08	.....	8.78	8.94	9.30	9.74	10.06	10.20	10.24	.....
21	9.45	8.93	8.79	8.80	8.94	9.37	9.86	10.03	10.20	10.20	.....
22	9.39	8.78	8.73	8.80	8.93	9.34	9.81	10.06	.....	10.19	9.49
23	9.37	8.86	8.85	8.72	8.99	9.42	9.83	10.10	.....	10.22	9.48
24	9.27	8.91	8.78	8.70	9.00	9.40	9.88	10.17	.....	10.23	9.39
25	9.33	8.92	8.85	8.70	9.02	9.50	9.88	10.18	.....	10.26	9.49
26	8.93	8.82	8.78	9.10	9.41	9.87	10.18	.....	10.26	9.54
27	8.94	8.62	8.80	9.08	9.49	9.86	10.12	10.30	10.27	9.54
28	8.82	8.75	8.83	9.08	9.50	9.86	10.10	10.31	10.19	.....
29	8.85	8.85	9.09	9.49	9.87	10.05	10.32	10.25	.....
30	8.76	9.07	9.52	9.87	10.05	10.35	.....	.....
31	9.09	.....	9.88	10.02	.....	.....	.....

Miami County

Mi-1. Troy Sunshade Co. Drilled unused well in gravel, diameter 8 inches, depth 49 feet. Highest water level 7.42, Jan. 29, 1950; lowest 14.9, Nov. 22, 1946. 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	.....	8.27	8.91	9.48	9.46	10.67	11.13	10.20	10.93	9.90	10.35	10.07
2	12.26	8.33	8.82	9.33	9.67	10.77	10.36	10.26	10.88	10.27	10.46	10.07
3	12.65	8.43	8.29	9.56	10.01	10.39	10.78	10.41	10.28	10.52	10.55	9.28
4	12.45	8.25	8.26	9.56	9.90	10.02	10.80	10.40	10.60	10.72	10.13	8.47
5	12.22	7.95	8.22	9.44	9.60	10.35	10.57	10.31	10.87	10.85	9.85	8.70
6	11.85	8.30	8.19	9.43	9.35	10.60	10.82	10.22	11.06	10.97	10.32	8.83
7	11.54	8.60	8.23	9.43	9.30	10.75	10.98	10.88	11.06	10.98	10.65	8.87
8	10.79	8.70	8.80	9.48	9.62	10.85	10.98	11.17	11.17	10.28	10.65	8.58
9	10.80	8.80	9.10	9.98	9.90	10.95	10.65	11.32	11.18	10.09	10.45	8.58
10	10.45	8.85	9.50	9.07	9.97	10.58	10.95	11.40	10.40	10.15	10.17	7.97
11	10.10	8.70	8.88	9.36	10.12	10.14	11.30	11.60	10.85	10.23	10.01	8.35
12	9.96	8.36	8.72	9.46	10.15	10.50	11.45	11.62	11.08	10.41	9.75	8.65
13	9.85	8.33	9.04	9.55	9.90	10.70	11.52	10.96	11.13	10.52	10.06	8.91
14	9.54	7.95	9.26	9.69	9.50	10.83	11.53	11.45	11.28	10.49	10.28	9.06
15	9.06	7.76	9.44	9.40	9.80	10.95	11.52	11.63	11.40	9.79	10.01	9.20
16	8.06	7.95	9.52	9.25	10.11	10.58	10.84	11.62	11.40	10.10	9.97	9.20
17	8.00	8.15	9.55	9.40	10.23	10.21	11.00	11.78	10.85	10.33	9.96	8.47
18	8.12	8.25	9.25	9.60	10.37	9.76	11.00	11.80	11.12	10.42	10.27	8.99
19	8.20	7.56	9.12	9.74	10.45	10.16	11.11	11.61	11.38	10.57	9.70	9.30
20	8.30	8.06	9.30	9.84	10.50	10.45	11.25	10.73	11.53	10.65	9.47	9.52
21	8.06	8.27	9.40	9.94	9.85	10.58	11.32	11.04	11.55	10.29	.....	9.69
22	7.68	8.35	9.55	9.76	9.77	10.70	11.00	11.29	11.43	9.92	9.21	9.81
23	8.10	8.50	9.60	9.35	10.19	10.72	10.61	11.43	10.10	10.00	9.02	9.82
24	8.00	8.66	9.65	9.45	10.40	10.40	10.30	11.58	9.35	10.17	9.66	9.07
25	8.04	8.90	9.31	9.70	10.55	9.95	10.30	11.63	9.73	10.22	8.91	8.80
26	7.90	8.24	9.11	9.85	10.67	10.32	10.35	11.62	10.05	10.37	8.63	9.40
27	7.88	8.48	9.30	10.00	10.40	10.70	10.37	10.88	10.23	11.38	9.02	9.65
28	7.66	8.73	.....	10.05	10.00	10.87	10.35	11.13	10.40	10.28	9.43	9.80
29	7.42	.....	.....	9.75	10.38	11.00	10.29	11.10	10.51	10.00	9.68	10.02
30	7.81	.....	.....	9.45	10.03	11.12	10.21	11.13	10.51	9.68	9.92	10.04
31	8.06	.....	9.87	.....	10.41	.....	10.10	11.05	.....	.....	.....	9.35

Montgomery County

Mt-2. Dayton Power and Light Co. 118 Fourth St., Dayton. Drilled unused well in gravel, diameter 8 inches, depth 57 feet. Highest water level 17.6, July 17, 1942; lowest 35.50, Sept. 29, 1950. Records available: 1942-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.34	24.84	23.45	24.63	25.45	28.79	31.08	32.89	35.28	33.07	31.85	29.08
2	31.13	24.93	23.62	24.62	25.52	29.00	31.03	33.03	35.30	32.81	31.93	29.02
3	30.96	25.00	23.74	24.54	25.60	29.05	30.87	33.18	35.18	32.73	32.00	28.96
4	30.97	25.00	23.75	24.72	25.77	29.02	30.82	33.31	34.81	32.58	31.98	28.72
5	30.94	24.86	23.67	24.72	25.98	28.98	30.63	33.38	34.48	32.42	31.88	28.57
6	30.70	24.78	23.50	24.69	26.13	29.13	30.56	33.37	34.50	32.34	31.68	28.39
7	30.41	24.94	23.59	24.60	27.13	29.28	30.56	33.33	34.51	32.29	31.72	28.17
8	29.97	25.00	23.84	24.57	27.10	29.40	30.52	33.50	34.59	32.81	31.71	28.01
9	29.42	25.13	24.02	24.42	27.29	29.60	31.45	33.65	34.58	31.97	31.79	27.80
10	29.05	25.13	24.12	24.20	27.44	29.69	30.48	33.78	34.48	31.93	31.82	27.55
11	28.88	25.13	24.12	25.33	26.54	29.68	30.71	33.95	34.39	31.87	31.81	27.17
12	28.63	24.92	24.04	24.39	26.61	29.63	30.96	34.06	34.53	.....	31.66	27.04
13	28.36	24.63	23.94	24.50	26.69	29.81	31.18	34.06	34.62	.....	31.37	25.05
14	28.13	24.56	23.96	24.58	26.69	30.03	31.33	34.00	34.65	.....	31.38	27.08
15	27.90	24.50	24.03	24.58	26.75	30.22	31.44	34.18	34.64	.....	31.41	27.12
16	27.47	24.28	24.18	24.50	27.00	30.41	31.43	34.24	34.63	31.57	31.46	27.12
17	27.23	23.97	24.27	24.45	27.23	30.45	31.54	34.50	34.49	31.62	31.48	26.92
18	26.91	23.92	24.30	24.63	27.45	30.42	31.73	34.60	34.22	31.69	31.48	26.78
19	26.71	23.54	24.29	24.81	27.61	30.26	31.87	34.70	34.37	31.78	31.32	26.87
20	26.48	23.18	24.14	24.98	27.72	30.41	.....	34.68	34.45	31.84	31.15	27.00
21	26.44	23.08	24.26	25.12	27.72	30.47	32.16	34.50	34.50	31.86	31.12	27.07
22	26.22	23.17	24.26	25.13	27.70	30.74	32.20	34.58	34.50	31.84	30.92	27.14
23	25.96	23.23	24.38	25.10	27.93	30.90	32.17	34.68	34.44	31.62	30.72	27.14

Mt 2--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
24	25.95	23.37	24.46	25.09	28.10	30.98	32.10	34.75	34.21	31.65	30.37	26.97
25	25.95	23.37	24.47	25.32	28.31	30.47	32.28	34.78	.....	31.70	.....	26.80
26	25.92	23.20	24.34	25.45	28.57	30.87	32.33	34.88	.....	31.75	.....	26.79
27	25.91	23.12	24.22	25.58	28.63	30.97	32.60	34.87	.....	31.78	.....	26.88
28	25.68	23.26	24.42	25.67	28.61	31.02	32.75	34.81	.....	31.82	.....	26.98
29	25.29		24.53	25.67	28.54	31.07	32.80	34.95	35.50	31.79	.....	27.07
30	24.84		24.60	25.60	28.52	31.08	32.49	35.06	33.14	31.74	.....	27.08
31	24.84		24.63		28.53		32.72	35.17	.....	.....	.....	27.04

Mt-3. State of Ohio. State Highway Dept. Stewart St., Patterson Blvd. and Miami River. Drilled unused well in gravel, diameter 6 inches, depth 50 feet. Highest water level 35.3, Aug. 17, 1947; lowest 47.1, Dec. 24, 1949. 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	.....	41.97	.....	41.41	41.53	44.26	.....	43.41	45.40	45.55	46.20	44.40
2	.....	42.24	41.07	40.03	41.93	44.52	.....	42.98	44.45	45.55	46.25	44.40
3	.....	42.48	41.03	39.57	42.30	44.52	.....	42.68	44.45	45.57	46.28	44.42
4	45.55	42.35	40.85	40.45	42.67	43.50	.....	42.43	44.45	45.60	46.30	43.90
5	44.50	41.36	39.32	40.15	43.02	43.46	44.25	42.23	44.98	45.65	46.31	43.08
6	43.85	41.83	40.60	39.44	43.01	43.87	44.47	42.09	44.98	45.68	46.32	42.85
7	43.53	42.45	41.20	39.35	42.04	44.12	44.55	41.85	45.05	44.71	46.35	42.97
8	41.90	42.65	41.55	39.12	41.80	44.41	44.55	41.78	45.15	45.73	46.43	42.73
9	42.45	42.95	41.73	37.75	42.48	44.59	44.08	41.80	45.28	45.75	46.45	42.40
10	43.07	42.86	41.96	38.80	43.00	44.57	44.00	41.83	45.25	45.76	46.48	41.68
11	42.87	42.62	41.96	43.32	43.20	44.35	44.48	41.50	44.28	45.74	46.50	42.25
12	42.58	41.33	40.70	39.52	43.40	44.03	44.59	43.81	44.32	45.74	46.50	42.85
13	42.92	41.37	40.86	39.62	43.27	44.40	44.60	44.12	45.45	45.72	46.25	43.35
14	42.93	41.31	41.12	39.57	42.20	44.57	44.62	43.86	45.54	45.74	46.15	43.66
15	41.78	40.55	41.31	39.15	42.42	44.60	44.63	44.53	45.64	45.74	46.20	43.93
16	41.74	39.43	41.55	37.67	43.08	44.60	44.63	44.61	45.71	45.76	46.23	43.90
17	41.17	39.35	41.79	38.85	43.32	44.60	44.57	44.63	45.72	45.79	46.28	42.85
18	41.30	38.95	41.79	39.62	43.70	44.01	44.59	44.65	45.75	45.82	46.29	43.30
19	41.65	37.70	40.42	40.63	43.92	44.03	44.64	44.67	45.78	.....	46.24	43.63
20	41.98	39.09	41.04	41.02	43.92	44.40	44.66	44.68	45.88	.....	46.24	43.80
21	41.97	39.59	41.45	41.28	43.00	44.55	44.68	44.70	45.90	.....	45.85	44.15
22	41.15	39.59	41.61	41.29	43.35	44.55	44.70	44.71	45.90	.....	45.85	44.35
23	41.45	40.15	41.77	40.37	43.80	.....	44.69	44.75	45.90	.....	44.43	44.35
24	43.05	40.35	41.90	40.82	44.10	.....	44.59	44.81	45.90	.....	44.43	44.25
25	43.16	40.07	41.87	41.42	44.41	.....	44.60	44.95	45.45	46.00	44.30	42.35
26	43.10	38.85	40.10	41.85	44.58	.....	44.62	45.03	45.45	46.03	43.82	42.88
27	42.80	39.95	40.72	42.30	44.58	.....	44.64	45.06	45.45	46.06	43.75	43.33
28	42.12	40.46	41.11	42.50	43.80	.....	44.65	45.08	45.48	46.10	43.18	43.40
29	40.50		41.57	42.50	43.82	.....	44.66	45.13	45.50	46.12	43.95	43.30
30	41.05		41.61	41.25	43.83	.....	44.66	45.25	45.53	46.14	44.38	42.73
31	41.55		41.55		43.85		44.14	45.32		46.15		42.20

Mt-5. Kuhn Bros. Foundry Co. 1800 McCall St., Dayton. Drilled unused well in gravel, diameter 6 inches, depth 156 feet. Highest water level 35.0, June 18, 1947; lowest 44.8, Oct. 25, 1949. 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	42.78	38.95	36.04	36.23	36.17	37.26	38.66	39.77	40.84	41.33	41.31	41.07
2	47.77	38.81	36.02	36.24	36.18	37.29	38.70	39.73	40.87	41.33	41.33	40.99
3	42.79	38.69	35.99	36.24	36.21	37.33	38.75	39.75	40.88	41.44	41.33	40.98
4	42.75	38.58	35.47	36.24	36.24	37.35	38.77	.....	40.96	41.45	.....	40.88
5	42.67	38.46	35.92	36.21	36.26	37.42	39.79	.....	40.98	41.44	.....	40.78
6	42.56	38.34	35.93	36.18	36.30	37.47	38.78	.....	40.99	41.44	41.39	40.68
7	42.46	38.30	35.90	36.15	36.35	37.52	38.81	.....	41.01	41.45	41.39	40.52
8	42.32	38.20	35.93	36.10	36.36	37.59	38.83	.....	41.03	41.44	41.42	40.45
9	42.19	38.12	35.97	36.08	36.37	37.67	38.85	.....	41.06	41.44	41.46	40.35
10	42.10	38.03	35.98	36.02	35.42	37.67	38.88	.....	41.10	41.40	41.45	40.25
11	42.01	37.96	35.94	36.00	.....	37.72	38.92	.....	41.10	41.39	41.45	40.15
12	41.87	37.91	35.96	35.97	36.44	37.77	38.94	.....	41.13	41.38	41.46	40.05
13	41.76	37.82	36.00	35.96	36.47	37.82	38.98	.....	41.16	41.37	41.49	39.97
14	41.66	37.70	36.00	35.97	36.49	37.87	39.01	40.16	41.19	41.36	41.49	39.91
15	41.55	37.55	36.02	35.96	36.54	37.95	39.05	40.20	41.22	41.34	41.50	39.82

Mt-5--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	41.40	37.36	36.03	35.94	36.59	38.01	39.08	40.23	41.25	41.33	41.53	39.76
17	41.73	37.21	36.03	35.92	36.63	38.02	39.13	40.29	41.28	41.34	41.54	39.69
18	41.02	37.08	36.09	35.92	36.67	38.05	39.17	40.32	41.32	41.33	41.54	39.60
19	40.92	36.93	36.10	35.97	37.70	38.10	39.21	40.36	41.34	41.30	41.65	39.54
20	40.78	36.82	36.09	35.95	.....	38.15	39.26	40.40	41.37	41.29	41.53	39.48
21	40.62	36.70	36.09	35.99	.....	38.21	39.31	40.52	41.38	41.27	41.42	39.41
22	40.46	36.56	36.10	35.99	36.78	38.25	39.34	40.52	41.36	41.25	41.36	39.37
23	40.33	36.47	36.12	36.00	36.82	38.30	39.38	40.56	41.32	41.27	41.33	39.33
24	40.19	.....	36.14	36.01	36.86	38.35	39.43	40.59	41.32	41.26	41.33	39.27
25	40.05	.....	36.17	36.04	36.91	38.37	39.43	40.64	41.33	41.26	41.28	39.26
26	39.88	.....	36.15	36.06	36.95	38.41	39.52	40.69	41.33	41.27	41.22	39.24
27	39.76	36.16	36.13	36.09	37.00	38.47	39.57	40.71	41.31	41.26	41.20	39.25
28	39.57	36.10	36.18	36.12	37.03	38.51	39.62	40.75	41.32	41.27	.....	39.22
29	39.38		36.23	36.13	37.07	38.58	39.67	40.76	41.33	41.27	41.10	39.19
30	39.26		36.25	36.14	.....	36.62	39.70	40.78	41.33	41.29	41.01	39.19
31	39.07		36.25		37.22		39.76	40.81		41.29		39.19

Mt-6. City of Dayton. 3d and Ludlow Sts., Dayton. Drilled unused well in gravel, diameter 8 inches, depth 60 feet. Highest water level 23.9, Feb. 20, 1950; lowest 38.7, Sept. 1, 1950. 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	32.13	25.43	.....	26.22	37.03	32.63	.....	36.92	38.70	34.07	33.50	29.91
2	31.97	25.66	25.18	26.14	26.98	32.80	.....	37.00	38.56	34.38	33.30	30.03
3	32.09	25.81	25.32	26.32	27.10	33.00	.....	37.02	37.05	35.45	33.11	29.98
4	31.92	25.91	25.46	26.47	27.79	31.40	.....	37.00	36.71	33.90	33.02	29.55
5	31.52	25.88	25.40	26.31	29.70	32.70	34.31	37.14	36.98	33.48	32.87	29.08
6	30.79	26.08	25.48	25.86	28.54	32.90	34.40	35.93	36.17	33.41	32.80	28.50
7	30.12	26.14	25.51	25.62	28.09	33.20	34.40	37.02	36.05	33.44	32.80	28.02
8	29.35	26.22	25.94	25.74	27.90	33.30	34.35	37.25	36.10	33.34	32.86	27.84
9	28.76	26.31	25.73	25.61	28.28	33.50	33.10	37.40	36.14	33.10	32.79	27.55
10	28.45	26.16	26.05	25.70	28.25	33.70	34.02	37.52	36.15	33.03	32.78	27.35
11	28.29	25.98	25.99	25.82	28.28	32.20	34.38	37.61	36.59	32.71	32.60	27.32
12	27.83	25.85	25.82	25.77	28.32	33.30	34.75	37.63	37.54	32.41	32.45	27.40
13	27.58	25.65	25.73	25.89	28.39	33.70	35.00	36.41	37.76	32.22	32.21	27.55
14	27.45	25.49	25.69	25.99	28.30	33.80	35.15	37.57	37.70	32.20	32.21	27.72
15	27.27	25.09	25.66	26.08	30.15	34.13	35.25	37.78	37.25	32.12	32.33	27.84
16	26.49	24.59	25.99	26.04	30.62	34.36	34.02	37.95	36.34	32.14	32.43	27.92
17	26.61	24.29	25.90	26.21	30.95	34.10	35.36	38.08	36.05	32.58	32.48	27.85
18	26.03	24.07	26.15	26.42	31.23	32.70	35.66	38.17	37.10	32.73	32.50	27.87
19	26.05	23.92	26.00	26.59	31.32	32.45	35.71	38.20	37.45	32.91	32.36	27.96
20	26.11	23.85	25.93	26.73	30.93	33.98	35.82	37.00	37.20	33.03	32.21	28.12
21	26.18	24.04	25.90	26.87	29.55	34.12	35.82	37.60	37.42	32.68	32.08	28.21
22	26.18	24.18	25.99	27.03	31.20	34.38	35.90	37.43	36.06	32.57	31.52	28.33
23	26.34	24.22	25.75	26.96	31.47	.....	34.58	37.59	35.65	32.51	30.92	28.34
24	26.50	24.46	25.85	27.11	31.20	.....	35.78	37.80	35.13	32.52	30.50	28.25
25	26.35	24.47	25.94	27.20	32.10	.....	36.00	38.03	34.25	32.57	30.18	28.19
26	26.14	24.45	25.86	27.21	32.50	.....	36.13	38.24	33.84	32.60	29.90	28.24
27	25.96	24.62	25.97	27.31	32.80	.....	36.21	37.07	33.83	32.66	29.81	28.30
28	25.52	24.76	25.99	27.31	31.40	.....	36.42	38.14	34.10	32.80	29.70	28.37
29	25.18		26.08	27.35	32.60	.....	36.58	38.37	34.27	32.72	29.70	28.50
30	25.08		25.81	27.20	31.30	.....	35.38	38.46	34.42	33.12	29.82	28.58
31	25.27		26.09		32.30		36.14	38.57		33.33		28.53

Mt-10. West Carrollton Parchment Co. Corner Elm and Central Sts.

Drilled unused well in gravel, diameter 10 inches, depth 120 feet.

Highest water level 17.5, Apr. 17, 1948; lowest 28.0, Nov. 5, 1948. Records available: 1945, 1948-50.

Daily lowest water level from recorder graph

Day	Feb.	Mar.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.17	.....	22.46	23.30	24.30	25.57	25.07	26.14	24.80
2	19.42	.....	22.67	23.16	24.40	25.51	25.52	26.18	24.90
3	22.60	22.60	24.60	24.95	25.87	26.30	24.90
4	22.50	22.26	24.70	24.32	25.90	26.26	23.95
5	22.28	.....	24.73	24.99	25.98	25.51	23.70

Mt-10--Continued.

Daily lowest water level from recorder graph

Day	Feb.	Mar.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	.....	.....	22.71	.....	24.71	25.39	26.13	26.20	23.25
7	.....	.....	.....	23.15	.....	24.46	25.60	25.98	26.25	22.95
8	.....	.....	.....	23.36	.....	24.62	25.71	25.67	26.45	22.65
9	.....	.....	.....	23.36	.....	24.70	25.74	25.93	26.42	22.50
10	.....	.....	.....	23.38	23.01	24.79	25.22	25.82	26.45	21.50
11	.....	.....	.....	23.29	23.26	24.81	25.31	25.81	26.25	22.20
12	.....	.....	.....	23.18	23.42	24.80	25.69	25.82	26.18	22.33
13	.....	.....	.....	25.50	23.57	24.25	25.80	25.73	26.22	22.50
14	.....	.....	.....	23.63	23.67	24.74	25.90	25.78	26.30	22.70
15	.....	.....	.....	23.57	23.78	24.99	26.01	25.59	26.49	22.80
16	.....	.....	.....	23.52	23.60	25.11	25.90	25.02	26.50	22.95
17	.....	.....	.....	23.52	23.48	25.28	25.39	25.17	26.56	22.90
18	.....	.....	.....	23.39	23.62	25.31	25.71	25.26	26.57	22.85
19	.....	.....	.....	23.38	23.72	21.20	25.98	25.31	25.76	22.70
20	.....	.....	.....	23.60	23.87	24.61	26.08	25.42	25.95	23.00
21	.....	.....	.....	23.52	23.91	24.95	26.05	25.31	25.85	23.15
22	.....	.....	22.21	23.53	23.99	25.26	25.89	24.88	25.50	23.10
23	18.60	.....	22.62	23.51	23.83	25.45	25.60	25.60	25.25	23.10
24	18.78	.....	22.71	23.77	23.66	25.62	24.90	25.73	24.80	22.45
25	18.58	.....	22.78	23.53	23.87	25.70	25.23	25.97	24.95	21.89
26	18.00	.....	22.80	23.40	23.93	25.49	25.32	26.01	24.15	22.55
27	18.46	.....	22.60	23.57	24.10	24.99	25.41	26.11	23.58	23.00
28	18.90	.....	22.18	23.60	24.20	25.11	25.50	26.18	24.25	23.20
29	.....	.....	21.98	23.70	24.40	25.39	25.59	26.05	24.60	23.50
30	.....	.....	21.68	23.66	24.27	25.50	25.60	25.90	24.80	23.60
31	.....	.....	21.96	.....	24.21	25.47	.....	26.07	.....	23.55

Mt-36. U. S. Air Force, Wright Field, Dayton. lat. 39°47'24", long. 84°06'12".

Drilled unused well in gravel, diameter 16 inches, depth 60 feet. Highest water level 12.1, June 4, 1947. Records available: 1946-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	20.44	16.60	17.21	18.73	17.62	17.04	.....	.....	19.05	.....
2	20.48	.....	17.68	18.67	18.12	17.75	.....	18.45	.....	.....
3	20.43	17.40	17.51	18.67	18.14	17.67	.....	.....	.....	.....
4	19.96	17.68	17.09	18.86	18.20	18.08	.....	.....	.....	.....
5	18.03	17.50	17.02	18.25	18.32	17.70	.....	.....	.....	.....
6	17.20	17.47	16.97	16.75	18.47	17.62	.....	.....	.....	20.00
7	15.75	17.17	17.00	16.40	18.47	17.90	.....	.....	.....	.....
8	15.18	16.95	17.55	16.38	18.50	18.19	.....	.....	19.25	.....
9	16.56	17.01	17.98	16.58	18.53	18.32	.....	.....	.....	.....
10	16.58	16.60	18.25	16.92	18.70	18.38	.....	.....	.....	.....
11	15.70	16.82	17.75	17.01	19.00	18.32	.....	.....	.....	.....
12	14.83	17.00	17.66	17.15	19.10	18.24	.....	.....	.....	.....
13	15.77	17.18	17.63	17.19	18.71	18.10	.....	.....	.....	20.60
14	.....	16.02	17.68	17.32	18.32	18.33	.....	17.90	.....	20.50
15	.....	14.05	17.84	17.16	17.85	18.35	.....	.....	19.50	.....
16	.....	14.12	18.36	17.21	17.40	18.37	.....	.....	.....	.....
17	.....	14.77	18.01	17.20	17.61	18.86	.....	.....	.....	.....
18	.....	14.77	18.13	17.70	17.61	18.97	.....	18.53	.....	.....
19	.....	15.28	18.20	17.87	17.78	19.10	.....	.....	.....	.....
20	15.70	15.68	18.20	17.77	17.56	19.16	.....	.....	.....	20.27
21	15.75	16.02	18.56	17.81	17.50	19.01	.....	.....	.....	.....
22	16.17	16.27	18.32	17.65	17.67	19.10	.....	.....	.....	.....
23	16.45	15.64	.....	17.55	17.57	18.36	.....	.....	.....	.....
24	16.68	15.34	18.44	17.60	17.30	17.84	18.25	.....	.....	.....
25	15.70	16.00	18.60	17.60	17.41	17.82	.....	18.80	.....	.....
26	15.32	16.32	18.67	.....	17.62	17.73	.....	.....	19.70	.....
27	14.72	16.98	.....	.....	17.78	18.57	.....	.....	.....	.....
28	14.43	17.02	.....	17.65	17.83	18.82	.....	.....	.....	.....
29	15.64	.....	.....	17.90	16.94	18.72	.....	.....	.....	.....
30	15.68	.....	.....	17.78	16.93	18.20	.....	.....	.....	.....
31	16.31	.....	18.83	.....	16.64	.....	.....	.....	.....	.....

Mt-49. E. F. Stenger. Lat. 39°40'20", long. 84°16'30". Drilled unused well in gravel, diameter 6 inches, depth 212 feet. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.84	12.79	.....	13.07	13.29	14.14	14.92	15.66	16.54	16.53	16.63	15.58
2	17.80	12.90	.....	13.09	13.21	14.18	14.95	15.71	16.55	16.57	16.77	15.59
3	17.75	12.95	12.00	13.10	13.27	14.18	14.94	15.74	16.51	16.60	16.78	13.00
4	17.50	12.98	12.03	13.09	13.32	14.18	14.91	15.79	.....	16.59	16.78	14.52
5	16.75	12.99	12.08	12.74	13.38	14.20	14.80	15.82	16.49	16.62	16.79	13.93
6	16.37	13.05	12.15	12.53	13.41	14.25	14.83	15.83	16.53	16.67	16.80	13.88
7	15.76	13.12	12.18	12.53	13.44	14.30	14.86	15.84	16.57	16.68	16.81	13.82
8	15.60	13.13	12.30	12.56	13.49	14.36	14.90	15.91	16.61	16.69	16.82	13.69
9	15.56	13.07	12.38	12.55	13.52	14.39	14.91	15.93	16.62	16.64	16.82	13.58
10	15.50	12.89	12.40	12.56	13.55	14.40	14.97	15.96	16.63	16.45	.....	13.62
11	15.08	12.86	12.53	12.63	13.56	14.40	15.03	16.00	16.65	16.30	16.71	13.65
12	14.76	12.87	.....	12.66	13.60	14.42	15.05	16.02	16.70	16.32	16.72	13.70
13	14.74	12.73	.....	.....	13.61	14.51	15.10	16.03	.....	16.33	16.73	13.75
14	14.62	12.35	.....	.....	13.63	14.55	15.13	16.06	.....	16.34	16.74	13.80
15	14.50	11.31	.....	.....	13.68	14.57	15.17	16.12	.....	16.35	16.76	13.86
16	.....	10.91	.....	.....	13.73	14.56	15.18	16.15	.....	16.35	16.78	13.90
17	.....	10.84	.....	12.86	13.77	14.58	15.21	16.19	.....	16.37	16.81	13.92
18	.....	10.89	12.82	12.92	13.79	14.58	15.25	16.22	.....	16.39	16.82	.....
19	.....	10.99	12.84	12.99	13.84	14.63	15.23	16.23	16.84	16.39	16.82	.....
20	.....	11.13	12.86	13.04	13.87	14.66	15.28	16.24	16.85	16.42	16.77	.....
21	13.33	11.20	12.83	13.09	13.87	14.70	15.32	16.25	16.85	16.42	16.07	.....
22	13.41	11.22	12.80	13.10	13.85	14.73	15.35	16.34	16.72	16.42	15.65	.....
23	13.47	11.26	12.85	13.11	13.90	14.77	15.36	16.37	16.79	16.48	15.62	.....
24	13.47	.....	12.90	13.07	13.90	14.80	15.41	16.39	16.43	16.52	15.54	.....
25	13.31	11.01	12.91	13.10	13.93	14.77	15.47	16.42	16.43	16.60	15.54	.....
26	13.18	.....	12.91	13.13	13.97	14.73	15.50	16.44	16.45	16.60	.....	.....
27	13.01	.....	12.94	13.21	13.98	14.78	15.53	16.45	16.46	16.64	.....	.....
28	12.72	.....	12.94	13.28	13.95	14.82	15.57	16.47	16.48	16.65	15.51	.....
29	12.55	.....	12.95	13.29	14.01	14.86	15.60	16.49	16.51	16.65	15.53	.....
30	12.62	.....	13.01	13.28	14.01	14.90	15.60	16.51	16.53	16.68	15.57	.....
31	12.73	.....	13.03	.....	14.08	.....	15.65	16.51	.....	16.69	.....	.....

Mt-50. Hugo Thompson. Lat. 39°48'00", long. 84°09'30". Drilled unused well in gravel, diameter 6 inches, depth 35 feet. Highest water level 25.5, June 10, 1947. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	33.88	Jan. 14	31.85	Jan. 27	29.26	Feb. 11	27.48
2	33.88	15	31.70	28	29.04	12	27.45
3	33.87	16	31.42	29	28.75	13	27.38
4	33.90	17	31.29	30	28.59	14	27.30
5	33.88	18	30.94	31	28.35	15	27.05
6	33.78	19	30.67	Feb. 1	28.22	16	26.71
7	33.67	20	30.45	2	28.04	17	26.40
8	33.45	21	30.16	3	27.96	18	26.21
9	33.18	22	29.90	4	27.85	Apr. 7	26.56
10	32.85	23	29.72	5	27.79	8	26.51
11	32.64	24	29.55	8	27.62	9	26.47
12	32.41	25	29.45	9	27.53	10	26.39
13	32.11	26	29.36	10	27.53	11	26.33

Muskingum County

Mu-1. City of Zanesville at Water Works. Lat. 39°57'15", long. 81°59'30". Drilled unused well in gravel, diameter 6 inches, depth 150 feet. Highest water level 12.6, Apr. 28, 1948; lowest 33.7, Feb. 15, 1945. Records available: 1942-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	18.60	17.94	20.37	.....	29.22	28.87	30.52	.....
2	.....	18.58	17.95	20.53	.....	29.04	28.89	30.73	.....
3	29.42	18.75	18.48	20.58	.....	29.25	29.17	31.02	.....
4	29.40	18.80	19.20	.....	.....	28.51	29.23	31.05	31.32
5	29.26	19.39	19.30	.....	.....	28.25	29.53	30.60	31.38
6	28.99	19.53	19.35	.....	.....	28.15	29.35	30.43	31.38

Mu-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	Aug.	Sept.	Oct.	Nov.	Dec.
7	28.68	19.80	19.55	.....	.....	28.24	29.20	30.53	31.38
8	28.43	19.68	19.58	.....	.....	28.27	29.30	30.68	31.38
9	27.39	19.76	19.90	.....	26.70	28.33	29.22	30.70	31.22
10	25.66	20.10	20.48	.....	26.83	28.37	29.44	30.75	30.68
11	25.36	20.18	20.61	.....	27.01	28.47	29.47	30.82	30.30
12	24.77	20.08	20.28	.....	27.00	28.29	29.56	30.64	29.88
13	26.04	19.75	20.48	.....	27.16	28.52	29.52	30.53	29.05
14	23.37	19.56	21.00	.....	26.80	28.63	29.69	30.76	28.55
15	23.02	19.54	20.97	.....	27.10	28.65	29.50	30.76	28.30
16	22.46	19.55	20.71	.....	27.17	28.73	29.35	30.88	28.48
17	21.86	19.19	20.56	.....	27.30	28.45	29.79	30.91	27.95
18	21.33	18.99	20.55	.....	26.97	28.03	29.69	30.86	27.67
19	20.96	18.50	20.93	.....	27.35	28.44	29.72	30.96	27.80
20	20.66	17.92	21.65	.....	27.31	28.50	29.96	30.78	28.00
21	20.16	17.55	21.71	.....	27.36	28.45	30.09	30.89	28.03
22	19.66	17.19	21.15	.....	27.22	28.50	30.00	30.90	28.25
23	19.68	17.44	21.15	.....	27.35	28.60	30.02	31.00	28.40
24	19.79	17.52	21.03	.....	27.48	28.67	30.30	30.97	28.23
25	19.83	17.60	21.10	.....	27.91	28.18	30.32	30.95	28.38
26	19.85	17.13	20.50	.....	28.11	28.26	30.16	30.95	28.20
27	19.75	17.10	20.10	.....	28.10	.....	30.09	30.91	28.28
28	19.59	17.84	20.14	.....	27.96	28.63	30.18	31.10	28.42
29	19.16		20.78	.....	28.22	28.93	30.27	.....	28.73
30	18.75		20.78	.....	28.39	28.94	30.24	.....	28.80
31	18.59		20.26		29.08		30.40		28.90

Mu-2. State of Ohio. Lat. 39°57'00", long. 82°01'30". Drilled test well in gravel, diameter 6 inches, depth 54 feet. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	5.35	5.66	6.19	6.45	7.04	7.30	7.56	8.04	8.19	8.23	7.54
2	.....	5.37	5.85	6.23	6.49	7.09	7.35	7.56	7.56	8.18	8.22	7.53
3	.....	5.49	5.99	6.24	6.54	7.11	7.35	.....	7.98	.....	8.23	7.20
4	6.20	5.65	6.07	5.67	6.60	7.01	7.14	7.66	.....	8.18	8.14	.....
5	6.13	5.74	6.13	4.99	6.66	7.00	6.49	7.70	.....	8.20	8.18	.....
6	5.64	5.87	6.20	5.07	6.72	7.11	6.64	7.73	8.06	8.20	8.20	.....
7	4.64	5.92	6.24	5.17	6.80	7.18	6.81	7.76	8.07	8.21	8.20	.....
8	5.12	5.95	6.29	5.33	6.85	7.25	6.92	7.78	8.09	8.20	8.18	4.60
9	5.26	5.90	6.40	5.39	6.85	7.28	7.03	7.82	8.10	8.19	8.16	5.38
10	5.26	5.69	6.47	5.51	6.88	7.28	7.11	7.81	8.10	.....	8.16	5.44
11	4.90	5.81	6.46	5.55	6.90	7.27	7.18	7.85	8.12	8.15	8.06	5.55
12	5.23	5.89	6.39	5.66	6.91	7.30	7.22	7.87	8.12	8.13	8.08	5.73
13	5.25	5.88	6.12	5.78	6.94	7.33	7.25	7.88	8.10	8.10	8.10	5.95
14	5.06	5.14	6.06	5.88	6.96	7.36	7.27	7.90	8.10	8.10	8.11	6.13
15	5.14	4.72	6.14	5.96	6.98	7.39	7.33	7.91	8.09	8.15	8.11	.....
16	5.12	4.87	6.21	6.10	6.96	7.38	7.38	7.91	8.12	.....	8.11	6.42
17	4.91	4.96	6.24	6.17	7.00	7.05	7.42	7.92	8.15	.....	8.08	6.54
18	4.95	4.96	6.30	6.25	7.01	7.12	7.44	7.93	8.15	8.18	8.09	6.63
19	5.12	5.05	6.37	6.30	7.00	7.18	7.46	7.94	8.16	8.18	8.09	6.70
20	5.24	5.15	6.39	6.35	7.07	7.24	7.42	7.96	8.12	8.20	8.08	6.81
21	5.42	5.20	6.08	6.41	7.11	7.38	7.48	7.97	8.12	8.20	7.99	6.95
22	5.58	5.21	5.60	6.46	7.15	7.36	7.51	8.03	8.08	8.20	7.23	7.01
23	5.71	4.60	5.60	6.46	7.09	7.38	7.54	.....	8.04	8.22	7.35	7.05
24	4.70	4.85	5.70	6.45	7.14	7.37	7.55	.....	8.05	.....	7.50	7.05
25	4.99	5.00	5.84	6.45	7.14	7.29	7.45	8.03	8.08	8.23	7.54	7.05
26	5.18	5.22	5.87	5.35	6.88	7.10	7.46	8.05	.....	8.24	7.56	7.11
27	5.00	5.45	5.91	6.15	6.67	7.10	7.54	8.05	8.15	8.24	7.61	7.10
28	5.13	5.55	5.91	6.29	6.64	7.12	7.58	8.05	8.16	8.23	7.59	7.12
29	5.16		6.00	6.35	6.72	7.18	7.62	8.05	8.16	8.23	7.57	7.15
30	.....		6.09	6.43	6.83	7.25	7.66	8.05	8.18	8.23	7.54	7.20
31	.....		6.15		6.94		7.68	8.05		8.23		7.23

Portage County

Po-1. Edward Tiddle. Lat. 41°14'06", long. 81°02'48". Drilled unused well in sandstone, diameter 6 inches, depth 55 feet. Highest water level 14.60, June 24, 1947; lowest 21.09, Jan. 4, 1950. Records available: 1946-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	.....	20.38	19.79	19.22	17.63	16.56	16.36	17.53	19.05	19.60	19.92
2	21.06	20.37	19.81	19.22	17.57	16.56	16.35	17.58	19.14	19.63	19.95
3	21.06	20.39	19.81	19.18	17.50	16.50	16.38	17.63	19.16	19.63	19.96
4	21.09	20.36	19.80	19.14	17.45	16.44	16.41	17.67	19.21	19.63	.....
5	.....	20.36	19.75	19.11	17.40	16.42	16.45	17.74	19.24	19.67	.....
6	.....	20.29	.....	19.07	17.36	16.45	16.49	17.79	19.29	19.67	.....
7	.....	20.33	.....	19.00	17.34	16.49	16.56	17.85	19.26	19.67	.....
8	21.02	20.34	.....	19.01	17.34	16.49	16.59	17.90	19.29	19.68	.....
9	20.95	20.29	.....	18.99	17.20	16.45	16.63	17.94	19.29	19.68	.....
10	20.93	20.30	.....	18.77	17.13	16.32	16.66	17.98	19.31	19.70	.....
11	20.94	20.25	.....	18.67	17.11	16.34	16.69	18.07	19.35	19.72	.....
12	20.87	20.25	19.63	18.65	17.03	16.31	16.70	18.13	19.34	19.71	.....
13	20.82	20.21	19.62	18.61	16.95	16.25	16.77	18.13	19.35	19.75	.....
14	20.84	20.13	19.62	18.57	16.93	16.25	16.80	18.23	19.36	19.76	.....
15	20.81	20.05	19.62	18.53	16.89	16.24	16.84	18.26	19.40	19.80	.....
16	20.73	20.06	19.55	18.45	16.91	16.21	16.87	18.29	19.44	19.80	.....
17	20.69	20.03	19.53	18.38	16.87	16.26	16.90	18.35	19.44	19.80	.....
18	20.65	20.03	19.57	18.38	16.82	16.22	16.97	18.35	19.45	19.81	.....
19	20.64	20.00	19.61	18.31	16.77	16.12	16.98	18.40	19.45	19.79	.....
20	20.64	19.99	19.53	18.29	16.73	16.13	17.06	18.47	19.46	19.81	.....
21	20.59	19.92	19.51	18.24	16.71	16.20	17.09	18.50	19.44	19.82	.....
22	20.57	19.91	19.50	18.24	16.64	16.19	17.12	18.57	19.46	19.82	.....
23	20.57	19.91	19.44	18.17	16.62	16.15	17.14	18.60	19.52	19.86	.....
24	20.55	19.90	19.44	18.13	16.60	16.17	17.20	18.65	19.55	19.86	.....
25	20.53	19.90	19.47	17.95	16.56	16.20	17.24	18.72	19.55	19.87	.....
26	20.51	19.86	19.43	17.91	16.57	16.18	17.27	18.77	19.55	19.97	.....
27	20.51	19.86	19.32	17.83	16.55	16.26	17.31	18.82	19.54	19.89	.....
28	20.47	19.82	19.30	17.82	16.53	16.27	17.34	18.83	19.57	19.89	.....
29	20.45	.....	19.30	17.78	16.52	16.27	17.39	18.93	19.57	19.92	.....
30	20.45	.....	19.31	17.70	16.49	16.32	17.45	18.97	19.58	19.92	.....
31	20.40	.....	19.26	.....	16.52	.....	17.50	19.00	.....	19.92	.....

Po-2. City of Kent. Lat. 41°08'43", long. 81°22'08". Drilled unused well in sandstone, diameter 10 inches, depth 65 feet. Highest water level 10.80, June 9, 1947; lowest 22.15, Dec. 15, 1950. 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	.....	19.52	18.00	15.38	16.51	18.09	18.20	18.92	20.37	19.60	21.35	21.35
2	.....	19.68	17.97	16.35	16.78	18.19	16.89	19.40	19.50	20.60	21.37	21.60
3	.....	19.72	18.03	17.40	16.86	17.82	18.08	19.40	.....	20.80	21.32	21.60
4	.....	19.58	17.05	17.58	17.35	16.50	16.70	19.24	18.23	20.60	21.10	21.35
5	.....	19.27	16.80	17.48	17.50	17.90	17.95	19.26	19.58	20.86	20.90	22.02
6	.....	19.40	17.81	17.56	17.20	18.10	17.90	18.88	19.70	20.95	21.48	21.90
7	.....	19.55	17.80	17.78	15.72	17.91	18.07	19.38	19.70	20.55	21.50	21.86
8	.....	19.60	18.00	15.15	17.42	18.35	18.07	19.75	19.70	19.55	21.35	21.95
9	.....	19.48	18.01	14.85	17.51	18.58	18.10	19.87	19.70	20.45	21.38	21.20
10	.....	19.46	18.01	16.50	17.20	17.92	18.07	19.92	19.60	20.95	21.38	21.70
11	.....	18.50	16.62	16.65	17.45	16.08	18.03	20.05	19.50	21.00	21.38	21.75
12	.....	17.85	16.10	16.65	17.52	17.53	18.15	19.88	19.38	20.80	21.23	21.90
13	.....	19.05	17.61	16.78	17.12	17.46	18.20	19.78	19.48	21.10	21.65	21.95
14	19.05	19.04	17.70	16.85	15.80	17.47	18.15	20.01	19.60	20.68	21.68	22.10
15	20.58	19.00	17.80	16.55	17.30	17.60	18.25	20.35	19.55	20.40	21.45	22.15
16	20.10	19.02	17.85	15.91	17.69	18.09	18.25	20.61	19.40	20.98	21.48	21.92
17	20.13	19.10	17.77	16.62	17.70	17.70	18.10	20.95	18.30	21.10	21.50	20.65
18	20.08	17.90	16.35	16.70	17.71	17.40	18.15	20.96	19.50	21.22	21.50	21.48
19	20.11	.....	16.10	16.90	17.81	17.65	18.16	20.45	19.68	21.35	.....	21.50
20	20.09	18.59	17.31	16.90	17.60	17.76	18.17	18.70	19.75	21.52	21.68	21.50
21	19.20	18.59	17.20	17.00	16.16	18.32	18.22	20.00	19.75	21.21	12.85	21.40
22	18.90	18.32	17.00	16.86	17.57	18.42	18.11	19.88	19.80	21.10	21.90	21.35
23	19.71	18.44	17.02	15.52	17.46	19.13	16.85	19.88	19.60	21.30	21.50	20.15
24	19.77	18.42	16.95	16.70	17.87	19.21	18.22	20.25	18.30	21.45	21.30	20.00
25	19.80	18.10	16.41	16.80	18.03	18.55	18.31	20.80	19.55	21.55	20.40	19.80
26	19.82	17.68	15.40	16.85	18.10	18.48	18.41	20.80	19.80	21.65	19.88	20.90

Po-2--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
27	19.82	18.01	16.78	17.02	17.81	18.37	18.50	20.42	20.00	21.70	20.90	21.10
28	19.65	18.02	16.86	17.09	16.30	18.35	18.65	20.56	20.43	21.35	.....	21.15
29	18.20		17.00	16.71	17.97	18.34	18.70	20.54	20.61	20.82	.....	.....
30	19.50		17.03	.....	17.43	18.31	18.63	20.32	20.30	21.55	.....	21.05
31	19.59		16.91		18.00		19.16	20.35		21.30		20.68

Putnam County

Pu-1. City of Columbus Grove. Lat. 40°55'10", long. 84°03'20". Drilled unused well in limestone, diameter 6 inches, depth 110 feet. Highest water level 9.50, Jan. 5, 1950. 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	10.43	10.40	11.10	12.40	11.30	14.00	15.60	15.60	14.30	12.30	12.70	12.90
2	10.60	10.00	10.30	10.20	11.90	14.70	14.30	15.70	16.20	13.00	11.95	12.88
3	10.30	10.30	10.90	12.40	12.30	14.60	15.00	16.40	15.55	12.70	12.25	10.65
4	9.90	10.20	11.80	12.40	12.20	13.92	15.30	16.90	15.65	12.70	12.20	.....
5	9.50	9.80	11.70	12.70	12.70	14.60	15.60	17.40	14.70	12.48	11.80	10.55
6	9.70	10.30	11.50	12.40	12.80	14.60	15.00	17.40	15.85	12.78	11.05	12.05
7	9.90	10.50	11.20	12.80	12.50	14.80	.....	15.69	14.80	13.05	12.60	11.90
8	10.40	10.60	.....	12.70	12.70	15.50	15.70	16.90	15.30	12.50	13.30	12.55
9	10.50	11.40	.....	11.10	12.70	15.30	14.50	16.70	15.90	12.10	12.60	12.80
10	10.10	11.30	11.40	12.10	12.90	14.40	15.70	16.50	15.05	11.70	13.05	11.30
11	10.00	11.20	11.10	11.80	13.10	13.90	16.40	15.90	14.95	11.10	12.62	12.45
12	9.80	10.80	10.50	11.80	12.40	14.40	17.10	16.20	15.90	11.35	11.40	12.48
13	9.60	10.50	11.00	11.30	13.40	14.40	16.30	15.90	15.65	11.00	12.70	13.00
14	10.90	10.00	10.50	12.30	12.60	13.40	17.00	16.60	14.90	11.15	12.90	12.78
15	9.80	9.90	11.10	12.10	13.00	13.00	17.20	16.45	14.65	11.40	12.70	12.68
16	9.90	10.30	10.80	10.90	13.50	14.40	16.10	16.27	14.50	12.00	12.70	12.95
17	10.30	10.10	11.80	12.30	13.60	14.40	15.60	16.70	13.40	12.10	12.90	11.50
18	10.10	10.30	11.10	12.40	13.10	13.90	16.20	16.60	14.00	11.85	12.60	12.90
19	9.90	9.90	11.30	12.40	13.50	14.30	15.70	16.30	14.02	12.10	11.40	12.98
20	10.50	10.40	12.70	12.30	14.00	14.40	15.80	15.60	13.90	11.55	11.28	12.78
21	10.10	10.50	12.30	12.00	13.40	14.70	15.60	16.20	13.75	11.80	11.95	13.30
22	10.30	10.50	12.30	12.90	14.00	15.00	15.50	16.30	13.20	11.45	12.20	13.05
23	10.70	11.70	12.00	11.50	13.50	15.00	14.20	16.45	13.30	11.55	11.50	13.20
24	10.10	12.60	12.50	12.10	13.60	15.70	14.90	16.65	13.30	11.80	12.00	11.70
25	10.10	11.20	12.60	11.70	13.70	14.00	14.90	16.75	.....	11.45	12.25	11.50
26	9.60	10.80	11.00	11.30	14.00	.....	14.40	16.70	.....	11.10	11.05	13.00
27	10.00	11.10	12.00	11.00	13.90	.....	15.00	16.95	.....	11.40	12.90	13.53
28	10.00	11.80	12.10	10.90	13.30	.....	15.40	16.20	.....	11.30	12.05	13.90
29	10.10		11.90	10.70	13.80	14.73	15.80	14.80	.....	11.20	12.25	14.05
30	10.40		12.10	10.40	13.70	15.00	15.20	16.05	.....	11.40	12.60	14.05
31	9.90		12.40		13.90		15.70	14.90		11.30		12.40

Richland County

R-2. City of Lexington. Lat. 40°40'42", long 82°34'40". Drilled unused well in sandstone, diameter 6 inches, depth 125 feet. Highest water level 22.30, June 8, 1947; lowest 28.00, Oct. 17, 1948. 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	27.20	24.64	24.80	25.20	25.80	26.22	26.84	27.18	27.40	27.40	27.56	.....
2	27.19	24.74	24.89	25.22	25.81	26.27	26.85	27.12	27.41	27.41	27.57	.....
3	27.14	24.85	24.98	25.22	25.84	26.29	26.87	27.09	27.43	27.41	27.58	26.65
4	26.99	24.94	25.06	25.20	25.86	26.26	26.88	27.09	27.44	27.41	27.58	26.48
5	26.70	25.02	25.12	24.97	25.89	26.25	26.89	27.10	27.46	27.44	27.58	26.35
6	26.47	25.10	25.19	24.79	25.92	26.29	26.91	27.11	27.47	27.43	27.61	26.29
7	26.02	25.19	25.33	24.75	25.96	26.33	26.93	27.14	27.48	27.43	27.61	26.24
8	25.60	25.24	25.29	24.75	26.00	26.37	26.95	27.16	27.50	27.44	27.62	25.84
9	25.36	25.22	25.37	24.79	26.02	26.40	26.97	27.17	27.51	27.43	27.62	25.40
10	25.22	25.09	25.41	24.79	26.03	26.39	27.00	27.18	27.54	27.41	27.61	25.24

R-2--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	24.68	25.13	25.15	24.84	26.05	26.35	27.02	27.19	27.55	27.37	27.60	25.19
12	24.37	25.18	25.15	24.89	26.08	26.38	27.04	27.20	27.55	27.34	27.62	25.23
13	24.24	25.18	25.37	24.96	26.09	26.40	27.05	27.22	27.53	27.31	27.63	25.29
14	24.11	24.69	25.41	25.04	26.12	26.43	27.08	27.23	27.52	27.30	27.63	25.34
15	24.11	23.95	25.45	25.11	26.15	26.45	27.10	27.29	27.51	27.32	27.64	25.41
16	23.72	23.60	25.48	25.17	26.18	26.47	27.12	27.27	27.53	27.33	27.65	25.47
17	22.90	23.71	25.48	25.23	26.21	26.50	27.14	27.28	27.54	27.35	27.63	25.53
18	23.08	23.83	25.48	25.30	26.24	26.50	27.12	27.28	27.56	27.36	27.64	25.60
19	23.36	23.98	25.50	25.36	26.77	26.53	27.13	27.25	27.56	27.38	27.65	25.66
20	23.60	24.14	25.51	25.40	26.30	26.55	27.16	27.24	27.53	27.39	.....	25.72
21	23.80	24.55	25.50	25.47	26.32	26.58	27.18	27.26	27.53	27.41	.....	25.78
22	23.95	24.25	25.46	25.52	26.35	26.60	27.18	27.28	27.46	27.43	.....	25.84
23	24.10	24.26	25.30	25.56	26.38	26.63	27.20	27.30	27.37	27.45	27.08	25.88
24	24.16	24.34	25.36	25.55	26.41	26.66	27.21	27.32	27.35	27.46	27.06	25.93
25	24.13	21.50	25.36	25.63	26.41	26.68	27.21	27.34	27.34	27.47	.....	25.97
26	21.22	24.56	25.41	25.66	26.14	26.71	27.22	27.35	27.35	27.45	.....	26.04
27	24.17	24.65	25.36	25.72	26.02	26.73	27.23	27.36	27.37	27.50	.....	26.08
28	24.33	24.71	25.28	25.77	26.04	26.76	27.24	27.38	27.38	27.52	.....	26.02
29	24.34	.....	25.18	25.81	26.06	26.78	27.26	27.39	27.39	27.53	.....	26.16
30	24.43	.....	25.19	25.81	26.13	26.87	27.28	27.40	27.40	27.54	.....	26.20
31	24.55	.....	25.20	.....	26.18	.....	27.28	27.40	.....	27.55	.....	26.24

R-3. Voisard Factory, Shiloh. Lat. 41°58'00", long. 82°36'06". Drilled unused well in gravel, diameter 8 inches, depth 150 feet. Highest water level 23.70, June 15, 1947; lowest 29.00, Nov. 1, 1945. Records available: 1946-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.74	25.90	25.21	.....	25.98	.....	27.05	27.61	27.17	27.21
2	26.66	26.23	25.03	.....	25.75	.....	27.15	27.72	27.15	26.93
3	26.98	26.30	.....	.....	25.91	.....	26.96	27.64	27.28	26.97
4	26.97	26.35	.....	.....	25.92	.....	27.28	27.60	26.96	27.10
5	26.71	26.06	.....	.....	25.66	26.86	27.39	27.64	27.25	27.22
6	26.60	26.29	.....	.....	25.97	26.75	27.35	27.69	27.35	27.02
7	26.90	25.96	.....	.....	25.97	26.88	27.15	27.67	27.22	26.77
8	26.65	25.55	.....	.....	26.23	26.93	26.77	27.37	27.20	26.94
9	25.94	26.90	27.15	27.42	27.38	26.87
10	26.67	.....	.....	.....	26.05	26.83	27.08	27.35	27.47	26.78
11	26.62	.....	.....	.....	26.26	26.91	26.97	27.32	27.52	26.70
12	26.86	.....	.....	.....	26.26	26.90	27.10	27.51	27.52	26.46
13	26.60	.....	.....	.....	26.07	.....	27.18	27.38	27.54	26.62
14	26.27	.....	.....	.....	26.45	.....	27.30	27.58	27.50	26.60
15	26.40	25.67	.....	.....	26.45	.....	27.32	27.30	27.35	26.65
16	26.31	25.71	.....	.....	26.25	.....	.....	27.33	27.37	26.63
17	26.50	25.72	.....	.....	26.33	.....	.....	27.32	27.58	26.72
18	26.15	25.97	.....	25.67	26.18	.....	27.06	27.27	27.32	.....
19	25.95	.....	25.45	.....	.....	27.38	27.11	27.12	.....
20	26.30	25.70	.....	25.43	.....	.....	27.35	27.35	27.36	.....
21	26.31	25.66	.....	25.62	.....	.....	27.15	27.08	27.23	.....
22	26.83	25.39	.....	25.61	.....	.....	27.10	27.13	27.23	.....
23	27.11	25.61	25.44	.....	25.42	.....	27.25	27.23	27.17	.....
24	27.00	25.93	.....	.....	25.62	.....	27.55	27.18	27.36	26.28
25	27.04	25.85	.....	.....	25.67	.....	26.80	27.55	27.27	26.40
26	27.45	26.08	.....	25.69	.....	27.19	27.58	27.28	26.63	26.40
27	27.39	26.08	.....	25.48	.....	27.22	.....	27.18	27.07	26.75
28	27.37	26.17	.....	25.84	.....	27.17	.....	27.06	27.08	.....
29	26.66	.....	.....	25.78	.....	27.12	27.40	27.17	27.12	.....
30	27.12	.....	25.52	.....	25.88	.....	27.09	27.81	27.33	26.95
31	25.56	.....	.....	.....	26.92	.....	.....	.....	26.20

R-4. City of Mansfield. Lat. 40°45'30", long. 82°31'00". Drilled unused well in gravel, diameter 14 inches, depth 127 feet. Records available: 1942-47, 1949-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.90	41.60	43.00	45.20	48.80	39.90	46.40	.....	48.10	50.50	49.78
2	41.60	43.70	42.25	46.50	49.40	37.00	46.73	.....	46.70	50.90	47.11
3	42.30	45.90	40.90	47.10	49.60	36.20	46.80	.....	48.50	51.02	44.15

R-4--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	40.95	42.30	44.35	42.70	47.60	49.00	36.30	46.49	.....	48.84	51.02	43.84
5	43.06	35.60	41.10	43.45	47.60	47.80	36.90	46.10	46.32	.....	50.50	45.60
6	43.55	37.90	39.70	45.15	48.00	49.50	45.60	45.60	50.32	.....	.....	48.23
7	43.60	41.00	45.10	46.10	45.30	50.10	47.30	46.28	52.00	.....	49.98	49.04
8	37.82	41.28	45.90	46.85	44.90	50.40	47.50	48.96	52.60	.....	50.62	49.37
9	39.10	40.20	47.70	43.30	47.90	50.50	46.00	50.16	52.75	.....	51.10	49.38
10	42.40	40.40	47.90	42.50	49.10	50.50	46.60	50.48	48.60	.....	51.18	48.81
11	43.40	40.40	45.40	46.25	49.50	49.50	48.20	51.26	48.30	49.48	51.20	47.77
12	43.40	.....	43.30	46.80	45.75	47.80	45.20	51.32	51.66	49.90	.....	48.78
13	43.45	.....	41.20	48.00	49.80	49.40	49.60	51.12	52.85	50.00	.....	45.11
14	43.35	.....	45.70	48.60	49.40	49.50	45.80	45.68	53.39	50.04	.....	49.28
15	37.05	43.50	46.90	48.60	46.30	50.00	49.80	51.21	53.73	49.81	50.70	45.56
16	38.05	43.50	46.95	40.50	48.70	50.00	49.10	51.76	53.80	49.05	50.77	49.82
17	39.25	45.00	47.30	42.50	49.40	50.00	46.80	52.08	53.40	50.11	51.05	.....
18	40.05	45.50	45.25	45.30	45.80	48.50	48.60	52.24	50.90	50.49	51.13	.....
19	40.60	38.50	40.70	46.20	50.10	47.40	48.50	52.25	53.00	50.61	50.40	.....
20	41.20	38.60	40.80	46.70	50.20	49.10	49.20	50.11	53.62	50.80	48.95	49.68
21	41.30	39.60	43.20	46.90	46.60	49.90	49.30	45.15	53.69	50.80	49.83	49.50
22	35.10	.....	43.75	46.90	47.70	48.70	49.30	51.55	51.60	50.40	50.50	49.68
23	37.20	41.05	44.20	41.90	49.30	50.80	46.80	52.30	50.38	48.60	50.50	49.74
24	39.70	43.34	44.30	45.40	49.70	51.00	43.70	.....	45.50	50.10	48.05	49.27
25	40.70	42.65	44.30	47.30	50.00	46.60	44.20	.....	46.60	50.55	48.96	47.56
26	41.30	47.50	43.00	47.40	50.20	38.90	44.30	.....	.....	50.80	48.45	48.47
27	41.40	39.00	41.30	47.60	50.20	39.10	44.30	.....	49.40	50.80	48.24	49.04
28	41.20	40.80	43.30	47.90	48.50	45.40	45.80	.....	49.70	50.81	49.55	.....
29	34.80	.....	43.75	47.90	46.20	45.40	46.50	.....	49.76	50.52	49.72	.....
30	36.40	.....	43.80	47.00	46.70	40.70	46.50	.....	49.60	47.95	49.77	.....
31	38.50	.....	44.00	.....	46.90	.....	45.80	.....	.....	49.88	.....	.....

Ross County

Ro-1. City of Chillicothe. Drilled unused well in gravel, diameter 36 inches, depth 70 feet. Highest water level 2.90, Apr. 16, 1948; lowest 20.80, Feb. 9, 1945. 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	.....	.....	.....	12.92	13.33	15.08	.....	17.20	.....	.....	18.55	.....
2	.....	12.14	.....	13.07	13.38	15.15	.....	.....	.....	.....	.....	.....
3	.....	11.91	12.44	13.13	13.04	15.20	.....	.....	.....	.....	.....	.....
4	.....	11.23	.....	12.98	13.07	15.24	.....	.....	.....	.....	.....	15.23
5	.....	11.06	.....	12.28	13.21	15.29	.....	.....	.....	.....	.....	13.82
6	.....	11.13	12.44	.....	13.35	15.30	.....	.....	.....	.....	.....	10.08
7	.....	11.00	12.56	9.55	13.48	15.23	.....	.....	.....	.....	.....	9.17
8	7.58	10.07	12.72	10.20	13.58	15.26	15.94	.....	.....	.....	.....	9.15
9	8.75	7.43	12.85	10.77	13.68	15.36	16.07	.....	.....	.....	.....	8.57
10	9.46	.....	12.92	11.22	.....	15.39	16.20	.....	.....	18.30	.....	7.47
11	9.47	.....	12.97	11.53	.....	15.45	16.32	.....	.....	18.23	.....	8.53
12	8.92	.....	13.02	11.56	13.80	15.51	16.51	.....	.....	17.89	.....	10.70
13	9.24	.....	13.01	11.76	13.88	15.51	16.58	.....	.....	17.51	.....	11.52
14	9.44	.....	.....	11.88	13.54	.....	16.62	.....	.....	17.46	.....	12.07
15	.....	.....	.....	12.23	14.01	.....	16.65	.....	.....	17.53	.....	12.56
16	.....	.....	.....	12.46	14.09	.....	16.70	.....	.....	17.66	.....	12.94
17	9.25	.....	.....	12.65	14.13	.....	16.75	.....	.....	17.77	.....	15.27
18	8.70	.....	12.96	12.82	14.18	.....	16.85	.....	.....	.....	.....	13.54
19	7.55	.....	12.89	12.97	14.28	.....	.....	.....	.....	.....	.....	13.80
20	8.48	.....	12.98	13.07	14.60	.....	.....	.....	.....	.....	18.55	.....
21	9.69	.....	12.99	13.19	14.56	.....	.....	.....	18.33	.....	18.20	.....
22	10.60	.....	12.75	.....	14.74	.....	.....	.....	18.22	.....	16.92	14.28
23	11.25	.....	12.41	.....	14.80	.....	.....	.....	17.65	.....	15.73	14.42
24	11.50	.....	12.39	.....	14.84	.....	.....	17.98	17.43	.....	15.90	14.53
25	11.35	.....	.....	.....	14.88	.....	17.00	18.02	17.49	18.32	16.16	14.53
26	10.52	.....	.....	13.08	14.92	.....	17.00	18.05	17.59	18.36	16.52	14.60
27	8.87	.....	.....	12.68	15.00	.....	17.00	18.09	17.71	18.40	16.70	14.72
28	7.77	.....	.....	12.68	14.93	.....	17.04	18.12	17.82	18.43	.....	14.82
29	7.81	.....	.....	12.76	13.05	14.90	.....	17.10	18.13	.....	18.45	.....
30	8.30	.....	12.56	13.22	14.97	.....	17.14	18.10	.....	18.48	.....	.....
31	9.05	.....	12.72	.....	15.02	.....	17.18	18.13	.....	18.52	.....	.....

Ro-2. City of Chillicothe. Chestnut and Park Sts., Chillicothe. Drilled unused well in gravel, diameter 26 inches, depth 105 feet. Lowest water level 48.50, Jan. 13, 1949. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	40.32	Apr. 3	33.95	July 15	37.45	Oct. 8	39.20
14	30.20	15	33.15	22	37.74	21	38.73
15	30.50	22	34.10	29	37.96	28	39.25
24	32.25	23	34.20	Aug. 5	38.19	Nov. 4	39.55
Feb. 4	31.08	May 6	34.15	12	38.43	5	39.50
9	32.88	11	34.75	19	38.66	18	39.30
12	31.95	19	35.05	25	38.72	20	39.40
21	30.40	26	35.72	31	38.95	Dec. 1	38.70
Mar. 4	32.80	June 3	36.00	Sept. 3	38.92	3	36.98
11	33.75	6	36.10	16	39.15	16	33.55
13	33.80	15	36.30	18	39.25	23	35.15
16	33.80	24	36.60	30	38.72	30	35.85
27	33.70	July 5	37.20	Oct. 7	39.14		

Ro-3. Mead Paper Co. Chillicothe. Drilled unused well in gravel, diameter 30 inches, depth 91 feet. Highest water level 20.1, Apr. 18, 1948; lowest 42.90, Dec. 24, 1949. 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	42.61	37.58	31.47	31.54	30.95	32.25	34.15	34.18	36.70	37.05	37.95	37.95
2	42.61	37.44	31.48	31.56	30.67	32.35	34.25	34.35	36.85	37.00	38.05	38.05
3	42.39	37.30	31.50	31.33	30.80	32.40	34.18	34.50	36.90	36.65	38.28	38.10
4	42.49	37.17	31.50	31.05	30.91	32.45	33.58	34.55	36.80	36.68	38.35	38.08
5	42.56	36.96	31.45	31.05	31.00	32.43	33.00	34.68	36.35	36.70	38.45	37.87
6	42.62	36.72	31.32	30.90	31.16	32.45	32.45	34.73	36.15	36.82	38.50	37.68
7	42.62	36.37	30.90	30.75	31.20	32.58	32.00	34.68	36.38	36.90	38.57	37.50
8	42.53	36.20	30.99	30.65	31.20	32.68	.....	34.45	36.48	37.03	38.65	37.35
9	42.30	36.10	31.13	30.67	31.25	32.75	30.99	34.60	36.63	37.03	38.75	37.23
10	41.83	35.82	31.16	30.47	31.37	32.80	30.85	34.75	36.70	37.08	38.80	37.10
11	41.62	35.57	31.13	30.14	31.52	32.85	31.15	34.95	36.72	37.10	38.85	37.03
12	41.47	35.24	31.13	30.20	31.63	32.80	31.55	35.05	36.53	37.18	38.87	36.95
13	41.32	34.82	31.08	30.27	31.73	32.55	31.90	35.10	36.70	37.33	38.85	36.90
14	41.17	34.22	31.10	30.36	31.77	32.70	32.10	35.10	36.88	37.37	38.85	36.85
15	41.05	33.95	31.14	30.42	31.70	32.85	32.35	35.15	36.95	37.42	38.90	36.83
16	40.85	33.74	31.17	30.45	31.64	33.05	32.50	35.25	37.03	37.40	38.95	36.77
17	40.46	33.52	31.22	30.40	31.57	33.15	32.48	35.35	37.08	37.42	39.00	36.75
18	40.25	33.35	31.33	30.40	31.68	33.23	32.45	35.45	36.98	37.48	39.05	36.60
19	40.05	33.15	31.36	30.50	31.75	33.22	32.66	35.55	36.80	37.50	39.10	36.20
20	39.87	32.97	31.21	30.57	31.85	33.27	32.90	35.63	36.93	37.55	39.15	36.20
21	39.72	32.71	30.85	30.61	31.88	33.40	33.10	35.60	37.03	37.60	39.18	36.10
22	39.56	32.53	30.92	30.67	31.72	33.50	33.27	35.45	37.05	37.65	39.18	36.10
23	39.41	32.43	31.02	30.68	31.60	33.62	33.36	35.65	37.10	37.68	39.15	36.05
24	39.50	32.38	31.04	30.67	31.77	33.70	33.32	35.80	37.18	37.69	39.10	36.03
25	39.38	32.28	31.14	30.68	31.95	33.75	33.25	35.95	37.10	37.75	39.07	36.03
26	39.14	32.22	31.15	30.82	32.12	33.65	33.45	36.05	37.00	37.80	39.03	35.75
27	39.15	32.04	31.10	30.90	32.25	33.45	33.62	36.08	36.98	37.88	38.95	35.10
28	38.84	31.59	31.22	30.95	32.32	33.63	33.75	36.20	36.95	38.00	38.60	34.95
29	38.58		31.43	31.08	32.22	33.85	33.90	36.30	37.00	38.05	38.25	35.18
30	38.28		31.52	31.10	31.94	34.10	34.02	36.40	37.00	37.95	37.90	35.20
31	37.77		31.55		32.30		34.04	36.55		37.80		.....

Ro-4. Chillicothe Paper Co. Chillicothe. Highest water level 10.5, Apr. 16, 1948; lowest 38.4, Dec. 19, 1947. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	37.60	Apr. 2	27.10	July 2	31.00	Oct. 1	33.60
8	35.70	9	26.80	14	29.00	8	33.40
15	34.80	22	26.40	22	29.70	15	33.20
24	36.20	29	27.20	29	30.50	22	34.00
Feb. 1	34.70	May 5	26.90	Aug. 5	31.30	Nov. 3	33.30
5	33.20	11	27.70	11	32.20	11	33.70
12	31.20	20	28.20	19	32.70	12	33.60
23	29.10	26	29.00	26	32.90	21	34.00
Mar. 1	27.10	28	28.90	Sept. 1	34.40	28	34.50
10	27.20	June 10	29.30	9	33.60	Dec. 3	34.60
18	27.40	16	29.70	14	34.10	10	33.90
25	26.80	24	30.40	23	33.50	17	32.80
Apr. 1	27.20	30	30.70	24	34.00	24	31.90

Ro-5. Mead Corp. Eighth and Hickory Sts., Chillicothe. Unused test well in gravel, diameter 6 inches, depth 86 feet. Highest water level 27.9, July 2, 1943; lowest 61.5, Oct. 9 and 16, 1949. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	53.93	Apr. 7	41.33	July 7	34.48	Oct. 6	50.53
13	51.73	14	41.09	14	42.93	13	50.93
20	52.09	21	41.59	21	45.09	20	51.58
27	51.43	28	42.26	28	45.11	27	55.93
Feb. 3	48.43	May 5	42.68	Aug. 4	46.43	Nov. 3	51.34
10	47.01	12	43.26	11	46.93	10	52.25
17	44.43	19	43.35	18	48.09	17	53.26
24	43.33	26	43.43	25	48.09	24	53.51
Mar. 3	41.50	June 2	43.73	Sept. 1	49.28	Dec. 1	50.53
10	41.53	9	44.33	8	49.43	8	51.93
17	41.66	16	44.93	15	49.58	15	51.65
24	40.59	23	44.93	22	50.93	22	50.93
31	42.34	30	45.43	29	51.25	29	49.93

Sandusky County

S-1. City of Woodville. Water Works Plant. Drilled unused well in limestone, diameter 10 inches, depth 188 feet. Highest water level 9.43, May 2, 1950; lowest 25.4, Dec. 20, 1949. 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	.....	21.88	.....	12.33	9.84	13.52	16.53	18.75	20.80	21.10	20.43	19.18
2	.....	21.80	.....	12.24	9.43	13.63	16.54	18.85	20.85	21.10	20.70	.....
3	.....	21.80	.....	12.11	9.49	13.84	16.73	19.03	20.92	21.18	.....	.....
4	.....	21.78	.....	12.13	9.47	13.84	16.80	18.98	20.90	21.18	.....	.....
5	24.95	21.40	.....	12.07	9.98	13.82	16.96	19.33	20.85	21.17	.....	.....
6	24.80	21.47	.....	.....	10.37	14.22	17.03	19.34	20.83	21.21	.....	.....
7	24.75	21.62	.....	.....	10.41	14.51	17.20	19.30	20.90	21.23	.....	.....
8	24.50	21.30	.....	.....	10.08	14.87	17.28	19.40	.....	21.21	.....	.....
9	24.55	21.38	15.88	.....	10.33	14.80	17.34	19.49	.....	21.20	20.62	.....
10	24.45	21.08	15.70	.....	10.25	14.60	17.58	19.60	.....	.....	20.63	.....
11	24.35	21.03	15.10	.....	10.45	14.68	17.55	19.78	.....	.....	20.50	.....
12	24.10	20.82	15.10	11.29	10.25	14.65	17.60	19.90	.....	20.75	20.33	.....
13	.....	20.54	.....	.....	10.30	14.58	17.77	19.85	.....	20.65	20.15	.....
14	.....	19.22	.....	.....	10.34	14.89	17.92	19.85	.....	20.45	20.23	17.25
15	.....	19.85	.....	.....	10.78	14.93	18.03	19.83	.....	20.55	20.16	17.38
16	.....	15.56	17.25	.....	11.07	14.89	18.00	19.98	.....	20.44	20.23	17.28
17	.....	.....	17.12	.....	11.06	15.43	18.06	20.03	.....	20.42	20.20	17.32
18	.....	.....	17.38	.....	11.23	15.18	18.27	20.05	20.49	20.44	20.10	17.30
19	23.60	.....	17.32	11.43	11.73	15.14	18.07	20.05	.....	20.40	19.90	17.25
20	23.45	.....	17.08	.....	11.91	15.28	18.18	20.07	.....	20.48	20.10	17.44
21	23.45	.....	16.93	.....	11.93	15.55	.....	20.07	.....	20.35	20.13	17.30
22	23.35	.....	16.88	.....	11.98	15.53	.....	20.23	.....	20.33	19.65	17.35
23	23.40	.....	14.14	.....	12.23	15.68	.....	20.35	.....	20.48	19.55	17.20
24	23.15	.....	.....	.....	12.42	16.01	.....	20.35	.....	20.50	19.42	17.30
25	22.85	.....	.....	.....	12.53	16.03	.....	20.45	20.95	20.50	19.30	17.22
26	23.00	.....	.....	.....	12.72	15.77	.....	20.53	20.98	20.57	19.17	17.58
27	22.75	.....	.....	10.44	12.71	16.00	18.30	20.57	21.02	20.45	19.23	17.45
28	22.20	.....	.....	10.44	12.58	15.90	18.37	20.70	20.98	20.50	19.25	17.25
29	22.40	.....	12.67	10.21	12.82	16.19	18.44	20.85	20.95	20.55	19.20	17.40
30	22.25	.....	12.68	9.95	12.79	16.39	18.55	20.75	21.08	20.50	19.05	17.45
31	22.20	.....	12.46	.....	13.26	.....	18.63	20.75	.....	20.40	.....	17.83

Seneca County

Se-1. City of Green Springs. Lat. 41°13'15", long. 83°03'18". Drilled unused well in limestone, diameter 10 inches, depth 88 feet. Highest water level 25.20, June 3, 1947; lowest 34.40, Oct. 11, 1946. 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	32.92	31.50	31.40	31.30	30.60	32.60	32.10	31.65	31.90	31.50	31.60	31.05
2	32.92	31.80	31.50	31.50	30.80	32.60	31.10	31.65	31.70	32.25	31.75	30.95
3	32.89	32.00	31.60	31.20	30.90	32.30	31.60	31.55	31.70	31.50	31.60	29.50
4	32.75	32.00	31.90	31.00	31.00	32.60	31.60	31.90	31.95	31.50	31.60	30.35

Se-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	32.62	32.00	31.50	30.80	31.30	32.10	31.00	31.70	31.80	30.95	32.20	31.25
6	32.71	32.10	31.50	31.20	31.30	31.70	31.40	31.65	31.65	31.45	32.45	30.90
7	32.87	32.00	31.50	31.60	31.60	31.20	31.60	32.00	31.80	31.75	31.50	30.25
8	32.20	32.00	31.40	31.30	31.70	31.30	31.50	32.30	31.90	31.30	31.60	30.20
9	32.40	32.70	31.50	31.40	31.60	31.30	31.40	31.50	32.00	31.20	.....	30.70
10	31.80	32.70	31.70	31.60	31.70	31.10	31.30	31.80	32.95	31.30	.....	30.80
11	32.20	32.80	31.50	31.20	31.70	31.40	31.60	31.55	31.70	31.40	.....	30.95
12	32.40	32.44	31.40	31.30	31.60	31.30	31.80	31.85	31.85	31.25	31.00	30.80
13	32.00	31.70	31.40	31.30	31.60	31.20	31.20	31.60	31.35	31.15	31.20	30.55
14	32.00	30.30	31.70	31.40	31.64	31.50	31.20	31.85	31.75	31.25	31.60	31.00
15	32.24	30.50	31.70	31.40	31.50	32.00	31.10	31.70	31.55	31.05	31.45	31.35
16	31.95	31.00	31.70	31.60	31.30	32.50	32.00	31.80	31.55	31.70	31.50	31.05
17	31.95	31.30	31.60	31.60	31.30	32.70	31.70	31.90	31.95	31.50	31.60	31.60
18	32.35	31.20	.....	31.40	31.50	31.40	31.20	31.70	31.60	31.35	31.75	31.45
19	32.25	31.30	31.60	31.70	31.50	32.10	31.30	31.50	31.55	31.40	31.60	31.25
20	32.60	31.80	31.70	31.60	31.60	32.10	31.00	31.55	31.55	31.35	30.90	31.45
21	32.40	31.40	31.40	31.50	31.60	32.40	31.30	31.85	31.45	31.40	31.05	31.45
22	32.20	31.00	31.20	31.50	31.70	31.60	31.40	31.90	30.75	30.30	30.75	30.90
23	32.30	31.30	31.40	31.40	32.20	32.70	31.50	31.60	31.50	31.60	30.95	30.90
24	31.70	31.50	31.50	30.80	32.50	31.70	31.40	31.90	31.35	31.50	31.00	31.20
25	31.80	31.70	31.60	30.80	32.10	31.20	31.80	32.20	31.70	31.40	31.40	31.20
26	31.30	31.70	31.50	31.10	32.00	31.40	31.90	32.15	31.80	31.50	31.70	31.25
27	31.70	31.90	31.40	31.20	31.50	31.50	31.70	31.65	31.30	31.40	31.10	31.20
28	31.80	31.30	30.90	31.40	31.70	31.80	31.70	32.15	31.05	31.55	31.20	31.15
29	31.73		31.20	31.40	32.30	31.70	31.90	32.10	31.60	31.25	31.20	31.25
30	32.00		31.60	30.90	32.60	32.50	31.60	32.05	31.80	31.75	30.90	31.30
31	32.10		31.40		32.50		31.70	32.15		31.80		31.10

Shelby County

Sh-1. John Wenger. Lat. 40°26'15", long. 84°12'06". Drilled unused well in limestone, diameter 4 inches, depth 120 feet. Highest water level 10.67, Feb. 15, 1950; lowest 14.61, Dec. 4, 1946. 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	14.43	11.94	11.75	11.58	11.72	12.56	12.76	13.18	13.38	13.45	13.15	12.20
2	14.39	12.04	11.91	11.63	11.56	12.61	12.76	13.21	13.38	13.50	13.14	.....
3	14.27	12.21	12.02	11.62	11.54	12.61	12.76	13.25	13.39	13.50	13.17	.....
4	13.82	12.28	12.08	11.59	11.56	.....	12.74	13.26	13.45	13.47	13.17	.....
5	13.45	12.32	12.08	11.35	11.59	.....	12.74	13.30	13.47	13.47	13.13	11.30
6	13.21	12.31	12.13	11.32	11.70	11.86	12.75	13.31	13.47	13.47	13.15	11.31
7	12.87	12.35	12.13	11.35	11.88	11.97	12.80	13.34	13.48	13.47	13.19	11.31
8	12.88	12.38	12.04	11.42	11.97	12.05	12.86	13.36	13.47	13.46	13.19	10.95
9	12.85	12.17	12.19	11.51	11.97	12.10	12.87	13.36	13.45	13.27	12.89	11.06
10	12.78	11.82	12.24	11.51	12.01	12.10	12.90	13.34	13.45	12.96	12.60	11.19
11	12.37	11.65	12.24	11.26	12.05	12.12	12.91	13.36	13.45	12.79	.....	11.32
12	12.37	11.73	12.12	11.18	12.06	12.18	12.92	13.39	13.43	12.62	.....	11.47
13	12.31	11.73	11.99	11.28	12.06	12.15	12.91	13.42	13.43	12.75	.....	11.59
14	12.13	11.11	11.51	11.39	12.06	12.22	12.92	13.43	13.43	12.78	12.67	11.70
15	12.14	10.67	11.91	11.50	12.07	12.28	12.97	13.43	13.44	12.91	12.67	11.77
16	11.85	10.75	11.50	11.55	12.15	12.28	12.99	13.46	13.46	12.95	12.66	11.87
17	11.86	10.98	11.87	11.57	12.20	12.37	12.99	13.47	13.52	12.99	12.71	.....
18	11.88	11.07	11.81	11.60	12.24	12.41	13.00	13.47	13.54	12.99	12.72	12.11
19	12.13	11.26	11.88	11.66	12.25	12.40	13.02	13.32	13.53	12.99	12.70	12.22
20	12.31	11.43	11.88	11.71	12.31	12.38	13.00	13.31	13.48	12.99	12.56	12.21
21	12.34	11.44	11.77	11.80	12.34	12.45	13.05	13.32	13.47	12.99	12.13	12.22
22	12.35	11.39	11.58	11.85	12.33	12.51	13.08	13.32	13.40	12.99	11.92	12.24
23	12.39	11.27	11.40	11.85	12.32	12.51	13.09	13.33	13.38	13.05	11.91	12.24
24	12.39	11.38	11.41	11.82	12.36	12.62	13.10	13.37	13.44	13.07	12.03	12.24
25	11.83	11.52	11.55	11.75	12.38	12.54	13.13	13.37	13.45	13.10	12.04	12.26
26	11.66	11.66	11.57	11.74	12.45	12.58	13.14	13.32	13.46	13.12	11.73	12.31
27	11.45	11.75	11.53	11.81	12.47	12.64	13.13	13.42	13.45	13.12	12.03	12.40
28	11.45	11.76	11.30	11.90	12.47	12.66	13.15	13.43	13.46	13.08	12.07	12.40
29	11.47		11.35	11.94	12.48	12.66	13.15	13.42	13.46	13.11	12.14	12.38
30	11.70		11.54	11.94	12.49	12.69	13.17	13.38	13.46	13.13	12.18	12.37
31	11.82		11.58		12.49		13.21	13.38		13.13		12.44

Stark County

St-1. Republic Steel Corp. Oberlin Ave., Massillon. Drilled unused well in gravel diameter 6 inches, depth 48 feet. Highest water level 41.7, June 16, 1947; lowest 53.2, Feb. 21, 1945. Records available: 1942-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	47.41	46.51	46.80	46.58	46.97	47.22	48.03	49.28	50.15	50.90	51.47
2	.....	47.45	46.58	46.82	46.57	47.00	47.18	48.10	49.32	50.17	50.94	51.47
3	49.27	47.48	46.61	46.73	46.60	47.02	47.20	48.15	49.36	50.22	50.97	51.42
4	49.30	47.52	46.61	46.80	46.63	47.02	47.24	48.19	47.37	50.26	51.00	51.35
5	49.30	47.52	46.60	46.80	46.66	46.87	47.27	48.23	49.39	50.30	51.01	51.24
6	49.27	47.40	46.63	46.78	46.69	46.97	47.31	48.23	49.43	50.35	51.02	51.10
7	49.23	47.46	46.63	46.75	.....	47.02	47.35	48.26	49.46	50.38	51.04	51.04
8	49.15	47.47	46.65	46.73	.....	47.07	47.35	48.31	49.50	50.40	51.06	50.99
9	49.03	47.50	46.71	46.70	46.68	47.10	47.37	48.33	49.54	50.42	51.09	50.93
10	48.97	47.50	46.73	46.67	46.73	47.10	47.37	48.41	49.55	50.47	51.11	50.85
11	48.91	47.46	46.73	46.63	46.75	47.07	47.39	48.50	49.57	50.50	51.14	50.76
12	48.78	47.45	46.72	46.66	46.76	46.97	.....	48.50	49.60	50.53	51.15	50.71
13	48.63	47.38	46.68	46.71	46.75	47.00	47.38	48.53	49.61	50.57	51.16	50.70
14	48.50	47.35	46.63	46.75	46.68	47.65	47.52	48.53	48.65	50.60	51.17	50.70
15	48.42	47.22	46.70	46.71	46.61	47.08	47.54	48.60	49.68	50.62	51.19	50.73
16	48.29	47.04	46.73	46.77	46.69	47.10	47.54	48.65	49.70	50.58	51.21	50.73
17	48.17	46.83	46.74	46.70	46.73	47.15	47.55	48.68	49.73	50.57	51.25	50.73
18	47.95	46.72	46.81	46.78	46.76	47.15	47.60	48.75	49.74	50.68	51.27	50.73
19	47.84	46.63	46.83	46.84	46.79	47.14	47.60	48.80	49.80	50.60	51.27	50.75
20	47.75	46.60	46.81	46.88	46.82	47.19	47.65	48.80	49.83	50.64	51.28	50.80
21	47.70	46.58	46.84	46.93	46.83	47.23	47.65	48.83	49.85	50.66	51.28	50.83
22	47.67	46.55	46.81	46.95	46.83	47.27	47.72	48.85	49.86	50.67	51.27	50.87
23	47.64	46.53	46.80	46.90	46.87	47.30	47.73	48.88	49.91	50.69	51.28	50.88
24	47.62	46.52	46.78	46.75	46.89	47.34	47.77	48.94	49.92	50.71	51.31	50.89
25	47.60	46.53	46.86	46.76	46.92	47.33	47.83	48.98	49.92	50.73	51.34	50.88
26	47.56	46.52	46.87	46.75	46.92	47.14	47.88	49.04	49.99	50.76	51.38	50.85
27	47.55	46.48	46.77	46.71	46.92	47.13	47.92	49.05	50.02	50.80	51.43	50.89
28	47.50	46.46	46.71	46.72	46.92	47.13	47.92	49.10	50.06	50.82	51.43	50.94
29	47.43	.....	46.75	46.72	46.87	47.17	48.00	49.15	50.10	50.83	51.43	51.04
30	47.38	.....	46.76	46.68	46.89	47.20	48.00	49.18	50.13	50.85	51.45	51.14
31	47.41	.....	46.78	.....	46.91	.....	48.01	49.25	.....	50.88	.....	51.18

St-3. Ohio Power Co. Second and Savannah Sts., Canton. Drilled unused well in gravel, diameter 5 inches, depth 40 feet. Highest water level 33.70, Oct. 30, 1939; lowest 59.20, Feb. 23, 1945. Records available: 1939-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.78	42.55	42.31	42.09	.....	40.40	40.20	39.99	39.79
2	42.77	42.54	42.30	42.08	.....	40.39	40.20	39.98	39.79
3	42.77	42.53	42.30	42.07	.....	40.38	40.19	39.98	39.78
4	42.76	42.52	42.29	42.06	.....	40.37	40.18	39.97	39.77
5	42.74	42.51	42.28	42.05	.....	40.36	40.17	39.96	39.76
6	42.73	42.50	42.28	42.04	.....	40.36	40.17	39.95	39.75
7	42.72	42.50	42.27	42.04	.....	40.35	40.16	39.95	39.75
8	42.71	42.48	42.26	42.03	.....	40.36	40.15	39.94	39.74
9	42.71	42.48	42.25	42.02	.....	40.36	40.15	39.93	39.73
10	42.70	42.48	42.25	42.01	.....	40.35	40.14	39.93	39.73
11	42.69	42.47	42.24	42.00	.....	40.34	40.13	39.92	39.78
12	42.69	42.46	42.23	42.00	.....	40.33	40.12	39.91	39.69
13	42.68	42.46	42.22	41.99	.....	40.33	40.12	39.90	39.68
14	42.67	42.45	42.21	41.98	.....	40.32	40.10	39.90	39.68
15	42.66	42.44	42.21	41.97	.....	40.32	.....	39.89	39.67
16	42.66	42.43	42.20	41.96	.....	40.32	.....	39.88	39.66
17	42.65	42.43	42.19	41.95	.....	40.31	.....	39.88	39.65
18	42.64	42.42	.....	41.94	.....	40.30	.....	39.87	39.65
19	42.64	42.41	.....	41.94	.....	40.29	.....	39.87	39.64
20	42.64	42.40	.....	41.93	.....	40.28	.....	39.87	39.63
21	42.63	42.40	.....	41.91	.....	40.27	.....	39.86	39.63
22	42.62	42.39	.....	41.90	.....	40.27	.....	39.86	39.61
23	42.61	42.38	42.15	41.89	.....	40.26	40.04	39.85	39.61
24	42.61	42.34	42.15	41.88	.....	40.25	40.04	39.85	39.60
25	42.60	42.34	42.14	41.87	.....	40.25	40.03	39.83	39.59
26	42.59	42.33	42.13	41.86	.....	40.24	40.02	39.83	39.59

St-3--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	Aug.	Sept.	Oct.	Nov.	Dec.
27	42.59	42.32	42.12	41.85	.....	40.23	40.02	39.82	39.58
28	42.58	42.31	42.11	.....	.....	40.23	40.01	39.82	39.57
29	42.57		42.11	.....	.....	40.23	40.01	39.81	39.56
30	42.56		42.10	.....	.....	40.21	40.00	39.80	39.55
31	42.55		42.09		40.41		40.00		39.54

St-4. Adessi Bros. Lat. 40°51'00", long. 81°20'00". Drilled unused well in gravel, diameter 4 inches, depth 190 feet. Highest water level 7.60, June 9, 1947; lowest 22.00, Feb. 2, 1942. 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	.....	12.07	9.54	8.83	8.95	10.66	9.33	10.75	11.81	12.57	13.56	.....
2	18.64	12.13	9.65	8.90	8.91	10.70	9.43	10.81	11.85	12.57	13.61	.....
3	18.65	12.16	9.71	8.96	8.99	10.76	9.49	10.86	11.85	12.59	13.64	.....
4	18.65	12.22	9.74	8.96	9.06	10.76	9.53	10.89	11.92	12.60	13.67	12.97
5	18.58	12.23	9.75	8.90	9.11	10.59	9.51	10.93	11.96	12.61	13.73	12.60
6	18.34	12.26	9.81	8.25	9.23	10.71	9.58	10.97	11.99	12.63	13.78	12.40
7	18.03	12.35	9.80	8.20	9.35	10.77	9.65	11.00	12.02	12.65	13.78	12.37
8	17.22	12.35	9.82	8.30	9.40	10.84	9.71	11.20	12.05	12.72	13.83	12.27
9	16.91	12.30	9.89	8.37	9.40	10.89	9.78	11.06	12.08	12.78	13.89	11.87
10	16.80	11.97	9.91	8.40	9.47	10.90	9.83	11.08	12.12	12.81	13.92	11.87
11	16.43	11.72	9.88	8.51	9.47	10.61	9.89	11.13	12.18	12.83	13.96	11.94
12	15.52	11.71	9.91	8.59	9.50	10.38	9.93	11.16	12.18	12.88	13.99	12.05
13	15.17	11.70	9.84	8.71	9.55	10.46	10.01	11.19	12.06	12.93	14.00	12.15
14	14.93	11.43	9.85	8.80	9.61	10.58	10.07	11.22	11.94	12.97	14.03	12.24
15	14.53	.....	9.82	8.87	9.77	10.64	10.12	11.24	11.94	13.02	14.06	12.33
16	14.34	10.10	9.81	8.91	9.80	10.71	10.17	11.28	12.01	13.04	14.10	12.41
17	13.74	10.09	9.79	8.96	9.85	10.71	10.19	11.32	12.07	13.06	14.14	12.49
18	13.34	10.09	9.87	9.03	9.88	10.58	10.25	11.35	12.11	13.09	14.17	12.57
19	13.30	10.10	9.90	9.12	9.94	10.61	10.27	11.35	12.16	13.10	14.21	12.64
20	13.32	10.12	9.87	9.16	10.01	10.69	10.33	11.37	12.19	13.14	14.24	12.73
21	13.31	10.11	9.82	9.26	10.05	10.79	10.38	11.39	12.21	13.16	14.20	12.77
22	13.35	10.04	9.80	9.30	10.12	10.84	10.42	11.42	12.24	13.21	14.00	12.85
23	13.37	9.71	9.69	9.33	10.17	10.89	10.47	11.47	12.28	13.26	14.03	12.89
24	13.33	9.38	9.31	9.31	10.22	10.94	10.51	11.51	12.34	13.29	14.09	12.97
25	13.03	9.36	.....	9.15	10.30	10.86	10.54	11.54	12.39	13.34	14.09	13.02
26	12.73	9.40	.....	9.12	10.35	9.19	10.58	11.57	12.41	13.38	14.15	13.11
27	12.40	9.48	8.77	8.81	10.36	8.81	10.61	11.61	12.45	13.40	14.18	.....
28	12.07	9.48	8.58	8.89	10.42	8.52	10.63	11.65	12.49	13.44	.....	.....
29	12.02		8.72	8.95	10.46	9.06	10.67	11.69	12.52	13.48	.....	.....
30	12.04		8.78	8.97	10.50	9.21	10.73	11.73	12.55	13.51	.....	.....
31	12.06		8.81		10.58		10.76	11.77		13.53		.....

St-5A. City of Canton. 30th St. and Harrisburg Rd. N. E., Canton. Drilled unused well in gravel, diameter 12 inches, depth 132 feet. The record for this well may be used as a continuation of the record for well St-5. 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	40.85	36.62	29.90	32.17	32.82	35.51	32.52	30.85	32.65	32.48	36.61	38.67
2	41.33	36.47	29.30	31.47	33.03	35.70	31.77	30.67	32.55	33.11	36.67	38.63
3	41.35	36.38	28.88	31.84	33.17	35.45	32.22	30.92	32.72	33.20	36.00	38.83
4	41.43	35.35	28.52	32.07	33.29	34.88	32.28	30.44	32.38	32.58	35.84	39.00
5	41.46	35.14	28.13	32.24	33.35	34.10	32.20	30.25	31.37	32.48	.....	39.13
6	41.45	34.97	27.75	32.35	33.47	33.85	32.59	30.01	31.43	32.53	36.55	38.78
7	41.33	35.17	27.57	32.38	33.58	34.04	32.77	30.86	31.45	32.51	.....	38.87
8	41.26	35.18	27.25	32.38	33.45	34.16	32.07	31.80	32.34	32.52	.....	.....
9	39.82	35.16	27.07	32.03	33.59	34.32	31.58	32.05	32.66	33.61	.....	.....
10	40.16	35.15	26.92	32.14	33.72	34.43	30.85	31.83	32.30	34.12	.....	39.10
11	40.13	35.06	27.00	32.17	33.81	33.64	30.92	30.83	32.93	34.18	.....	39.11
12	39.95	35.02	27.74	32.33	33.85	33.21	30.83	30.68	32.80	33.63	.....	39.08
13	39.62	33.50	29.02	32.45	33.93	34.07	31.41	30.42	32.51	33.52	38.10	39.03
14	39.42	33.67	29.53	32.46	33.94	34.16	31.04	30.75	32.59	33.47	38.25	39.20
15	39.22	33.60	29.16	32.33	33.67	33.55	29.95	31.58	32.70	34.00	38.25	39.10
16	39.02	33.63	29.00	32.42	33.98	33.91	29.92	32.10	32.63	34.76	37.23	38.25
17	39.00	33.16	28.66	32.23	34.19	33.93	30.13	32.25	32.75	34.80	37.50	38.00
18	38.80	32.92	28.78	32.46	34.36	33.08	30.29	32.78	32.47	34.03	37.18	38.30

St-5A--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19	38.61	32.62	29.28	32.60	34.49	33.11	30.46	32.75	32.32	34.08	37.52	38.70
20	38.46	32.55	30.06	32.69	34.40	33.15	30.57	32.19	32.68	34.25	38.12	38.95
21	38.13	32.47	30.54	32.81	34.43	33.09	30.68	31.35	33.07	33.98	38.75	39.08
22	37.80	32.09	30.83	32.87	34.30	33.39	31.00	31.43	32.80	34.70	38.57	39.20
23	37.05	31.95	31.15	32.88	34.65	33.93	30.70	31.82	32.62	34.95	38.78	39.38
24	37.20	31.81	31.36	32.52	34.60	34.07	30.53	32.42	32.59	35.54	38.69	39.40
25	37.03	31.68	31.43	32.77	34.93	34.29	30.47	32.48	32.33	35.65	38.79	38.25
26	37.10	31.50	31.20	32.92	34.97	34.42	29.89	32.82	32.46	36.10	38.67	38.90
27	36.88	31.33	31.53	33.05	35.18	34.29	29.94	32.92	32.50	.....	38.36	38.94
28	36.82	31.00	31.78	33.16	35.01	33.26	30.68	32.83	32.95	.....	37.98	37.60
29	36.54		32.00	33.23	35.02	32.73	30.61	33.21	33.11	.....	38.36	37.30
30	36.62		32.12	33.17	35.20	32.38	30.08	32.93	32.30	36.36	38.07	37.10
31	36.65		32.17		35.10		30.70	32.98		36.36		36.90

St-6. City of Canton. Ninth St. Pumping Station. Drilled unused well in gravel, diameter 12 inches, depth 80 feet. Highest water level 3.63, Dec. 4, 1950; lowest 33.10, Feb. 21, 1945. 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	.....	7.91	7.62	6.23	5.00	4.55	4.20	5.24	5.80	5.57	4.54	.....
2	8.21	7.92	7.63	6.14	4.98	4.68	4.16	5.26	5.82	5.46	4.51	.....
3	8.23	7.93	7.65	6.09	4.97	4.85	4.09	5.31	5.83	5.37	4.49	.....
4	8.23	7.95	7.66	6.03	4.95	4.93	3.95	5.35	5.88	5.29	4.46	3.63
5	8.25	7.95	7.66	5.93	4.93	5.10	3.90	5.89	5.91	5.24	4.42	3.76
6	8.25	7.95	7.66	5.84	4.91	5.24	3.85	5.41	5.93	5.19	4.42	3.85
7	8.21	7.95	7.65	5.84	4.95	5.34	3.98	5.44	5.94	5.15	4.43	4.04
8	8.19	7.96	7.64	5.81	4.98	5.42	4.19	5.45	5.94	5.10	4.00	4.18
9	8.20	7.96	7.61	5.79	4.93	5.48	4.33	5.47	5.94	5.02	4.35	4.16
10	8.20	7.95	7.63	5.76	4.84	5.48	4.42	5.47	5.94	4.93	4.38	3.96
11	8.13	7.94	7.63	5.68	4.81	5.40	4.49	5.51	5.94	4.91	4.40	3.87
12	7.97	7.94	7.63	5.65	4.80	5.43	4.57	5.54	5.93	4.86	4.41	3.80
13	7.97	7.94	7.66	5.62	4.76	5.47	4.59	5.56	5.87	4.88	4.38	3.79
14	7.97	7.88	7.67	5.60	4.73	5.53	4.65	5.56	5.87	4.88	4.39	3.80
15	7.97	7.64	7.67	5.59	4.69	5.57	4.72	5.55	5.90	4.83	4.37	3.79
16	7.96	7.55	7.68	5.56	4.71	5.60	4.77	5.57	5.95	4.85	4.33	3.81
17	7.94	7.57	7.54	5.51	4.71	5.65	4.81	5.59	6.00	4.84	4.32	3.81
18	7.91	7.58	7.42	5.47	4.69	5.66	4.85	5.59	6.03	4.81	4.32	3.81
19	7.91	7.59	7.41	5.44	4.68	5.65	4.87	5.57	6.03	4.77	4.29	.....
20	7.93	7.61	7.21	5.40	4.67	5.68	4.91	5.54	6.03	4.73	4.24	.....
21	7.95	7.62	7.01	5.36	4.67	5.73	4.98	5.58	6.03	4.73	4.20	.....
22	7.95	7.62	6.90	5.35	4.65	5.76	5.03	5.61	6.03	4.69	4.22	.....
23	7.97	7.57	6.75	5.31	4.62	5.79	5.05	5.65	6.04	4.69	4.21	.....
24	7.97	7.56	6.63	5.23	4.60	5.81	5.08	5.67	6.09	4.69	4.23	.....
25	7.97	7.59	6.56	5.13	4.59	.....	5.11	5.70	6.10	4.68	4.22	3.85
26	7.96	7.61	6.54	5.08	4.60	3.96	5.13	5.73	6.13	4.69	4.08	3.82
27	7.96	7.63	6.39	5.08	4.60	4.17	5.18	5.74	6.14	4.69	4.13	4.19
28	7.95	7.63	6.27	5.11	4.59	4.22	5.19	5.74	6.15	4.64	.....	4.32
29	7.92		6.29	5.11	4.56	4.22	5.20	5.74	5.92	4.62	.....	4.42
30	7.90		6.31	5.08	4.55	4.21	5.24	5.77	5.70	4.61	.....	4.50
31	7.90		6.30		4.52		5.26	5.79		4.57		4.60

St-7. City of Canton. In Grovemiller well field. Drilled well in gravel, diameter 2 inches. Highest water level 65.74, Dec. 11, 1950; lowest 97.3, Apr. 2, 1945. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	70.89	Apr. 10	68.64	July 10	67.12	Oct. 2	66.13
9	70.87	17	68.40	17	68.24	9	65.90
16	71.23	24	67.25	24	66.77	16	66.15
23	70.87	May 1	68.15	31	66.70	23	66.02
Feb. 6	70.28	8	68.00	Aug. 7	66.62	30	65.97
13	70.24	15	67.65	14	66.73	Nov. 6	65.99
20	70.25	22	67.50	21	67.65	13	66.04
27	70.00	29	67.34	28	66.67	20	65.88
Mar. 6	69.80	June 5	67.17	Sept. 4	66.75	Dec. 2	65.79
13	69.85	12	67.10	11	66.72	11	65.74
20	69.23	19	66.80	18	66.39	18	65.85
27	69.40	26	66.64	25	66.23	25	65.91
Apr. 3	69.92	July 3	67.06				

St-8. City of Canton. In Grovemiller well field. Drilled well in gravel, diameter 2 inches. Highest water level 63.70, Nov. 20, 1950; lowest 97.0, Mar. 16, 1945. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	69.82	Apr. 3	67.72	July 3	66.19	Oct. 2	64.94
9	69.79	10	67.57	10	66.29	9	64.75
16	69.70	17	67.29	17	66.07	16	65.90
23	69.55	24	67.03	24	65.98	22	64.73
30	69.50	May 1	66.91	31	65.88	30	64.75
Feb. 6	69.25	8	66.80	Aug. 2	65.90	Nov. 6	64.70
13	69.20	15	66.46	14	65.86	13	64.82
20	68.50	22	66.36	21	65.80	20	63.70
27	68.66	29	66.13	28	65.45	Dec. 2	64.73
Mar. 6	68.23	June 5	66.00	Sept. 4	65.85	11	64.59
13	68.25	12	65.87	11	65.85	18	64.65
20	68.18	19	65.69	18	65.46	25	64.69
27	67.86	26	65.59	25	65.00		

St-9. City of Canton. In Grovemiller well field. Drilled well in gravel, diameter 2 inches. Highest water level 79.11, Dec. 11, 1950; lowest 112.6, Oct. 22, 1945. Records available: 1944-50.

Jan. 2	83.89	Apr. 3	82.25	July 3	81.26	Oct. 2	79.50
9	84.20	10	82.02	10	80.24	9	79.18
16	84.59	17	81.80	17	80.04	16	79.54
23	84.03	24	81.60	24	79.96	23	79.40
30	84.25	May 1	81.58	31	79.86	30	79.32
Feb. 6	83.63	8	81.53	Aug. 7	79.98	Nov. 6	79.36
13	83.60	15	81.07	14	79.88	13	79.40
20	83.68	22	80.85	21	79.83	20	79.22
27	83.45	29	80.74	28	79.82	Dec. 2	79.00
Mar. 6	83.22	June 5	80.58	Sept. 4	79.98	11	79.11
13	82.80	12	80.50	11	79.15	18	79.21
20	81.66	19	80.20	18	79.75	25	79.24
27	82.20	26	80.02	25	79.62		

St-10. City of Canton. Lat. 45°48'40", long. 81°27'36". Drilled unused well in gravel, diameter 12 inches, depth 188 feet. Highest water level +0.40, June 27, 1950; lowest 10.20, Dec. 21, 1945. Records available: 1944-50.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-2.62	-0.61	-0.02	-0.18	-0.15	-0.60	+0.33	-0.54	-1.01	-1.34	-1.54	....
2	2.61	.64	.11	.20	.10	.62	+0.30	.56	1.02	1.34	1.56	....
3	2.56	.67	.16	.20	.06	.60	+0.30	.58	1.03	1.32	1.56	....
4	2.53	.70	.18	.17	.09	.61	+0.26	.59	1.06	1.33	1.54	-1.03
5	2.51	.71	.21	-1.10	.11	.58	+0.22	.62	1.07	1.34	1.58	1.01
6	2.43	.73	.27	+0.01	.17	.62	+0.17	.65	1.08	1.35	1.60	.98
7	2.25	.79	.27	+0.04	.23	.63	+0.11	.68	1.09	1.35	1.60	.94
8	2.15	.80	.33	+0.08	.27	.65	+0.07	.67	1.09	1.35	1.59	.85
9	2.05	.73	.40	+0.07	.24	.65	+0.02	.68	1.10	1.35	1.62	.76
10	2.02	.72	.43	+0.09	.29	.63	-0.01	.69	1.11	1.38	1.62	.70
11	1.82	.70	.42	+0.06	.30	.51	.05	.73	1.13	1.38	1.62	.68
12	1.67	.71	.45	+0.03	.29	.50	.07	.74	1.13	1.39	1.63	.68
13	1.57	.69	.46	-0.01	.29	.47	.11	.76	1.13	1.41	1.63	.70
14	1.47	.54	.48	.05	.30	.50	.14	.78	1.13	1.41	1.62	.72
15	1.44	.33	.48	.07	.30	.52	.17	.78	1.15	1.42	1.61	.76
16	1.32	.18	.48	.09	.30	.51	.20	.80	1.17	1.44	1.61	.78
17	1.19	.11	.48	.07	.31	.57	.20	.82	1.19	1.45	1.63	.82
18	1.03	.08	.56	.12	.35	.60	.22	.82	1.22	1.45	1.63	.85
19	1.02	.09	.59	.12	.38	.58	.24	.83	1.22	1.44	1.62	.86
20	1.02	.11	.53	.12	.40	.61	.27	.85	1.23	1.46	1.60	.90
21	1.00	.10	.52	.17	.42	.65	.31	.88	1.23	1.46	1.58	.90
22	.99	-.06	.51	.19	.44	.65	.33	.90	1.21	1.46	1.56	.93
23	1.00	+0.04	.42	.18	.46	.66	.35	.93	1.26	1.48	1.55	.92
24	.99	+0.08	.38	.19	.47	.66	.37	.94	1.28	1.49	1.58	.96
25	.90	+0.01	.34	.19	.49	.12	.40	.96	1.29	1.50	1.56	.99
26	.83	+0.06	.31	.20	.51	+0.35	.42	.97	1.30	1.51	1.47	1.04
27	.75	+0.02	.21	.14	.54	+0.40	.43	.98	1.31	1.51	1.48	1.03
28	.64	+0.02	.17	.15	.53	+0.40	.45	.98	1.32	1.52	....	1.02
29	.57		.24	.15	.55	+0.38	.48	.99	1.32	1.54	....	1.04
30	.62		.26	.16	.55	+0.35	.50	1.00	1.33	1.54	....	1.06
31	.61		.21		.57		.53	1.00		1.53		1.10

St-11. City of Canton. Lat. 40°51'02", long. 81°24'03". Drilled unused well in gravel, diameter 6 inches, depth 87 feet. 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	.....	22.26	26.13	21.06	18.37	20.42	22.28	19.76	21.17	26.40	30.39	.....
2	.....	22.38	26.88	21.10	18.39	20.47	20.44	19.80	21.22	26.13	31.10	.....
3	.....	22.45	.....	21.10	18.32	20.50	19.76	19.83	21.23	26.85	31.71	.....
4	32.14	22.55	.....	21.05	18.41	20.50	19.37	19.88	21.31	27.34	31.89	24.91
5	31.68	22.63	27.57	20.80	18.48	20.22	.....	19.93	21.37	27.74	30.90	26.61
6	31.74	22.75	28.10	19.51	18.55	20.39	.....	19.98	21.40	28.13	34.11	26.92
7	29.93	22.83	28.48	19.51	18.61	20.53	.....	20.04	21.45	28.46	28.27	22.68
8	28.31	22.87	28.76	19.65	18.73	20.61	.....	20.07	21.50	28.54	31.06	22.68
9	28.02	22.88	28.98	19.72	18.76	20.65	.....	20.09	21.54	25.72	31.48	22.24
10	28.02	22.37	29.27	19.75	18.80	20.65	19.08	20.14	21.58	27.90	31.83	22.42
11	27.37	21.99	29.50	19.79	18.70	20.17	19.04	20.20	21.62	28.64	28.44	22.60
12	.....	22.00	19.05	19.81	18.66	20.04	19.07	20.24	21.60	29.05	27.85	22.75
13	.....	22.01	21.95	19.87	18.75	20.12	19.10	20.27	21.10	29.47	27.80	22.88
14	.....	22.81	22.05	19.97	18.81	20.28	19.12	20.35	21.08	29.61	31.18	25.80
15	.....	22.79	22.09	19.98	18.93	20.39	19.15	20.37	21.20	26.80	32.20	26.90
16	.....	.....	26.70	19.98	19.04	20.45	19.16	20.40	21.31	28.78	29.85	27.40
17	.....	.....	27.30	20.64	19.12	20.50	19.23	20.47	21.39	29.60	32.10	24.85
18	23.01	.....	27.52	20.10	19.12	20.38	19.28	22.58	21.45	30.04	32.20	24.57
19	23.20	.....	23.80	20.15	19.17	20.45	19.28	20.61	21.55	30.40	28.72	24.52
20	23.35	.....	23.72	20.15	19.30	20.58	19.33	20.55	21.61	30.77	28.37	24.55
21	23.49	.....	23.22	20.10	19.36	20.62	19.38	20.63	21.66	31.04	31.11	24.57
22	23.65	18.87	23.12	20.13	19.56	17.69	19.40	20.68	21.70	28.67	31.43	24.60
23	23.78	18.67	22.92	20.11	19.70	17.86	19.41	20.73	21.78	27.70	28.04	24.60
24	23.80	22.80	22.35	19.92	19.72	17.96	19.44	20.78	21.83	27.47	27.74	24.60
25	23.58	22.75	22.00	.....	19.82	17.85	19.48	20.82	21.91	27.27	27.63	24.64
26	22.80	22.64	21.70	.....	19.91	18.79	19.51	20.88	21.97	27.11	27.52	24.75
27	22.43	22.72	21.25	.....	20.00	19.92	19.55	20.90	22.03	30.10	30.80	.....
28	21.94	15.80	20.90	.....	20.02	20.64	19.57	20.99	24.73	30.50	.....	.....
29	22.05	.....	20.91	.....	20.15	21.27	19.61	21.01	25.60	27.23	.....	.....
30	22.07	.....	20.98	.....	20.20	21.81	19.65	21.07	26.18	30.20	.....	.....
31	22.20	.....	21.01	.....	20.30	.....	19.73	21.10	.....	30.57	.....	.....

St-13. City of Canton. Lat. 40°51'00", long 81°24'56". Drilled test well in gravel, diameter 6 inches, depth 20 feet. Highest water level 0.80, June 7, 1947; lowest 7.82, Jan. 4, 1950. 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	....	3.52	2.29	2.12	1.50	2.16	1.97	2.39	2.87	3.05	4.43	....
2	....	3.39	2.37	2.13	1.56	2.18	2.04	2.45	2.84	3.06	4.46	....
3	....	3.38	2.51	2.10	1.61	2.18	2.04	2.50	2.86	3.08	4.51	....
4	7.82	3.35	2.54	2.09	1.64	1.95	1.98	2.54	2.91	3.11	4.56	4.23
5	7.65	3.35	2.54	.....	1.66	2.10	1.93	2.56	2.94	3.16	4.64	4.37
6	7.63	3.27	2.60	.....	1.68	2.19	2.02	2.58	2.95	3.20	4.73	4.45
7	7.36	3.29	2.61	.....	1.74	2.21	2.09	2.62	2.95	3.25	4.78	4.46
8	7.02	3.29	2.63	.....	1.80	2.26	2.13	2.64	2.96	3.30	4.82	....
9	7.01	3.16	2.78	.....	1.79	2.26	2.14	2.64	2.97	3.35	4.86	....
10	7.01	2.90	2.82	1.80	1.76	.....	2.18	2.64	2.97	3.36	4.93	....
11	6.16	2.97	2.84	1.83	1.72	.....	2.22	2.66	3.00	3.40	4.99	4.02
12	6.07	2.98	2.84	1.83	1.74	1.78	.....	2.68	2.70	3.46	5.06	3.98
13	6.02	2.90	2.62	1.85	1.77	1.83	.....	2.69	2.72	3.52	5.10	3.96
14	5.91	2.19	2.56	1.88	1.78	1.90	.....	2.72	2.79	3.57	5.15	3.94
15	5.80	1.96	2.50	1.91	1.81	1.94	2.25	2.72	2.83	3.63	5.19	3.92
16	5.60	2.09	2.54	1.96	1.84	1.97	2.27	2.73	2.87	3.78	5.23	3.92
17	5.18	2.15	2.53	1.96	1.84	1.97	2.27	2.74	2.91	3.7	5.27	3.97
18	5.05	2.15	2.58	1.97	1.81	2.09	2.24	2.75	2.91	3.77	5.32	4.00
19	4.98	2.20	2.59	1.98	1.86	2.11	2.26	2.64	2.90	3.82	5.37	4.01
20	4.93	2.22	2.55	1.95	1.90	2.15	2.28	2.69	2.89	3.88	5.38	4.03
21	4.87	2.20	2.51	1.99	1.92	2.17	2.32	2.75	2.90	3.95	5.32	4.04
22	4.80	2.10	2.51	2.00	1.95	2.17	2.34	2.78	2.90	4.02	5.38	4.04
23	4.70	.....	2.26	2.00	1.94	2.17	2.37	2.80	2.92	4.10	5.42	4.05
24	4.61	.....	2.10	1.80	1.96	2.17	2.37	2.81	2.95	4.15	5.46	4.05
25	4.27	.....	2.22	1.55	1.96	.....	2.37	2.83	2.99	4.19	5.46	4.08
26	4.20	.....	2.22	1.47	1.99	1.42	2.39	2.84	3.00	4.24	5.36	4.09
27	3.80	.....	2.00	1.59	2.03	1.59	2.41	2.86	3.01	4.28	.....	4.10
28	3.74	2.03	2.02	1.65	2.06	1.70	2.42	2.85	3.02	4.33	.....	4.04
29	3.65	.....	2.11	1.66	2.10	1.80	2.45	2.86	3.03	4.36	.....	4.04
30	3.66	.....	2.14	1.66	2.11	1.89	2.49	2.86	3.04	4.38	.....	4.06
31	3.52	.....	2.14	.....	2.14	.....	2.49	2.86	.....	4.40	.....	4.09

St-21. City of Canton. Northwest well field. Drilled test well in gravel, diameter 6 inches, depth 30 feet. Highest water level 0.30, May 6, 1948; lowest 26.9, Dec. 18, 1949. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	17.04	14.05	17.97	10.09	14.95	14.71	14.81	16.16	18.75	22.40	23.03
2	.....	17.13	14.43	13.01	9.92	12.01	14.92	14.85	16.20	18.86	22.87	23.15
3	.....	17.21	14.82	13.00	10.02	12.03	14.72	14.90	16.25	19.33	22.35	22.73
4	.....	17.31	15.03	12.90	10.12	11.92	14.45	14.95	16.32	19.79	23.58	20.59
5	.....	17.36	15.13	12.47	10.16	11.75	14.25	14.98	16.37	20.20	23.40	17.17
6	.....	17.45	15.56	11.10	10.21	11.93	14.14	15.02	16.41	20.56	23.25	18.53
7	.....	17.58	15.92	11.26	10.35	12.03	14.10	15.09	16.45	20.90	23.23	18.49
8	.....	17.61	16.18	11.39	10.41	12.12	14.09	15.12	16.50	21.05	22.92	18.65
9	.....	.....	16.45	11.48	10.45	12.21	14.09	15.15	16.55	20.83	23.23	16.90
10	.....	.....	16.72	11.51	10.49	12.21	14.10	15.19	16.60	20.52	23.47	17.15
11	20.80	.....	17.01	11.56	10.30	11.40	14.12	15.25	16.61	21.02	23.43	17.34
12	.....	.....	16.97	11.61	12.35	11.47	14.13	15.09	16.59	21.43	23.10	17.50
13	.....	.....	15.83	11.67	10.45	11.67	14.18	15.35	16.02	21.78	22.90	17.65
14	.....	.....	15.01	11.73	10.49	11.82	14.21	15.40	16.02	21.92	22.93	17.90
15	.....	14.62	14.87	11.78	10.60	11.92	14.25	15.44	16.13	21.78	23.66	18.78
16	.....	.....	14.88	11.71	10.70	12.01	14.27	15.47	16.24	21.43	23.69	19.30
17	.....	.....	15.43	11.87	10.75	12.02	14.29	15.51	16.32	21.89	23.45	19.30
18	17.87	.....	15.61	11.92	10.73	11.89	14.33	15.64	16.40	22.20	23.80	19.20
19	.....	.....	15.58	11.96	10.77	11.99	14.34	15.64	16.47	.....	23.67	19.10
20	.....	.....	15.47	11.96	10.91	12.10	14.40	15.67	16.52	.....	23.40	19.12
21	18.30	.....	15.45	11.95	11.00	12.37	14.43	15.70	16.57	.....	22.94	19.15
22	18.46	13.48	15.28	11.98	11.09	12.63	14.46	15.75	16.62	.....	22.98	19.16
23	18.57	.....	14.98	11.97	11.15	12.81	14.50	15.80	16.69	22.63	22.87	19.16
24	18.59	.....	14.09	11.56	11.23	12.93	14.55	15.82	16.73	22.50	22.67	19.21
25	18.12	.....	13.65	10.72	11.33	12.55	14.57	15.87	16.77	22.29	22.55	19.23
26	17.53	.....	13.57	10.42	11.42	11.20	14.61	15.91	16.83	22.10	22.47	19.29
27	17.12	.....	13.33	10.08	11.49	11.76	14.65	15.95	16.89	21.95	22.47	.....
28	16.69	.....	12.67	10.28	11.58	12.52	14.68	16.00	17.25	22.37	22.70	.....
29	16.83	.....	12.85	10.35	11.68	13.63	14.31	16.04	17.95	22.29	23.05	.....
30	16.87	.....	12.92	10.35	11.75	14.21	14.76	16.09	18.50	22.20	23.21	.....
31	16.98	.....	12.94	.....	11.85	.....	14.80	16.12	.....	22.47	.....	.....

St-22. City of Canton. Lat. 50°50'56", long. 81°24'42". Drilled test well in gravel, diameter 6 inches, depth 37 feet. Highest water level 15.7, Apr. 15, 1948; lowest 29.35, Jan. 4, 1950. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	23.67	21.47	.....	19.98	20.83	20.88	21.68	22.52	23.45	26.10	.....
2	.....	23.58	21.69	.....	19.94	20.85	20.99	21.71	22.56	23.52	26.19	.....
3	.....	23.56	21.88	21.31	19.88	20.86	20.99	21.74	22.58	23.60	26.38	.....
4	29.35	23.53	21.95	21.30	.....	20.86	21.00	21.77	22.60	23.84	26.37	26.57
5	29.31	23.51	21.97	21.26	19.88	20.80	20.96	21.80	22.64	24.00	26.40	26.30
6	29.21	23.46	22.33	.....	19.96	20.87	20.98	21.84	22.66	24.18	26.45	25.86
7	29.11	23.51	22.48	.....	20.05	20.90	21.01	21.86	22.67	24.33	26.48	25.57
8	28.90	23.51	22.69	.....	20.08	20.93	21.03	21.87	22.70	24.40	26.48	25.29
9	28.62	23.46	22.89	.....	20.01	20.96	21.05	21.89	22.72	24.41	26.55	24.98
10	28.37	23.43	23.02	.....	20.06	20.96	21.05	21.93	22.74	24.42	26.62	24.70
11	28.19	23.33	23.13	20.48	20.07	20.73	21.09	21.97	22.78	24.58	26.64	24.50
12	27.80	23.29	23.07	20.53	20.02	20.67	21.10	22.00	22.76	24.73	26.65	24.33
13	27.31	23.20	22.68	20.53	20.04	20.67	21.15	22.03	22.64	24.88	26.65	24.26
14	26.93	23.09	22.51	20.57	20.06	20.76	21.19	22.06	22.62	24.98	26.66	23.19
15	26.69	22.74	22.45	20.61	20.13	20.79	21.22	22.09	22.62	25.03	26.75	24.34
16	26.46	.....	22.43	20.63	20.17	20.83	21.24	22.12	22.68	25.10	26.81	24.45
17	26.21	.....	22.60	20.66	20.20	20.90	21.28	22.14	22.71	25.21	26.85	24.48
18	25.81	.....	22.71	20.70	20.22	20.89	21.32	22.17	22.72	25.34	26.91	24.52
19	25.56	.....	22.70	20.73	20.25	20.89	21.32	22.18	22.73	25.47	26.92	24.54
20	25.36	.....	22.61	20.74	20.31	20.94	21.38	22.22	22.74	.....	26.92	24.57
21	25.20	.....	22.52	20.75	20.32	20.97	21.41	22.24	22.75	.....	26.90	24.58
22	25.07	21.48	22.49	.....	20.38	20.85	21.44	22.26	22.77	.....	26.86	24.60
23	24.98	21.42	22.40	.....	20.41	20.76	21.46	22.30	22.82	25.85	26.88	24.62
24	24.91	21.18	22.29	20.63	20.45	20.78	21.50	22.32	22.86	25.86	26.84	24.62
25	24.85	21.15	22.12	20.51	20.50	20.46	21.53	22.35	22.88	25.87	26.82	24.69
26	24.70	21.16	22.00	20.39	20.54	19.90	21.55	22.37	22.90	25.88	26.74	24.67
27	24.58	21.20	22.80	20.20	20.58	20.00	21.58	22.38	22.92	25.90	26.70	.....
28	24.32	21.37	.....	.....	20.61	20.22	21.60	22.41	23.02	25.97	.....	.....

St-22--Continued.

Daily lowest water level from recorder graph											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
29	24.02		.....	.....	20.66	20.44	21.63	22.44	23.17	26.00	.....
30	23.88		.....	.....	20.69	20.67	21.67	22.46	23.35	26.02	.....
31	23.72		.....		20.76		21.68	22.48		26.07	.....

Summit County

Su-1. Village of Hudson. Lat. 41°14'20", long. 81°26'00". Drilled unused well in sandstone, diameter 8 inches, depth 100 feet. Highest water level 13.90, Mar. 27, 1949; lowest 26.00, May 20, 1947. 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	.....	21.01	20.70	20.45	20.94	20.95	20.89	20.71	20.92	20.98	21.06 21.03
2	20.71	20.92	21.28	20.42	21.00	21.01	20.80	20.60	20.72	20.99	20.98 20.99
3	20.26	20.99	21.36	20.44	21.10	20.86	20.68	20.58	19.82	20.98	21.40 20.80
4	20.60	21.10	20.90	20.42	21.10	20.85	20.10	20.58	20.48	20.93	20.90 20.90
5	20.72	20.90	20.78	20.57	21.10	20.92	21.58	20.52	20.60	20.92	20.86 21.03
6	20.71	20.78	20.72	20.66	21.14	21.03	20.60	20.49	20.33	20.93	20.92 21.07
7	.....	20.90	20.60	21.10	21.22	21.09	20.65	20.58	20.56	20.93	20.96 20.96
8	20.65	20.79	20.53	20.77	21.23	21.13	20.68	20.62	20.59	20.91	20.91 21.02
9	20.82	20.82	20.77	20.65	21.16	21.12	20.70	20.71	20.62	20.82	20.79 20.75
10	20.65	20.86	20.78	20.47	21.16	21.05	20.74	20.60	19.67	20.81	21.05 21.00
11	21.45	20.97	20.60	20.52	21.16	21.09	20.63	20.60	21.03	20.77	21.10 20.98
12	21.09	20.88	20.60	20.49	21.08	21.12	20.60	20.65	20.91	16.05	20.99 20.93
13	20.84	20.65	20.53	20.53	20.99	21.00	20.62	20.70	20.84	16.51	21.00 20.96
14	21.03	20.38	20.53	20.58	20.98	21.03	20.62	20.86	20.80	16.48	21.00 20.99
15	20.79	20.62	20.60	20.59	20.91	21.01	20.62	21.09	20.81	16.52	20.95 21.00
16	21.32	20.70	20.87	20.52	20.93	20.91	20.58	21.00	20.90	21.35	20.90 20.80
17	21.25	20.77	20.35	20.48	21.00	20.98	20.48	21.12	20.97	21.90	20.92 20.60
18	21.28	20.69	20.52	20.42	21.13	20.90	20.50	21.15	21.05	21.80	20.96 20.80
19	21.38	20.73	20.50	20.41	21.20	20.90	.....	21.03	20.99	21.50	21.30 20.72
20	21.38	20.85	20.42	20.37	21.13	20.55	20.48	20.97	20.95	21.42	21.40 20.70
21	21.35	20.68	20.38	20.43	21.10	20.65	20.54	20.88	20.85	21.32	21.05 20.65
22	21.30	20.50	20.19	20.36	21.01	20.63	20.50	20.92	20.80	.....	21.08 20.60
23	21.05	20.70	20.20	20.30	20.97	20.63	20.40	21.18	20.97	21.22	21.05 20.47
24	20.90	20.75	20.10	20.00	20.97	20.10	20.30	21.18	20.85	21.15	20.45 20.48
25	20.88	20.79	20.28	20.68	20.95	20.73	20.42	21.30	20.88	21.12	20.00 20.60
26	20.91	20.71	20.02	20.90	21.00	20.88	20.36	21.32	20.97	21.18	20.02 20.65
27	21.52	20.82	20.02	20.69	21.02	20.93	20.40	21.25	20.99	21.16	20.58 20.62
28	20.95	20.60	20.17	20.80	20.93	20.92	20.41	21.31	21.01	21.16	20.69 20.48
29	20.99		.....	21.00	20.92	20.30	20.50	21.35	21.00	21.12	20.88 20.50
30	21.08		.....	20.36	20.85	20.83	20.69	21.38	20.98	21.03	20.00 20.47
31	21.12		.....		20.85		20.88	21.35		21.00	

Su-3. Goodyear Tire & Rubber Co. Lat. 41°03'09", long. 81°28'00". Drilled unused well in gravel, diameter 20 inches, depth 140 feet. Highest water level 17.45, May 25, 1950; lowest 55.90, Oct. 18, 1943. 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	.....	.....	27.02	23.14	19.57	17.77	21.04	30.75	43.02	.....	51.08 39.86
2	.....	.....	26.89	23.00	19.45	17.73	21.04	31.18	43.33	.....	51.31 39.86
3	.....	.....	26.81	22.83	19.32	17.62	20.90	31.62	43.53	.....	51.42 39.86
4	.....	.....	26.72	22.70	19.21	17.52	20.95	32.15	43.60	.....	51.55 39.86
5	.....	.....	26.53	22.60	19.08	17.49	20.80	32.55	43.74	.....	51.55 39.86
6	36.42	.....	26.39	22.51	19.05	17.46	21.28	32.98	43.90	48.80	51.22 39.86
7	36.32	.....	26.25	22.43	18.98	17.57	21.60	33.27	44.05	48.85	51.33 39.86
8	36.16	.....	26.04	22.22	18.96	17.71	22.00	33.57	44.35	48.77	51.18 36.76
9	36.00	.....	25.95	22.13	18.82	18.02	22.32	33.94	44.68	48.73	51.42 36.53
10	35.75	29.90	25.92	21.98	18.67	18.11	22.60	34.30	44.97	48.75	51.47 36.15
11	35.75	.....	25.79	21.75	18.64	18.14	22.90	34.83	45.18	48.90	51.37 35.80
12	35.30	.....	25.62	21.68	18.55	18.18	23.14	35.24	45.43	48.90	51.06 35.45
13	35.03	.....	25.47	21.57	18.43	18.52	23.14	35.62	45.63	48.90	50.53 35.20
14	34.62	.....	25.38	21.47	18.32	18.57	23.64	35.96	45.85	48.85	50.08 34.88
15	34.55	.....	25.25	21.37	18.18	18.56	23.88	36.28	46.15	48.82	49.45 34.58

Su-3--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	34.21	.....	25.15	21.26	18.12	18.73	23.90	36.63	46.32	48.65	48.79	34.32
17	33.75	28.83	25.00	21.11	18.06	.....	24.03	36.98	46.39	48.51	48.10	34.05
18	33.62	28.77	24.83	20.48	17.96	.....	24.30	37.61	46.43	48.67	47.15	33.80
19	.....	28.56	24.82	20.87	17.91	.....	24.59	38.00	46.52	48.91	46.47	33.55
20	33.33	28.44	24.77	20.76	17.83	.....	24.68	38.42	46.60	49.06	45.80	33.30
21	.....	28.28	24.50	20.64	17.77	.....	25.65	38.83	46.80	49.50	45.17	33.10
22	.....	28.04	24.35	20.57	17.66	.....	26.10	39.23	46.90	49.67	44.50	32.83
23	.....	27.85	24.20	20.43	17.65	20.49	26.52	39.63	.....	49.83	43.87	32.65
24	.....	27.76	24.12	20.30	17.53	20.88	27.50	40.03	.....	50.03	43.25	32.40
25	.....	27.68	24.03	20.20	17.45	20.88	27.30	40.36	.....	50.17	42.75	32.22
26	.....	27.50	23.97	20.08	17.70	21.00	27.73	40.67	.....	50.20	42.12	32.03
27	32.06	27.37	23.75	19.96	18.14	21.37	28.18	40.98	.....	50.25	41.93	31.87
28	.....	27.22	23.66	19.99	18.27	21.42	28.95	41.35	.....	50.28	41.16	31.65
29	.....	.....	23.48	19.83	18.23	21.33	29.45	41.68	46.95	50.29	40.78	31.42
30	.....	.....	23.43	19.70	18.05	21.14	29.91	42.10	.....	50.63	40.30	31.25
31	.....	.....	23.30	.....	17.89	.....	30.31	42.50	.....	50.85	.....	31.10

Su-4. Firestone Tire & Rubber Co. Lat. 41°02'00", long. 81°33'00". Drilled test well in gravel, diameter 6 inches, depth 200 feet. Highest water level 1.38, Apr. 11, 1950; lowest 33.52, Nov. 21, 1948. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	.....	9.78	4.68	0.70	7.61	11.35	13.70	12.75	15.95	23.75
2	.....	9.58	4.53	.70	7.20	11.40	13.60	12.85	15.90	23.90
3	.....	10.80	4.40	.83	7.48	11.63	10.60	13.00	.....	23.95
4	.....	10.70	4.35	.....	7.70	11.58	10.40	13.10	.....	23.45
5	.....	10.61	4.18	.....	7.96	11.30	9.85	13.25	20.30	23.30
6	18.15	10.39	4.09	1.00	8.15	11.65	10.65	13.25	20.30	23.25
7	18.05	10.25	3.97	1.02	8.10	11.78	10.70	13.28	20.35	23.50
8	17.20	10.21	3.73	1.20	8.30	12.10	10.60	13.30	20.90	23.50
9	16.25	9.97	3.84	1.10	8.38	12.31	10.40	13.35	21.10	23.15
10	15.90	9.85	3.80	1.20	8.58	12.40	10.80	13.58	21.20	23.20
11	15.60	9.56	3.12	1.38	8.98	12.40	10.90	13.76	21.05	.....
12	15.10	9.47	3.37	1.20	8.93	11.73	11.00	13.78	21.20	.....
13	14.70	9.18	3.20	1.28	9.40	12.08	12.25	13.50	21.25	.....
14	14.18	8.92	3.10	1.25	9.20	12.45	11.45	13.15	21.65	.....
15	14.00	8.40	2.82	.40	8.38	12.60	11.49	13.20	21.90	.....
16	13.50	7.98	2.65	.52	8.99	12.80	11.45	13.15	21.90	.....
17	13.30	7.60	2.49	2.40	9.60	13.06	12.15	13.25	21.80	.....
18	12.75	7.30	2.30	3.48	10.14	13.05	11.80	.....	21.75	.....
19	12.50	6.90	2.58	3.50	10.33	12.61	11.89	.....	22.25	.....
20	12.25	6.79	2.58	3.90	10.35	12.95	11.80	13.20	.....	.....
21	11.90	6.57	2.40	3.97	10.18	13.34	11.80	14.75	23.95	.....
22	11.68	6.10	2.10	4.78	9.92	13.52	11.80	15.20	22.90	.....
23	11.49	5.90	2.18	4.78	10.38	13.70	13.10	15.68	22.80	.....
24	11.32	5.80	1.99	4.30	10.52	13.90	13.35	15.80	22.70	.....
25	11.15	5.60	1.90	5.38	10.48	13.90	12.30	16.10	22.85	.....
26	10.96	5.32	.....	5.87	10.50	13.71	12.30	16.30	22.80	.....
27	10.75	5.20	.60	6.20	10.67	13.73	12.45	15.60	.....	.....
28	10.51	5.02	.55	6.62	10.70	13.61	12.55	16.40	22.95	.....
29	10.17	.....	.45	7.16	10.25	13.45	12.60	17.20	23.00	.....
30	10.08	.....	.45	7.10	10.55	13.65	12.65	17.60	23.60	.....
31	9.92	.....	.51	.....	11.12	.....	12.45	17.65	.....	.....

Su-6. Goodyear Tire & Rubber Co. Akron. Drilled unused well in gravel, diameter 24 inches, depth 89 feet. Highest water level 23.80, Apr. 14, 1944; lowest 59.00, Oct. 13, 1946. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	43.57	Mar. 3	35.92	Apr. 28	30.40	June 23	45.55
13	43.40	10	35.25	May 5	29.78	30	48.00
20	41.30	17	33.65	12	41.52	July 7	40.61
27	40.54	24	33.98	19	44.30	14	37.70
Feb. 3	39.62	31	32.85	26	46.25	21	43.65
10	38.96	Apr. 7	32.05	June 2	48.85	28	44.65
17	37.27	14	31.52	9	42.52	Aug. 4	46.15
24	36.47	21	31.44	16	43.50	11	46.30

Su-6--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 18	44.33	Sept. 22	50.77	Oct. 27	51.75	Dec. 1	46.25
25	47.00	29	49.00	Nov. 3	53.30	8	43.41
Sept. 1	49.40	Oct. 6	50.95	10	51.20	15	38.93
8	48.70	13	50.75	17	52.00	29	39.52
15	48.77	20	52.20	24	48.50		

Trumbull County

T-2. Copperweld Steel Corp. Warren. Lat. 41°16'00", long. 80°50'30". Drilled unused well in sandstone, diameter 10 inches, depth 124 feet. Highest water level 26.4, June 20, 1946; lowest 45.25, Nov. 17, 1950. 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	.....	38.33	34.55	37.64	35.84	36.82	39.26	41.05	43.50	42.95	44.80	44.28
2	.....	38.17	34.36	37.36	35.56	36.90	38.20	41.31	43.25	43.38	44.70	44.10
3	.....	37.67	34.35	37.44	36.60	36.96	37.00	41.00	42.05	43.60	44.50	43.70
4	.....	37.62	34.15	37.33	36.87	36.45	36.46	40.80	41.50	43.48	44.25	43.10
5	.....	37.13	33.50	37.94	37.34	36.39	36.94	40.50	41.40	43.50	43.80	43.65
6	.....	36.70	33.41	37.92	37.28	37.58	37.90	40.55	42.32	43.83	43.80	42.90
7	.....	37.15	33.65	37.97	37.21	37.90	38.28	41.60	42.63	43.73	44.35	42.75
8	.....	37.26	33.83	37.87	37.42	38.20	38.28	42.25	42.43	43.70	44.30	41.65
9	.....	37.35	34.45	37.50	37.42	38.60	38.27	42.65	42.43	43.20	44.50	40.95
10	.....	37.70	33.50	37.61	37.54	38.50	39.10	42.90	42.40	43.60	44.70	40.35
11	38.90	37.70	35.13	37.99	37.38	38.18	39.68	43.15	42.48	43.60	44.73	39.75
12	38.75	37.45	34.85	37.77	37.13	38.21	39.95	43.15	42.80	43.80	44.55	39.85
13	38.64	36.95	34.92	37.55	36.90	38.26	40.22	42.80	42.98	43.82	44.40	39.80
14	38.65	37.02	35.43	38.06	36.31	38.32	40.08	42.10	42.90	43.85	44.73	39.65
15	38.57	37.00	35.37	37.95	35.85	38.57	39.40	41.85	42.85	43.80	44.80	39.50
16	38.17	37.22	36.31	37.60	33.80	39.05	38.57	43.05	42.70	43.38	45.05	39.35
17	38.00	37.63	36.50	37.15	32.18	39.01	38.34	43.05	42.45	43.90	45.25	39.15
18	37.69	37.54	36.65	37.58	31.23	38.08	38.85	42.65	42.35	44.00	45.25	39.00
19	37.24	36.89	36.62	37.78	31.17	36.98	39.17	42.65	42.68	44.45	44.70	38.92
20	37.79	37.15	36.60	38.10	32.05	38.37	39.32	42.15	42.88	44.60	44.50	38.75
21	37.70	37.26	36.60	38.35	32.51	38.71	39.53	41.55	42.83	44.90	44.70	38.70
22	37.58	37.35	36.50	38.36	33.53	38.86	39.45	41.85	42.60	43.75	44.75	38.72
23	37.00	37.53	36.40	37.80	34.34	39.23	39.20	42.10	42.50	43.65	44.60	38.55
24	37.25	38.05	36.71	36.65	35.00	39.15	39.34	42.00	42.20	44.32	44.75	37.93
25	37.75	37.93	36.53	36.72	35.55	38.72	39.52	42.15	42.25	44.75	44.58	37.25
26	37.83	37.60	36.02	37.10	36.08	38.71	39.81	42.10	42.55	44.68	.....	39.45
27	38.05	38.53	35.47	36.98	36.05	38.75	39.68	42.10	42.60	44.70	.....	40.30
28	38.07	36.00	36.52	36.86	35.70	38.87	40.45	42.70	42.95	44.33	.....	.....
29	37.64	.....	36.57	36.75	35.60	39.20	40.45	43.05	43.30	44.20	43.90	38.80
30	37.26	.....	37.28	36.15	35.95	39.31	40.43	43.05	43.30	44.25	44.25	38.60
31	37.50	.....	37.71	.....	36.67	.....	40.72	42.55	.....	44.75	.....	38.30

Tuscarawas County

Tu-1. Everett Waltz. Lat. 40°37'09", long. 81°32'00". Drilled unused well in gravel, diameter 4 inches, depth 23 feet. 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	13.44	9.75	9.15	9.66	10.21	10.61	11.30	12.21	12.77	12.88	13.18	.....
2	13.44	9.82	9.27	9.69	10.21	10.65	11.35	12.22	12.76	12.91	13.18	.....
3	13.44	9.87	9.35	9.73	10.24	10.69	11.38	12.26	12.71	12.91	13.20	.....
4	13.40	9.93	9.43	9.73	10.27	.....	11.35	12.27	12.71	12.91	13.20	11.65
5	13.28	9.96	9.48	9.68	10.30	10.75	11.41	12.30	.....	12.95	13.20	11.55
6	13.18	10.00	9.57	9.72	10.36	10.79	11.43	12.33	12.75	12.99	13.20	11.30
7	12.75	10.06	9.63	9.35	10.39	10.84	.....	12.36	12.75	12.99	.....	11.15
8	12.24	10.08	9.72	9.29	10.43	10.88	11.50	12.38	12.76	12.99	.....	11.04
9	11.98	10.08	9.79	9.32	10.45	10.92	11.53	12.40	12.78	12.99	.....	10.76
10	11.83	10.07	9.84	9.34	10.48	10.94	11.56	12.43	12.80	12.99	.....	10.59
11	11.66	9.92	9.88	9.39	10.45	10.88	11.59	.....	12.82	12.99	.....	10.49
12	11.49	9.86	9.93	9.43	10.53	10.85	11.63	.....	12.85	13.01	.....	10.51
13	11.21	9.86	9.92	9.58	10.55	10.89	11.67	.....	12.85	13.02	13.20	10.58
14	11.15	9.57	9.94	9.58	10.57	10.95	11.70	.....	12.85	13.06	13.20	10.62
15	11.01	9.46	9.94	9.64	10.61	10.98	11.73	.....	12.85	13.06	13.20	10.71

Tu-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	10.85	9.16	9.96	9.69	10.65	11.02	.....	.....	.....	13.06	13.20	10.75
17	10.66	9.05	9.98	9.76	10.67	11.07	.....	.....	.....	13.06	13.20	.....
18	10.41	9.00	10.04	9.81	10.73	11.10	11.84	.....	.....	13.06	13.20	.....
19	10.27	8.95	10.05	9.88	10.76	11.14	11.85	12.60	.....	13.07	13.20	.....
20	10.18	9.04	10.06	9.92	10.83	11.18	11.89	12.61	.....	13.08	13.20	.....
21	10.10	9.09	10.07	9.98	10.85	11.24	11.92	12.62	12.88	13.11	.....	.....
22	10.14	9.10	10.06	10.05	10.90	11.26	11.95	12.64	12.87	13.11	.....	.....
23	10.22	9.09	10.05	10.10	10.94	11.29	11.98	12.67	12.79	13.12	.....	.....
24	10.22	9.01	9.98	10.14	10.98	11.33	12.02	12.68	12.77	13.12	.....	.....
25	10.22	8.94	9.86	10.17	10.98	11.28	12.07	12.70	12.77	13.13	.....	.....
26	10.05	8.99	9.86	10.17	10.76	11.06	12.08	12.72	12.80	13.13	.....	.....
27	9.96	9.06	9.75	10.16	10.56	11.10	12.10	.....	12.81	13.14	.....	.....
28	9.85	9.10	9.65	10.17	10.49	11.13	12.13	12.77	12.84	13.16	.....	11.43
29	.....	.....	9.60	10.19	10.48	11.20	12.15	12.77	12.86	.....	.....	11.44
30	9.69	.....	9.60	10.21	10.49	11.26	12.18	12.77	12.87	13.17	.....	11.50
31	9.73	.....	9.62	.....	10.55	.....	12.21	12.77	.....	13.17	.....	11.56

Union County

U-1. Irwin Public School. Lat. 40°07'24", long. 83°30'. Drilled unused well in gravel, diameter 4 inches, depth 85 feet. Highest water level 5.1, Feb. 14, 1950; lowest 10.7, Oct. 4, 1946. Records available: 1946-50. Jan. 4, 5.20.

Daily lowest water level from recorder graph

Day	Feb.	Mar.	Apr.	May	June	July
1	.....	8.40	.....	8.54	.....	.....
2	8.00	8.49	8.57	.....	.....	9.65
3	8.08	8.58	8.54	.....	.....	9.65
4	8.15	8.61	8.45	8.72	.....	9.58
5	8.18	8.65	6.77	8.76	9.34	.....
6	8.17	8.70	7.32	8.84	9.38	9.10
7	8.19	8.70	7.67	8.91	9.40	9.22
8	8.24	8.68	7.85	8.92	9.43	9.31
9	7.45	8.73	7.98	8.92	9.43	.....
10	7.55	8.76	.....	8.92	9.39	9.37
11	7.88	8.72	.....	8.94	9.43	9.41
12	8.02	8.56	.....	8.92	9.44	9.44
13	7.50	8.30	.....	8.95	9.42	9.48
14	5.06	8.15	.....	8.97	9.45	9.51
15	6.10	8.27	.....	9.01	9.45	9.54
16	6.84	8.37	8.62	9.04	9.46	9.55
17	7.26	8.38	8.68	9.05	9.49	9.65
18	7.47	8.43	8.72	9.08	9.45	.....
19	7.72	8.47	8.77	9.10	9.48	.....
20	7.88	8.49	8.80	.....	.....	.....
21	7.93	8.11	8.84	.....	.....	.....
22	7.68	8.05	8.86	.....	9.51	.....
23	7.36	8.18	8.86	9.16	9.54	.....
24	7.68	8.28	8.79	9.19	9.55	.....
25	7.92	8.42	8.79	9.21	9.52	9.59
26	.....	8.42	8.79	9.21	9.51	.....
27	8.24	8.42	8.87	9.22	9.56	.....
28	8.25	8.12	8.89	9.23	9.56	.....
29	.....	.....	8.92	9.24	.....	.....
30	.....	.....	8.89	9.27	.....	.....
31	.....	.....	.....	.....	.....	.....

Warren County

W-1. WLW Radio Station. Lat. 39°20'36", long. 84°19'45". Dug unused well in gravel, diameter 48 inches, depth 50 feet. 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	0.86	1.23	2.37	3.11	3.34	3.13	3.84	3.15	2.97	3.70	.....
277	1.90	2.45	3.12	3.47	3.31	3.78	3.28	3.10	3.75	.....
3	1.18	2.25	1.67	3.20	3.48	3.34	3.87	3.25	3.17	3.78	.....

W-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
4	....	1.33	2.37	0.55	3.30	2.70	2.70	3.90	2.60	3.25	3.76	0.85
5	....	1.36	2.32	.70	3.39	2.69	1.85	4.05	2.86	3.34	3.65	1.04
6	....	1.08	1.99	1.06	3.43	3.00	1.76	4.14	3.11	3.42	3.46	1.07
7	0.87	1.38	2.02	1.22	3.48	3.27	2.28	4.20	3.30	3.48	3.44	.85
8	1.09	1.48	2.02	1.63	3.54	3.48	2.70	4.27	3.40	3.50	3.44	.89
9	1.05	.65	2.02	1.83	3.58	3.55	3.05	4.27	3.41	1.70	2.88	1.00
10	.98	.87	2.20	1.97	3.60	3.47	3.33	4.10	3.48	1.02	1.28	1.08
11	.85	1.20	2.03	2.26	2.95	3.48	3.51	3.20	3.50	1.36	1.50	1.17
12	.88	1.27	1.22	2.42	2.79	3.62	3.60	3.35	3.10	1.70	1.64	1.32
13	.65	.61	1.12	2.55	2.90	3.70	3.67	3.60	2.23	2.02	1.87	1.37
14	.92	.67	1.48	2.63	3.07	3.77	3.77	3.70	2.44	2.25	2.01	1.39
15	.95	.91	1.53	2.73	3.27	3.81	3.85	3.82	2.70	2.55	2.11	1.38
16	.85	1.13	1.73	2.83	3.42	3.60	3.80	3.82	2.95	2.72	2.12	1.53
17	1.03	1.29	1.83	2.93	3.53	3.72	3.88	3.75	3.14	2.87	2.11	1.70
18	1.13	1.46	1.94	3.04	3.63	2.20	3.83	3.75	3.28	2.94	2.23	1.87
19	1.45	1.72	2.11	3.17	3.71	2.25	3.82	3.71	3.32	3.07	2.28	2.04
20	1.65	1.86	2.09	3.17	3.79	1.56	3.66	3.65	3.32	3.20	1.30	2.09
21	1.74	1.94	.78	3.27	3.85	2.00	3.54	3.75	1.04	3.25	.86	2.16
22	1.50	.92	.80	3.28	3.88	2.12	3.66	3.80	.70	3.33	1.03	2.13
23	1.17	1.02	.98	3.35	3.95	1.97	3.75	....	1.22	3.34	1.12	1.50
24	.65	1.34	1.43	3.38	3.95	2.23	3.78	....	1.59	3.32	1.40	.95
25	.99	1.70	1.74	3.40	2.70	.88	3.75	....	1.87	3.25	1.75	1.37
26	1.05	1.83	1.92	3.01	3.00	1.61	3.75	....	2.14	3.32	1.77	1.85
27	.87	1.97	1.97	2.82	3.18	2.05	3.78	4.23	2.32	3.39	1.77	2.30
28	1.04	1.68	1.77	3.00	3.24	2.47	3.84	4.26	2.50	3.43	....	2.52
29	.90	....	1.95	3.18	3.21	2.75	3.90	4.12	2.67	3.50	....	2.67
30	.88	....	2.21	3.20	3.22	3.01	4.00	3.84	2.82	3.65	....	2.73
31	.86	....	2.29	....	3.20	....	4.00	3.60	....	3.67	....	2.85

W-2. City of Lebanon. Lat. 25°26'06", long. 84°13'06". Drilled unused well in gravel, diameter 6 inches, depth 100 feet. Records available: 1947-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	17.79	17.76	17.54	17.11	17.06	17.28	17.99	18.24	18.02	17.91	17.44
2	.....	17.94	17.76	16.94	16.78	17.06	17.52	17.72	18.22	18.14	18.24	17.74
3	.....	17.86	17.74	17.29	16.84	17.76	17.87	18.56	18.86	18.67	18.02	17.27
4	.....	17.77	17.32	17.44	16.76	17.02	17.32	17.84	18.32	18.25	17.94	17.10
5	.....	17.84	17.52	17.11	16.79	17.15	17.12	17.90	18.66	18.54	17.82	17.26
6	.....	17.69	17.16	16.97	16.89	16.99	17.42	18.19	18.24	18.50	18.47	17.04
7	18.33	18.73	17.47	16.89	17.70	16.79	17.23	17.81	18.34	18.49	18.55	17.37
8	18.35	17.98	17.74	17.29	16.79	16.89	17.16	17.94	19.12	18.34	17.79	17.24
9	18.26	18.54	17.47	17.19	17.34	17.26	17.38	18.72	18.44	18.36	18.31	17.13
10	18.64	17.63	17.60	17.29	16.79	16.87	17.27	17.79	18.29	18.46	17.93	17.24
11	18.26	17.70	17.18	17.24	17.15	17.25	17.30	18.01	18.47	18.07	17.92	17.09
12	18.36	17.76	17.46	17.04	17.23	16.85	17.36	17.82	18.84	18.54	18.54	17.50
13	18.04	17.55	17.58	17.34	17.14	16.86	17.44	17.80	18.38	18.44	17.86	17.23
14	18.26	17.66	17.50	17.14	16.66	17.24	17.33	17.98	19.04	18.24	17.84	....
15	18.22	.....	17.45	17.04	17.12	17.24	17.30	18.02	18.36	18.24	17.79	17.29
16	18.54	17.78	17.44	17.24	16.76	17.04	17.26	17.94	18.32	18.54	17.76	17.34
17	18.16	17.46	17.09	16.77	17.11	16.97	17.25	17.84	18.34	18.14	17.42	17.22
18	18.52	17.64	17.55	17.09	17.64	17.05	17.49	18.74	18.68	18.16	17.71	18.00
19	18.28	17.64	16.94	16.84	16.89	16.94	17.34	18.34	18.39	18.04	18.34	17.34
20	18.54	17.64	16.85	16.99	17.09	17.32	17.47	18.17	18.40	18.34	18.04	17.38
21	18.06	17.62	17.05	16.99	16.94	17.04	17.38	18.55	17.90	18.76	17.74	17.39
22	18.06	17.36	17.14	16.74	....	17.08	17.35	18.37	17.82	18.34	18.32	17.34
23	.....	17.40	17.50	16.94	17.05	17.34	17.38	18.42	18.00	18.32	17.52	....
24	18.43	.....	17.09	16.76	16.69	17.06	17.34	18.04	17.91	17.94	17.54	16.79
25	18.16	17.72	17.36	16.79	17.12	17.66	17.44	18.94	17.94	18.70	17.64	17.16
26	18.15	17.30	17.24	16.79	17.20	17.90	17.80	18.16	18.70	18.32	17.16	17.60
27	18.55	17.57	17.45	16.85	16.86	17.24	17.84	18.21	18.94	18.46	17.44	17.25
28	18.26	17.36	17.57	16.89	17.52	17.14	17.90	18.14	18.11	18.28	17.54	17.24
29	17.97	....	17.44	16.79	17.48	17.15	17.56	18.59	18.16	17.81	17.44	17.56
30	17.74	....	17.64	17.04	16.59	17.44	17.85	18.64	18.16	18.21	17.64	17.42
31	18.24	....	17.25	....	17.08	....	18.16	18.22	....	18.32	....	17.34

Washington County

Wa-1. Marietta Osteopathic Clinic. Fourth and Putnam Sts. Drilled unused well in gravel, diameter 6 inches, depth 42 feet. Highest water level 18.30, Mar. 25, 1945; lowest 30.70, Sept. 9, 1942. Records available: 1942-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	23.82	23.57	22.32	24.79	.....	26.90	27.35	28.10	27.90	28.13	27.24
2	.....	23.31	23.71	22.44	24.87	.....	27.02	27.42	28.16	27.90	27.87	27.12
3	.....	22.96	23.87	23.09	24.86	26.13	27.02	27.45	28.23	27.90	27.87	26.70
4	.....	22.88	23.98	22.97	24.92	26.12	26.90	27.45	28.04	27.90	27.87	26.31
5	.....	23.14	24.15	22.62	24.94	26.28	26.98	27.40	27.84	27.90	27.80	25.47
6	.....	23.95	24.27	22.72	25.05	26.17	26.60	27.55	27.75	27.92	27.72	24.26
7	26.03	23.78	24.38	22.38	25.14	26.38	26.56	27.55	27.77	27.93	27.62	23.22
8	25.83	23.86	24.57	22.27	25.17	26.59	26.67	27.55	27.84	27.93	27.52	22.78
9	25.03	23.87	24.63	22.38	25.32	26.26	26.76	27.60	27.85	27.95	27.51	21.75
10	24.63	23.73	24.67	22.67	25.48	26.50	26.78	27.40	28.21	27.95	27.83	21.35
11	24.54	23.59	24.65	23.04	25.51	26.86	26.70	27.57	28.22	27.56	27.53	21.40
12	23.21	23.52	24.67	23.27	25.54	26.87	26.72	27.56	28.20	27.97	27.55	21.73
13	22.84	23.56	24.65	23.79	25.61	26.25	26.77	27.67	28.16	27.97	27.62	22.00
14	23.70	23.55	24.64	23.77	25.66	26.68	26.90	27.42	28.13	27.97	27.62	22.23
15	23.64	23.48	24.41	24.02	26.00	26.80	26.80	27.68	27.90	27.98	27.63	22.40
16	23.73	22.85	24.46	24.07	25.85	26.78	26.86	27.77	27.86	27.97	27.66	.....
17	23.56	22.39	24.18	24.22	25.92	26.85	26.80	27.82	27.82	27.97	27.66	23.98
18	23.33	22.16	24.35	24.27	25.94	26.21	26.90	27.87	27.82	27.97	27.68	24.20
19	23.27	22.33	24.37	24.51	25.88	26.25	26.96	27.80	27.83	27.97	27.68	24.38
20	23.32	22.52	24.44	24.62	26.05	26.35	27.03	27.70	27.84	28.00	27.70	24.58
21	23.30	22.52	24.46	24.81	25.95	26.72	27.06	27.57	27.88	27.99	27.67	24.60
22	23.44	23.18	24.31	24.85	26.04	26.81	27.08	27.50	27.84	28.00	27.52	24.77
23	23.64	22.88	24.27	24.67	26.05	26.94	27.15	27.62	27.80	28.03	27.65	24.78
24	23.75	22.74	24.13	24.59	26.13	27.00	27.15	27.80	27.77	28.03	27.32	24.27
25	26.06	22.73	23.84	25.06	26.17	26.90	27.11	27.55	27.77	28.04	27.24	24.03
26	25.64	22.73	23.77	25.03	25.89	26.73	27.04	28.00	27.78	28.35	27.15	24.17
27	25.42	22.86	23.92	25.01	25.89	26.62	27.08	28.07	27.80	28.97	.....	24.20
28	24.37	23.12	23.53	24.49	.....	26.69	27.20	28.07	27.82	28.06	.....	24.30
29	24.40	.....	23.30	24.53	.....	26.82	27.22	28.10	27.82	27.83	.....	24.44
30	24.40	.....	22.88	24.65	.....	26.75	27.36	28.10	27.93	27.82	.....	24.55
31	24.07	.....	22.47	.....	.....	.....	27.28	28.09	.....	27.83	.....	24.66

Wayne County

Wn-1. Ohio Boxboard Co. Rittman. Drilled unused well in gravel, diameter 6 inches, depth 180 feet. Highest water level 84.20, Dec. 25, 1946; lowest 103.2, July 21, 1948. Records available: 1946-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	99.44	94.86	98.08	96.54	95.80	.....	.....	.....	.....	90.60
2	.....	99.27	96.50	98.32	96.91	95.09	.....	.....	96.28	.....	91.20
3	.....	99.56	96.52	98.14	96.42	93.80	.....	.....	96.00	.....	92.35
4	.....	100.05	96.47	98.18	94.67	93.81	.....	.....	.....	.....	92.65
5	.....	100.07	93.96	97.86	94.49	95.92	.....	97.00	.....	.....	90.52
6	.....	96.56	94.08	98.58	94.50	96.72	.....	97.10	.....	.....	91.78
7	.....	97.86	93.04	98.61	96.05	96.87	.....	97.03	.....	.....	89.90
8	.....	98.27	93.25	98.75	95.82	94.80	.....	97.00	.....	93.60	89.70
9	.....	98.50	93.64	98.83	95.87	94.14	.....	96.94	.....	93.45	89.70
10	96.90	98.86	96.12	98.00	94.18	94.33	.....	.....	.....	92.19	89.55
11	98.12	99.50	96.33	97.99	94.09	93.50	.....	96.68	.....	92.05	89.05
12	98.19	99.61	96.50	97.20	95.62	94.50	.....	96.56	.....	93.63	88.90
13	98.18	98.23	97.38	.....	95.62	94.50	.....	94.37	.....	94.10	89.50
14	98.99	98.67	97.71	.....	96.17	94.67	.....	95.77	.....	94.41	90.80
15	98.54	98.88	96.46	.....	96.56	93.44	.....	96.10	.....	94.45	88.93
16	99.11	98.10	96.50	.....	96.72	93.36	.....	96.41	.....	94.35	90.75
17	99.10	97.90	96.92	.....	97.21	93.30	.....	.....	.....	92.43	91.40
18	99.16	98.00	97.32	.....	96.89	95.20	.....	.....	.....	92.35	90.09
19	99.57	98.54	97.95	.....	96.57	95.45	.....	.....	.....	92.10	90.00
20	99.83	96.10	98.01	.....	96.58	96.15	.....	.....	.....	93.70	90.21
21	99.60	96.12	98.04	.....	96.66	96.40	.....	.....	.....	92.50	90.25
22	99.32	96.60	97.60	.....	96.99	96.52	.....	.....	.....	91.61	90.00
23	97.22	97.00	96.87	.....	96.93	96.70	.....	.....	.....	91.00	90.13

Wn-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
24	97.94	96.59	97.43	.....	96.68	96.75	.....	.....	.....	92.15	89.57
25	98.43	96.40	97.78	.....	96.94	96.15	.....	95.70	.....	91.20	89.08
26	98.74	96.18	97.78	.....	96.98	96.45	.....	95.91	.....	90.95	91.80
27	95.07	95.96	96.27	.....	96.03	96.60	.....	96.00	.....	91.30	91.10
28	98.37	94.58	96.56	.....	96.04	96.63	.....	96.08	.....	91.30	90.18
29	99.00		97.02	.....	96.50	96.70	96.30	96.10	.....	91.30	90.62
30	99.12		97.96	.....	95.63	95.78	96.50	96.16	.....	91.20	90.38
31	99.20		98.26	.....		96.15	96.65	.....	.....		90.32

Wn-2. City of Wooster. Water Works Plant, Wooster. Dug well in gravel, diameter 25 feet, depth 35 feet. Highest water level 8.00, Feb. 15, 1950. Records available: 1949--.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.04	22.14	21.34	22.04	23.34	24.24	26.56	28.04	28.36	25.07	27.59
2	13.24	22.54	13.04	22.84	23.54	16.04	26.57	28.04	28.76	29.14	27.34
3	13.34	22.24	21.64	22.64	23.64	23.04	26.57	27.49	28.56	29.64	26.24
4	13.59	22.24	20.74	22.84	22.84	23.14	26.94	27.69	28.54	29.04	24.64
5	21.64	21.64	20.34	23.24	22.74	23.41	27.04	28.04	28.97	29.64	24.14
6	21.94	22.44	20.81	23.34	23.24	24.61	26.54	28.62	28.74	28.94	24.04
7	13.29	22.34	20.94	14.84	23.54	24.84	26.55	27.69	28.74	29.12	23.34
8	23.29	22.14	20.64	23.64	23.74	24.94	27.24	28.12	28.34	29.12	21.19
9	23.24	22.11	13.04	23.64	24.12	24.94	27.44	28.26	28.74	29.22	21.89
10	22.14	22.44	21.34	23.74	24.04	25.41	27.04	27.62	28.84	29.04	21.44
11	13.54	22.44	21.44	23.74	14.44	25.76	27.14	28.34	29.04	28.74	22.14
12	13.54	14.14	21.94	23.84	23.44	25.82	27.14	28.44	28.99	29.34	22.64
13	10.74	13.14	21.64	22.24	23.94	23.64	26.01	26.31	26.54	28.89	22.89
14	11.24	10.04	22.34	22.14	23.94	23.64	26.04	26.96	26.66	28.75	23.04
15	10.84	8.04	22.14	21.74	23.64	23.74	26.04	27.04	28.24	28.45	23.44
16	8.19	5.24	22.14	13.84	23.94	24.04	26.04	27.50	28.24	28.84	23.34
17	8.34	10.44	22.34	22.54	23.94	24.24	26.04	27.84	28.24	28.84	22.94
18	9.99	11.14	22.34	22.74	24.04	24.34	26.54	28.29	28.12	28.99	23.29
19	19.54	20.14	13.64	23.04	23.94	24.24	26.54	27.84	28.44	28.94	23.79
20	21.14	21.84	22.24	23.14	23.94	24.44	26.54	27.56	28.34	29.32	23.86
21	21.19	21.84	22.34	22.94	23.84	24.84	26.74	27.54	28.29	29.09	28.64
22	12.39	21.44	21.84	22.44	24.14	24.84	26.74	27.26	.....	28.64	23.84
23	12.49	20.89	21.64	14.54	24.24	25.24	26.74	27.44	.....	29.24	23.64
24	12.54	21.24	21.44	22.34	24.24	25.54	26.39	27.65	.....	29.14	22.94
25	11.64	21.24	21.44	22.24	24.14	25.44	26.84	27.83	.....	29.45	22.79
26	11.99	20.84	13.04	22.54	20.64	25.14	27.04	28.05	.....	29.54	24.14
27	11.74	21.94	20.64	22.84	20.84	24.94	27.19	27.84	.....	29.24	24.14
28	12.64	22.04	20.54	23.04	13.04	24.94	26.99	28.06	.....	29.04	24.24
29	12.24		21.14	23.04	22.74	24.94	26.98	28.24	28.84	28.49	24.14
30	12.49		21.44	14.54	22.74	25.09	26.99	28.05	28.89	27.55	24.34
31	12.94		21.64		23.24		26.99	28.09		29.04	24.34

Wood County

Wo-1. Paul W. Kale. Lat. 41°16'10", long. 83°44'50". Drilled unused well in limestone, diameter 4 inches, depth 80 feet. Highest water level 2.76, May 22, 1948; lowest 7.0, Dec. 17, 1946. Records available: 1946-50.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Nov.	Dec.
1	4.60	3.60	3.41	3.23	....	3.47	2.97	2.62	3.05	....	2.71
2	4.60	3.62	3.46	3.24	....	3.47	2.92	2.63	3.01	....	2.71
3	4.52	3.64	3.51	3.21	....	....	2.91	2.67	3.01	....	2.73
4	4.43	3.68	3.53	....	....	....	2.80	2.69	3.02	....	2.78
5	4.29	3.68	3.53	....	....	....	....	2.72	3.03	....	2.81
6	4.19	3.65	3.59	....	....	....	....	2.76	3.06	....	2.78
7	4.02	3.73	3.58	....	....	....	2.78	2.79	3.07	....	....
8	3.99	3.72	3.54	....	3.26	....	2.78	2.80	3.06	....	....
9	3.92	3.64	3.59	....	3.26	....	2.80	2.83	3.07	....	....
10	3.73	3.62	3.62	3.15	3.28	3.47	2.79	2.83	3.05	....	....
11	3.72	3.60	3.58	3.17	3.29	3.50	2.78	....	3.02	....	....
12	3.62	3.60	3.57	3.17	3.29	3.51	2.76	....	2.92	....	....

Wo-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Nov.	Dec.
13	3.49	3.49	....	3.19	3.30	3.49	2.78	....	2.91	....	2.76
14	3.38	3.38	....	3.20	3.31	3.50	2.77	....	....	....	2.79
15	3.31	3.46	....	3.22	3.33	3.49	....	....	....	....	2.85
16	4.18	3.45	....	3.25	3.33	3.47	....	....	....	....	2.88
17	4.19	3.29	....	3.26	3.34	3.47	2.77	3.00	....	....	2.94
18	4.08	3.25	....	3.25	3.37	....	2.75	2.98	....	....	3.00
19	4.06	3.29	....	3.25	3.38	....	2.73	2.93	....	....	3.06
20	4.06	3.30	....	3.30	3.50	....	2.65	....	....	....	3.11
21	4.03	3.29	....	3.33	3.51	....	2.67	....	....	....	3.12
22	3.99	3.25	....	3.34	3.52	....	2.67	....	....	....	3.16
23	3.98	3.24	....	3.33	3.53	....	2.67	....	....	....	3.16
24	....	3.26	....	3.28	....	....	2.67	....	....	....	3.21
25	....	....	....	3.27	....	....	2.67	....	....	....	3.23
26	....	3.35	....	....	3.43	....	2.65	....	....	....	3.28
27	....	3.39	3.28	....	3.44	3.01	2.66	....	....	....	3.30
28	....	3.36	3.24	....	3.45	3.01	2.66	....	....	....	....
29	....	....	3.24	....	3.45	2.99	2.65	3.13	....	2.61	....
30	....	....	3.26	....	3.49	2.98	2.65	3.14	....	2.68	....
31	....	....	3.26	....	3.51	....	2.65	3.15	....	....	....

Wo-2. City of North Baltimore. Water Works Plant. Drilled unused well in limestone, diameter 6 inches, depth 82 feet. Highest water level 24.7, Feb. 27, 1949; lowest 44.50, Sept. 10, 1950. Records available: 1948-50.

Daily lowest water level from recorder graph

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	31.35	33.54	39.41	41.58	....	38.85	33.95
2	....	30.16	33.40	36.59	42.40	....	38.97	34.39
3	....	29.96	33.30	39.75	42.51	....	38.65	33.64
4	....	32.10	33.01	40.35	41.69	....	39.92	33.15
5	22.34	32.40	33.08	39.45	43.05	....	37.75	33.25
6	....	32.27	34.15	39.75	43.60	41.55	38.70	33.22
7	....	32.27	35.37	40.16	43.67	41.59	38.27	32.67
8	....	32.27	35.53	39.85	44.20	42.58	38.50	32.67
9	....	32.55	34.60	39.15	44.45	42.97	38.37	31.37
10	....	32.60	37.65	39.65	44.50	41.55	38.65	31.96
11	....	34.35	37.89	39.53	44.50	41.21	38.45	32.55
12	27.50	32.60	38.10	38.90	44.50	40.67	37.23	32.85
13	....	32.60	37.84	39.45	44.45	39.55	37.83	32.08
14	....	36.12	37.87	39.68	44.50	39.39	37.50	31.89
15	....	35.79	37.70	40.47	44.50	38.95	37.68	33.32
16	....	34.60	37.89	39.07	....	38.63	38.20	33.44
17	....	33.83	37.76	38.80	....	38.39	37.99	33.30
18	....	32.98	38.25	39.60	....	37.77	37.40	33.29
19	29.31	33.46	38.45	42.02	....	38.05	37.47	33.27
20	....	32.05	40.19	42.02	....	37.97	35.83	33.14
21	....	32.05	40.28	39.98	....	38.02	34.73	33.54
22	....	34.18	39.17	40.50	44.35	37.83	31.97	33.47
23	....	33.55	39.45	42.05	44.44	38.25	29.55	33.93
24	....	34.96	39.25	41.68	44.44	38.45	29.97	34.59
25	29.84	35.05	39.43	40.65	44.01	37.60	32.15	35.15
26	....	33.82	39.38	41.55	44.01	37.55	31.75	34.37
27	30.35	33.25	39.31	40.21	44.13	37.05	33.38	35.22
28	30.95	32.77	38.55	42.55	44.03	37.88	33.12	35.45
29	31.73	33.35	38.65	42.62	44.17	37.82	33.52	34.83
30	29.31	33.45	39.00	42.84	....	38.23	34.13	35.65
31	31.35	....	39.31	42.64	....	38.31	....	35.47

PENNSYLVANIA

By J. C. Kammerer

Scope of Water-Level Program

The observation-well program in Pennsylvania, begun in 1931, was continued in 1950 in cooperation with the Pennsylvania Topographic and Geologic Survey. Measurements were made in 86 wells, 25 of which were equipped with recording gages.

Measurements in 25 observation wells in the Susquehanna River basin in Pennsylvania were made available each week to the Pennsylvania Water and Power Company, at Baltimore. These measurements, together with similar records obtained from those portions of the basin lying in New York and Maryland, are weighted and averaged by company engineers. The resulting value, the "Susquehanna ground-water index" is then used in forecasting the minimum fair-weather flow of the Susquehanna River at the company's hydroelectric plants, thereby making possible a more economical operation of power plant facilities during periods of low flow in the river.

Precipitation

As a result of precipitation which was considerably above normal during 4 months and normal or near-normal in all other months except April, water levels in rural wells during most of 1950 were substantially above average heights recorded for the preceding 18 years of record. A State-wide average precipitation of 47.5 inches occurred during 1950, more than 5 inches above the 63-year average. Heaviest precipitation occurred in January, February, March, and November.

Interpretation of Water-Level Fluctuations

Measurements in 26 observation wells in areas unaffected by heavy pumping have been converted to feet above assumed datum planes and arithmetically averaged. These weekly averages together with means, extremes, and precipitation data are shown in figure 18, and these water-level averages for 1950 and for the 18-year period preceding 1950 are also given in the following table:

Average weekly water levels in observation wells in Pennsylvania,
in feet, above assumed datum planes

Date	Number of wells	1950 average	1933-1950 average	Date	Number of wells	1950 average	1933-1950 average
Jan. 4	25	15.15	14.02	July 5	21	13.88	13.15
11	25	16.19	14.08	12	24	14.08	12.97
18	24	16.10	13.87	19	23	14.26	12.78
25	24	15.82	13.90	26	25	13.60	12.73
Feb. 1	23	16.12	13.89	Aug. 2	21	13.41	12.53
8	26	15.52	13.76	9	24	13.07	12.35
15	24	17.18	13.95	16	23	12.98	12.28
22	23	17.00	14.20	23	25	12.77	12.22
Mar. 1	22	16.08	14.49	30	24	12.69	12.07
8	23	16.16	14.72	Sept. 6	24	12.77	11.95
15	26	15.72	15.17	13	25	13.05	11.77
22	23	18.01	15.62	20	24	13.22	11.76
29	25	17.88	15.67	27	23	12.57	11.65
Apr. 5	22	17.44	15.72	Oct. 4	23	12.84	11.54
12	24	16.77	15.69	11	24	13.30	11.51
19	23	14.80	15.59	18	22	13.79	11.48
26	24	16.30	15.34	25	24	13.38	11.69
May 3	21	16.77	15.03	Nov. 1	22	13.54	11.98
10	24	15.75	14.77	8	23	14.15	12.22
17	23	15.57	14.66	15	23	13.36	12.50
24	24	14.92	14.66	22	19	14.36	12.69
31	22	15.43	14.56	29	18	16.93	12.84
June 7	21	15.18	14.22	Dec. 6	22	19.54	12.89
14	20	15.18	13.81	13	23	17.73	13.03
21	22	14.29	13.71	20	20	17.56	13.20
28	20	13.90	13.29	27	19	16.27	13.49

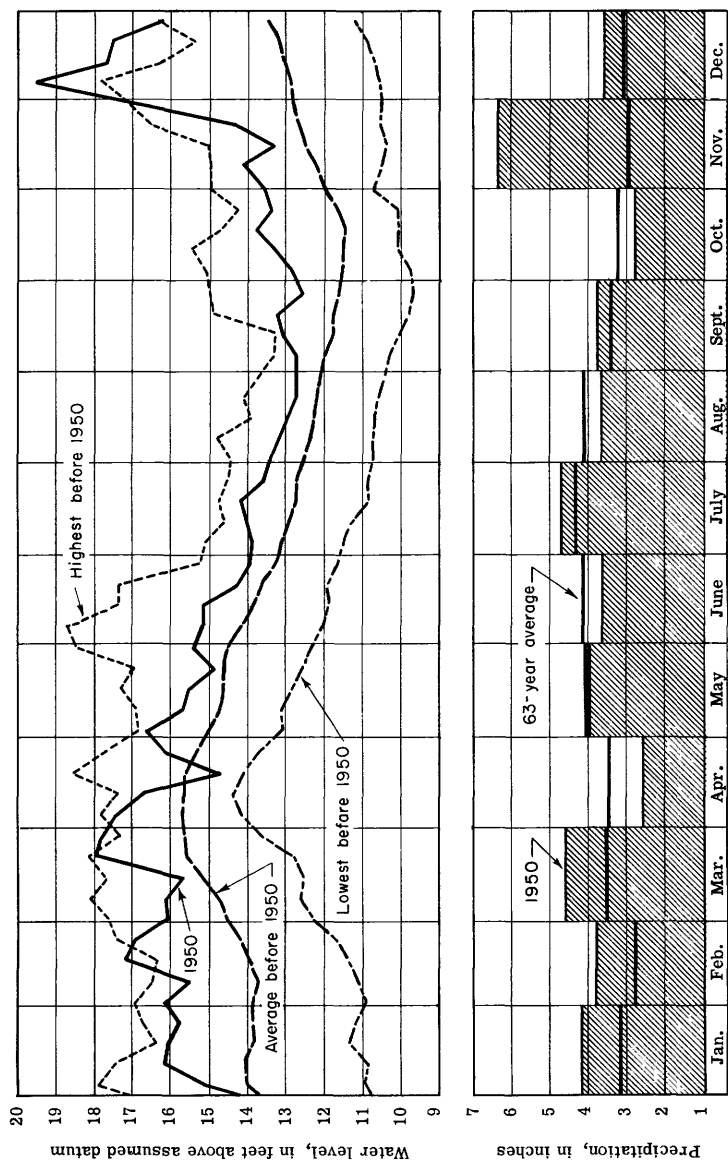


Figure 18. --Ground-water levels and precipitation in Pennsylvania.

Precipitation which was nearly 1 inch above normal in January and more than 1 inch above normal in February and March, was reflected in new highs of water levels in mid-February and late March. Precipitation, abnormally low in early and mid-April, was reflected by declining water levels, which for the State as a whole dropped below the 18-year average on only one occasion during 1950. Heavy rains beginning about April 20 restored ground-water levels to above-average positions. Precipitation in November-December combined, averaged 9.9 inches for Pennsylvania, the greatest of record in the State for the 2-month period, causing water levels to reach new highs during most of December. On November 24 and 25 there was a storm of epic proportions throughout the State.

Measurements were made in 22 wells near the U. S. Naval Base in the League Island area of south Philadelphia. All except 3 of the wells are equipped with recording gages. Changes in water levels are related to the quantity and schedule of ground-water withdrawal in the Naval Base, and by large industries northeast along the Delaware River. No close relationship of water levels in south Philadelphia to local precipitation has been apparent during the 7-year period, 1944-50. Recharge to the basal or lower sand-and-gravel aquifer overlying mica-schist bedrock is believed to be related chiefly to the Delaware and Schuylkill Rivers. Recharge from these sources remains fairly constant throughout the year, except for the minor effect of changes in water temperature and silt conditions in the river beds.

During the first half of 1950 water levels trended only slightly lower than levels reached during similar periods of relatively heavy pumpage by industries during 1947, 1948, and 1949. New low levels were reached in March in most Naval Base nonpumping observation wells. In July 1950 and continuing for the remainder of the year, pumpage of ground water from Naval Base wells was reduced by about one-third, resulting in a rise in water levels of 10 to 15 feet in Naval Base nonpumping wells, and of about 3 feet in Naval Hospital nonpumping wells 1 mile north of the Naval Base. Superimposed on these conditions for a short time were the extremely high tides in the Delaware River caused by wind and rain during the storm of November 24 and 25. The pressure-increase on the river-bottom sediments caused by the unusually high tides was transmitted to some extent to deeper-lying sediments, resulting in a marked rise of water levels in nearby wells tapping such sediments. Therefore, new high water levels for the period of record, 1944 to date, were recorded in a number of south Philadelphia wells on November 25, 1950. During these same 7 years Naval Base pumpage of ground water was between 29 and 82 percent higher than during the 4-month period August-November 1950.

Highest water levels in wells at U. S. Naval Base

Well number	Sand-and-gravel aquifer	Highest water level 1944-50		Highest water level Nov. 25, 1950	
		Date	Depth to water ¹ (feet)	Depth to water ¹ (feet)	Hour
N5	lower	Nov. 25, 1950	31.5	31.5	2 p. m.
NO-1	middle	Nov. 25, 1950	27.31	27.31	About 5 p. m.
NO-2	middle	Nov. 25, 1950	27.70	27.70	5 p. m.
NO-3	upper	Sept. 22, 1947	25.81	27.27	Uncertain
NO-4	upper	Nov. 25, 1950	28.58	28.58	3 p. m.
NO-5	upper	Sept. 22, 1947	28.06	28.71	5 p. m.
NO-6	upper	Sept. 22, 1947	25.84	26.64	4 p. m.
NO-8	lower	Nov. 25, 1950	33.30	33.30	About 6 p. m.
NO-9	Lower	Nov. 25, 1950	29.55	29.55	1 p. m.
NO-10	lower	Nov. 25, 1950	Higher than 31.37	Higher than 31.37	Later than 1 p. m.

1 Not adjusted to eliminate or minimize effect of Delaware River tidal fluctuations.

Measurements were made in 14 observation wells in the Pittsburgh area, 4 of which were equipped with recording gages. Record lows occurred in 5 of the wells in downtown Pittsburgh between June 29 and August 3. July was probably the month of heaviest pumpage for air conditioning. The daily maximum temperature was above 72° F. during the period. Beginning about the middle of April, water levels in many wells were lowered at the rate of nearly 1 foot per week until the middle of June. This rate of decline was greater than in any previous year of record.

At midnight on December 4, the Allegheny and Monongahela Rivers at the "Point" (where they join) in Pittsburgh crested at 12.02 feet above normal pool level. This represented the second highest river stage recorded during the period of measurement of the Triangle observation wells. During the next 9 days, record high water levels were observed in six of these wells.

The previous highs had been recorded in April 1948, when the river rose to 13.33 feet above normal pool level. In seven of the wells the 1948 level remained the record high. The following table gives the highest and lowest levels recorded:

Highest and lowest water levels, below land-surface datum, in Pittsburgh observation wells

Well number	Date	Highest level (feet)	Date	Lowest level (feet)
A1	Apr. 15, 1948	17.68	Aug. 18, 1949	30.04
A2	Apr. 15, 1948	18.10	June 30, 1949	30.52
A3	Apr. 15, 1948	15.60	Mar. 16, 1946	28.39
A6	Dec. 5, 1950	26.81	July 28, 1949	40.65
A7	Dec. 12, 1950	28.24	Aug. 18, 1949	42.75
A8	Apr. 16, 1948	25.77	June 29, 1950	38.30
A9	Apr. 15, 1948	24.76	July 22, 1948	35.48
A10	Dec. 12, 1950	27.92	Aug. 1, 1946	41.88
A11	Dec. 14, 1950	33.38	Aug. 3, 1950	46.18
A13	Dec. 10, 1950	30.69	Aug. 2, 1950	42.44
A14	Apr. 15, 1948	.33	July 14, 1949	18.63
A15	Apr. 23, 1948	35.72	July 27, 1950	44.37
A16	Dec. 7, 1950	30.58	June 8, 1950	37.83
A18	Dec. 12, 1950	32.45	Aug. 3, 1950	44.59
A21	Dec. 7, 1950	25.80	June 29, 1950	38.78

Water levels at the end of December 1950 were higher than those in 1949 owing to the high river-stages occurring early in the month. Wells A1, A2, and A3 averaged 1 foot above the 1949 year-end level, while the end-of-1950 level in well A14, close to the Allegheny River, was nearly 5 feet higher than at the end of 1949. The other wells in the Triangle averaged 2.3 feet above 1949 year-end levels. The two rock wells, A4 and A5, showed an average net decrease of 5.4 feet during 1950.

Well Descriptions and Water-Level Measurements

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

Allegheny County

A1. City of Pittsburgh. Liberty Ave. and Short St. Highest water level 17.68, Apr. 15, 1948; lowest 30.04, Aug. 18, 1949. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	25.70	Apr. 13	25.74	July 13	28.86	Oct. 12	26.56
12	24.50	20	26.30	20	28.92	19	26.26
19	25.40	27	26.44	27	28.91	26	26.04
26	25.60	May 4	26.77	Aug. 3	28.95	Nov. 2	26.56
Feb. 2	25.01	11	27.38	10	28.70	9	25.85
9	25.42	18	27.76	17	28.63	16	25.60
16	24.88	25	27.88	24	28.38	22	25.43
23	25.62	June 1	28.28	31	28.60	Dec. 5	19.85
Mar. 2	25.70	8	28.64	Sept. 7	28.27	7	20.64
10	25.78	15	29.05	14	28.22	12	22.58
16	25.70	22	29.02	20	27.99	14	23.22
23	25.84	29	29.25	28	27.36	21	24.28
30	23.98	July 6	29.22	Oct. 5	27.04	28	24.70
Apr. 6	25.22						

A2. City of Pittsburgh. First Ave. and Short St. Highest water level 18.10, Apr. 15, 1948; lowest 30.52, June 30, 1949. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	26.24	Apr. 13	26.27	July 13	29.12	Oct. 12	27.16
12	25.00	20	26.58	20	29.10	19	26.77
19	25.92	27	26.88	27	29.10	26	26.65
26	26.10	May 4	27.14	Aug. 3	29.14	Nov. 2	26.74
Feb. 2	25.52	11	27.70	10	28.98	9	26.50
9	26.00	18	28.02	17	28.88	16	26.12
16	25.40	25	28.26	24	28.75	22	25.94
23	26.16	June 1	28.52	31	28.75	Dec. 5	19.54
Mar. 2	26.25	8	28.80	Sept. 7	28.67	7	20.76
10	26.34	15	29.16	14	28.48	12	22.96
16	26.22	22	29.25	20	28.35	14	23.72
30	24.44	29	29.37	28	27.92	21	24.78
Apr. 6	25.82	July 6	29.25	Oct. 5	27.62	28	25.14

A3. City of Pittsburgh. Water and Short Sts. Highest water level 15.60, Apr. 15, 1948; lowest 28.39, Mar. 16, 1946. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	24.60	Apr. 13	24.70	July 13	26.77	Oct. 12	25.20
12	23.36	20	25.06	20	26.78	19	24.96
19	24.35	27	25.18	27	26.77	26	24.84
26	24.50	May 4	25.43	Aug. 3	26.78	Nov. 2	25.10
Feb. 2	23.89	11	25.82	10	26.62	9	24.65
9	24.44	18	26.05	17	26.53	16	24.44
16	23.74	25	26.18	24	26.40	22	24.29
23	24.58	June 1	26.39	31	26.44	Dec. 5	16.40
Mar. 10	24.73	8	26.64	Sept. 7	26.34	7	18.92
16	24.60	15	26.92	14	26.20	12	21.42
23	24.70	22	26.92	20	26.17	14	22.14
30	22.60	29	27.02	28	25.84	21	23.16
Apr. 6	24.14	July 6	26.84	Oct. 5	25.58	28	23.52

A4. Commonwealth Building. 316 Fourth Ave., Pittsburgh. Highest water level 35.90, Jan. 22, 1948; lowest 58.91, Apr. 3, 1946. Records available: 1945-50.

Jan. 5	40.80	Apr. 6	48.60	July 6	46.72	Oct. 5	47.30
12	42.30	13	47.28	13	42.05	12	44.76
19	48.20	20	47.58	20	42.17	19	44.05
26	47.22	27	49.92	27	42.30	26	45.23
Feb. 2	47.05	May 4	48.04	Aug. 3	42.44	Nov. 2	45.10
9	49.00	11	47.45	10	41.94	9	46.90
16	46.25	18	50.08	17	41.75	16	46.00
23	46.62	25	46.77	24	41.55	22	43.93
Mar. 2	48.86	June 1	47.20	31	41.70	30	43.86
10	46.90	8	42.20	Sept. 7	41.00	Dec. 7	44.10
16	47.02	15	44.76	14	42.70	14	45.03
23	47.80	22	47.56	20	46.32	21	52.72
30	46.15	29	46.50	28	47.45	28	49.16

A5. Keystone Building. 324 Fourth Ave., Pittsburgh. Highest water level 34.40, Jan. 22, 1948; lowest 53.93, Apr. 3, 1946. Records available: 1945-50.

Jan. 5	38.34	Apr. 6	45.90	July 6	44.60	Oct. 5	44.12
12	38.53	13	45.08	13	40.85	12	42.42
19	44.45	20	45.60	20	41.07	19	42.30
26	43.34	27	47.22	27	41.28	26	43.20
Feb. 2	43.24	May 4	45.95	Aug. 3	41.44	Nov. 2	42.50
9	44.66	11	45.38	10	40.97	9	45.00
16	44.15	18	47.46	17	40.80	16	44.00
23	44.04	25	44.95	24	40.60	22	42.13
Mar. 2	46.04	June 1	44.78	31	40.70	30	41.05
10	44.44	8	41.15	Sept. 7	40.05	Dec. 7	41.90
16	44.28	15	43.40	14	45.32	14	43.04
23	45.04	22	45.66	20	44.16	21	46.92
30	44.10	29	44.85	28	44.78	28	45.30

A6. Fulton Building. Sixth St. and Duquesne Way, Pittsburgh. Highest water level 26.81, Dec. 5, 1950; lowest 40.65, July 28, 1949. Records available: 1945-50.

Jan. 5	32.17	Apr. 13	31.83	July 20	39.75	Oct. 19	33.75
12	30.88	20	33.47	27	39.55	26	32.97
19	31.49	27	33.79	Aug. 3	39.45	Nov. 2	35.50
26	32.75	May 4	36.00	10	39.55	9	33.05
Feb. 2	31.50	11	35.69	17	39.05	16	32.17
9	31.60	18	36.95	24	39.22	22	31.85
16	31.65	25	36.90	31	40.09	30	31.07
23	31.75	June 1	37.84	Sept. 7	38.19	Dec. 5	26.81
Mar. 2	31.63	8	39.02	14	38.73	7	28.07
10	31.87	15	39.55	20	38.05	12	28.25
16	31.97	22	40.20	28	36.62	14	28.41
23	32.25	29	39.91	Oct. 5	35.19	21	29.77
30	31.08	July 6	39.31	12	34.15	28	30.24
Apr. 6	31.82	13	40.05				

A7. Stanley Theater. Penn Ave. and Seventh St., Pittsburgh. Highest water level 28.24, Dec. 12, 1950; lowest 42.75, Aug. 18, 1949. Records available: 1945-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	32.36	Apr. 13	31.93	July 20	41.38	Oct. 19	35.10
12	31.75	20	32.70	27	41.30	26	34.35
19	31.68	27	33.40	Aug. 3	41.59	Nov. 2	35.40
26	32.20	May 4	34.30	10	41.15	9	33.76
Feb. 2	31.86	11	35.77	17	41.14	16	32.93
9	31.76	18	36.58	24	40.50	22	32.46
16	32.06	25	37.12	31	41.36	30	31.65
23	31.84	June 1	38.22	Sept. 7	39.64	Dec. 5	30.32
Mar. 2	31.90	8	39.42	14	40.36	7	29.14
10	32.10	15	40.65	20	39.35	12	28.24
16	32.10	22	40.80	28	37.66	14	28.46
23	32.34	29	41.36	Oct. 5	37.08	21	29.53
30	32.22	July 6	40.84	12	35.82	28	30.00
Apr. 6	32.00	13	41.00				

A8. Pittsburgh Plate Glass Co. 632 Duquesne Way, Pittsburgh. Highest water level 25.77, Apr. 16, 1948; lowest 38.30, June 29, 1950. Records available: 1946-50.

Jan. 5	31.14	Apr. 13	30.88	July 20	38.04	Oct. 19	32.88
12	30.38	20	31.92	27	37.85	26	32.42
19	30.50	27	32.28	Aug. 3	38.24	Nov. 2	33.62
26	30.90	May 4	32.92	10	37.80	9	32.10
Feb. 2	30.95	11	34.02	17	37.70	16	31.58
9	30.94	18	34.85	24	36.80	22	31.30
16	30.88	25	35.18	31	37.36	30	30.64
23	30.94	June 1	35.84	Sept. 7	36.24	Dec. 5	26.44
Mar. 2	31.06	8	37.45	14	37.20	7	26.42
10	31.22	15	37.72	20	36.40	12	26.80
16	31.24	22	38.14	28	34.80	14	26.92
23	31.46	29	38.30	Oct. 5	34.28	21	27.20
30	30.55	July 6	37.90	12	33.40	28	27.88
Apr. 6	30.68	13	37.65				

A10. Atlas Paste Co. Garrison Place and Duquesne Way, Pittsburgh. Highest water level 27.92, Dec. 12, 1950; lowest 41.88, Aug. 1, 1946. 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	31.92	31.76	31.58	31.57	.....	37.22	39.80	39.50	39.27	.....	34.20	31.75
2	31.83	31.78	31.72	31.56	.....	37.35	39.38	39.58	39.09	.....	34.33	31.58
3	32.05	31.86	31.77	31.78	.....	37.42	39.49	39.68	38.93	.....	34.06	30.74
4	32.19	31.65	31.78	31.92	.....	37.27	39.20	39.62	38.62	.....	34.33	.....
5	32.30	31.54	31.64	31.78	34.42	37.48	39.40	39.46	.....	35.96	33.70	.....
6	32.17	31.65	31.66	31.54	34.40	37.72	39.45	39.16	.....	.....	33.87	.....
7	31.70	31.80	31.69	31.70	34.46	37.88	39.49	39.12	38.34	.....	33.85	29.16
8	31.47	31.63	31.76	31.48	34.78	38.10	39.38	39.21	.....	.....	33.55	.....
9	31.65	31.80	31.96	31.43	.....	38.31	39.05	39.24	.....	.....	33.50	.....
10	31.82	31.82	31.88	31.67	.....	38.27	39.26	39.30	.....	.....	33.68	.....
11	31.80	31.70	31.88	31.80	.....	38.24	39.33	39.36	.....	.....	33.18	.....
12	31.63	31.62	31.80	.....	.....	38.51	.....	39.36	.....	35.15	33.00	27.92
13	31.59	31.66	31.86	31.98	.....	38.74	39.42	39.00	.....	35.10	33.02	.....
14	31.40	31.72	31.96	.....	.....	38.92	39.52	38.97	38.38	34.93	33.17	28.07
15	31.24	31.64	31.96	.....	.....	39.03	39.39	38.90	.....	34.58	32.92	.....
16	31.46	31.72	32.04	.....	.....	39.22	39.09	39.00	.....	34.52	32.86	.....
17	31.39	31.89	32.14	.....	35.74	39.22	39.31	39.14	.....	34.48	33.04	.....
18	31.40	31.80	32.16	.....	35.94	38.88	39.51	39.28	.....	34.45	33.07	.....
19	31.25	31.70	32.10	.....	36.00	38.97	.....	39.36	.....	34.51	32.46	.....
20	31.40	31.62	32.01	32.85	35.88	39.12	39.62	38.96	37.60	34.54	32.53	.....
21	31.22	31.56	32.09	32.98	35.71	39.27	39.68	38.89	.....	34.23	32.31	29.32
22	31.09	31.52	.....	32.84	36.00	39.38	39.54	38.82	.....	34.12	32.32	.....
23	31.64	31.60	32.30	.....	36.16	39.50	39.22	38.80	.....	34.46	32.24	.....
24	31.52	31.58	32.26	.....	36.26	39.64	39.41	38.80	.....	34.34	32.22	.....
25	31.66	31.64	32.36	.....	36.44	39.22	.....	38.88	.....	34.34	32.08	.....

A10--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	31.78	31.60	32.26	.....	36.68	39.46	.....	38.93	.....	34.35	31.96	.....
27	31.96	31.55	32.43	33.48	36.67	39.70	39.55	38.57	.....	34.20	31.81	.....
28	31.68	31.49	32.26	33.61	36.59	39.73	39.60	38.62	36.53	34.10	31.64	29.78
29	31.58		31.90	33.50	36.84	39.75	39.55	38.88	.....	33.72	31.80	29.84
30	31.88		31.85	33.33	36.66	39.81	39.24	.....	.....	33.82	31.94	29.95
31	31.90		31.66		37.06		39.27	39.20		34.34		30.00

A11. Victory Building. Liberty Ave. and Ninth St., Pittsburgh. Highest water level 33.38, Dec. 14, 1950; lowest 46.18, Aug. 3, 1950. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	37.20	Apr. 13	36.82	July 20	45.94	Oct. 19	40.15
12	37.02	20	37.50	27	46.02	26	39.75
19	36.63	27	38.22	Aug. 3	46.18	Nov. 2	39.78
26	36.80	May 4	38.98	10	45.92	9	39.18
Feb. 2	36.94	11	40.38	17	45.73	16	38.30
9	36.76	18	41.10	24	45.45	22	37.78
16	37.08	25	41.67	31	45.68	30	37.01
23	36.88	June 1	42.73	Sept. 7	44.93	Dec. 5	36.68
Mar. 2	36.80	8	43.78	14	44.83	7	35.52
10	37.00	15	45.04	20	44.27	12	33.46
16	37.10	22	45.38	28	42.86	14	33.38
23	37.34	29	46.00	Oct. 5	42.44	21	34.18
30	37.44	July 6	45.78	12	41.20	28	34.74
Apr. 6	37.02	13	45.62				

A13. Columbia Building. Fourth Ave. and Wood St., Pittsburgh. Highest water level 30.69, Dec. 10, 1950; lowest 42.44, Aug. 11, 1949, July 1 and Aug. 3, 1950. 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	35.32	35.22	.....	34.48	36.66	40.18	42.44	42.28	42.28	39.05	37.08	34.46
2	35.20	35.02	35.18	34.45	36.78	40.36	42.14	42.39	42.40	38.90	37.22	34.40
3	35.29	34.98	35.24	34.61	36.86	40.50	41.94	42.44	42.13	39.08	37.11	34.28
4	35.44	34.96	35.23	34.91	37.06	40.48	41.90	42.37	41.71	38.84	36.82	34.06
5	35.54	34.89	35.07	35.14	37.34	40.44	41.92	42.34	41.35	38.59	36.50	32.64
6	35.48	34.87	35.06	35.17	37.65	40.64	41.92	42.04	41.14	38.28	36.30	31.30
7	35.35	35.03	35.11	35.09	37.74	40.84	41.98	41.80	40.94	38.09	36.19	31.02
8	34.90	35.10	35.15	35.07	37.78	41.04	42.03	41.94	40.88	37.89	36.13	31.11
9	34.60	35.10	35.24	34.98	37.82	41.28	41.70	42.02	40.98	37.65	36.03	30.79
10	34.66	35.18	35.28	34.98	37.97	41.45	41.64	42.04	40.76	37.62	35.96	30.69
11	34.83	35.21	35.23	35.16	38.18	41.35	41.80	42.09	40.66	37.66	35.83	30.86
12	34.68	.....	35.13	35.22	38.26	41.28	41.80	42.11	40.98	37.58	35.60	31.20
13	34.72	.....	35.10	35.30	38.24	41.50	41.96	41.80	41.14	37.43	35.50	31.48
14	34.88	.....	35.22	35.36	38.30	41.67	42.02	41.58	41.22	37.16	35.46	31.67
15	34.70	.....	35.17	35.38	38.27	41.82	42.03	.....	41.18	36.35	35.42	31.86
16	34.66	35.00	35.25	35.29	38.48	41.99	41.78	.....	41.11	36.67	35.38	32.08
17	34.90	35.02	35.24	35.30	38.66	42.04	41.72	42.02	40.78	36.72	35.42	32.17
18	34.93	.....	35.34	35.56	38.88	41.63	42.00	42.20	40.45	36.86	35.34	32.18
19	35.00	.....	35.29	35.80	39.06	41.43	42.10	42.34	40.53	36.88	35.17	32.37
20	34.98	35.04	35.28	35.96	39.02	41.60	42.20	42.02	40.56	37.06	35.11	32.56
21	34.99	35.08	35.34	36.06	38.90	41.78	42.31	41.71	40.60	36.88	35.13	32.74
22	34.80	35.10	35.38	36.04	38.89	41.87	42.34	41.70	40.56	36.76	35.06	32.81
23	34.82	35.15	35.44	36.00	39.15	42.02	42.02	41.58	40.49	36.58	34.93	32.89
24	35.07	35.16	35.44	36.10	39.26	42.20	41.90	41.56	40.18	36.57	34.90	32.84
25	35.25	35.20	35.46	36.22	39.40	42.01	.....	41.72	39.81	36.45	34.77	32.77
26	35.43	.....	35.35	36.40	39.60	41.88	.....	41.84	39.43	36.35	34.64	32.75
27	35.46	.....	35.34	36.54	39.86	42.22	42.26	41.58	39.24	36.22	34.54	32.98
28	35.35	.....	35.42	36.60	39.86	42.33	42.37	41.56	39.20	36.12	34.44	33.12
29	35.16		35.20	36.72	39.82	42.26	42.42	41.85	39.18	36.20	34.38	33.23
30	35.26		34.90	36.61	39.66	42.39	42.14	42.03	39.24	36.27	34.39	33.34
31	35.28		34.66		39.95		42.01	42.12		36.74		33.32

A14. City of Pittsburgh. Barbeau St. and Duquesne Way. Highest water level 0.33, Apr. 15, 1948; lowest 18.63, July 14, 1949. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	15.20	Apr. 13	12.90	July 13	15.14	Oct. 12	16.64
12	11.94	20	13.96	20	16.38	19	16.43
19	12.58	27	14.62	27	17.28	26	16.36
26	13.42	May 4	15.04	Aug. 3	17.72	Nov. 2	16.48
Feb. 2	13.19	11	15.52	10	17.76	9	14.50
9	13.07	18	16.05	17	17.80	16	15.08
16	12.18	25	16.56	24	17.70	22	14.78
23	12.42	June 1	16.02	31	17.79	Dec. 5	2.50
Mar. 2	13.22	8	16.38	Sept. 7	17.86	7	8.04
10	14.10	15	17.20	14	17.06	12	9.68
16	14.08	22	17.70	20	17.14	14	10.14
23	13.86	29	16.30	28	16.48	21	11.02
30	9.15	July 6	13.70	Oct. 5	16.78	28	10.85
Apr. 6	11.65						

A15. Hardie Bros. Co. 14th and Smallman Sts., Pittsburgh. Highest water level 35.72, Apr. 23, 1948; lowest 44.37, July 27, 1950. Records available: 1948-50.

Jan. 6	40.04	Apr. 13	39.27	July 6	44.23	Sept. 28	42.93
12	38.87	21	40.02	13	44.25	Oct. 6	42.54
20	38.96	27	40.58	20	44.34	12	42.20
26	39.36	May 4	41.08	27	44.37	19	41.90
Feb. 9	39.72	11	41.70	Aug. 3	44.23	26	41.63
16	39.55	18	42.22	10	44.14	Nov. 2	41.48
23	39.60	25	42.66	17	43.99	9	41.20
Mar. 10	40.14	June 1	43.09	24	43.86	17	41.00
16	40.26	8	43.56	31	43.74	Dec. 8	36.42
24	40.46	15	43.90	Sept. 8	43.56	14	36.02
30	39.62	22	44.05	14	43.44	21	37.12
Apr. 7	38.86	29	44.14	20	43.27	28	37.68

A16. Otto Milk Co. 24th & Smallman St., Pittsburgh. Highest water level 30.58, Dec. 7, 1950; lowest 37.83, June 8, 1950. Records available: 1948-50.

Jan. 6	35.67	Apr. 13	34.38	July 13	37.80	Sept. 28	36.38
12	33.54	21	35.52	20	37.50	Oct. 6	36.41
20	34.04	27	35.95	27	37.30	12	36.38
26	34.90	May 4	36.15	Aug. 3	37.28	19	36.30
Feb. 9	35.26	11	36.60	10	37.09	26	36.36
16	34.77	18	37.05	17	36.90	Nov. 2	36.30
23	34.95	25	37.45	24	36.84	9	35.92
Mar. 10	35.88	June 1	37.63	31	36.75	17	36.08
16	35.86	8	37.83	Sept. 8	36.23	Dec. 7	30.58
24	35.88	29	35.85	14	36.70	21	33.77
30	33.80	July 6	37.44	20	36.45	28	34.44
Apr. 7	33.30						

A17. Liquid Carbonic Corp. 3101 Preble Ave., Pittsburgh. Highest water level 22.40, May 1, 1950; lowest 29.58, July 28, 1949. Records available: 1949-50.

Jan. 12	27.06	May 1	22.40	July 27	27.87	Oct. 6	26.80
Feb. 9	28.43	18	27.87	Aug. 11	27.91	19	25.78
23	28.70	June 1	27.86	24	27.63	Nov. 2	25.72
Mar. 10	24.14	15	28.46	Sept. 8	27.36	17	26.90
24	25.60	29	26.73	20	27.23	Dec. 29	22.42
Apr. 13	25.60	July 13	27.80				

A18. Federal Drug Co. 947 Penn Ave., Pittsburgh. Highest water level 32.45, Dec. 12, 1950; lowest 44.59, Aug. 3, 1950. Records available: 1949-50.

Jan. 5	36.78	Mar. 2	36.30	Apr. 27	37.75	June 22	44.00
12	36.26	10	36.56	May 4	38.50	29	44.47
19	35.90	16	36.58	11	39.58	July 6	44.17
26	36.34	23	36.80	18	40.30	13	44.18
Feb. 2	36.28	30	36.70	25	40.84	20	44.46
9	36.22	Apr. 6	36.18	June 1	41.68	27	44.47
16	36.46	13	36.20	8	42.58	Aug. 3	44.59
23	36.15	20	37.00	15	43.66	10	44.28

A18--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 17	44.12	Sept. 28	41.55	Nov. 9	38.26	Dec. 7	34.44
24	43.78	Oct. 5	41.02	16	37.56	12	32.45
31	44.18	12	40.14	22	37.16	14	32.52
Sept. 7	43.24	19	39.34	30	36.58	21	33.74
14	43.30	26	38.84	Dec. 5	35.72	28	34.20
20	42.61	Nov. 2	38.94				

A19. West View Municipal Water Authority. Neville Island. Highest water level 23.30, Aug. 4, 1950; lowest 44.40, Feb. 24, 1948. 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	41.06	42.22	41.20	41.48	38.97	33.70	35.20	.....	31.48	38.04	35.35	40.67
2	41.30	42.27	41.30	41.60	39.02	33.68	34.93	30.65	32.32	38.10	35.60	40.82
3	41.62	42.36	41.50	41.00	39.08	33.97	35.17	31.80	32.28	37.80	35.60	41.02
4	41.70	42.44	41.54	41.00	38.08	34.20	35.30	23.30	32.16	35.30	35.65	39.37
5	41.88	42.12	41.38	41.02	36.10	34.40	30.50	31.88	31.00	34.70	35.68	35.88
6	42.05	42.10	41.12	41.28	35.20	35.28	30.80	32.62	31.30	34.65	36.25	36.48
7	41.08	42.15	41.30	41.04	34.75	35.50	31.08	33.02	31.14	35.00	36.73	37.52
8	40.08	42.10	41.32	40.62	34.18	35.28	31.08	33.20	31.90	35.07	36.72	37.83
9	40.10	41.72	41.33	40.30	32.90	35.10	34.52	33.20	32.42	34.43	36.73	37.68
10	40.74	41.94	41.50	40.70	33.60	35.45	34.95	33.48	32.45	34.33	36.58	38.48
11	41.00	42.22	41.60	40.50	33.80	35.95	.....	32.95	32.92	34.15	36.56	39.18
12	41.10	42.38	41.75	39.97	33.55	35.60	33.90	32.78	32.80	34.12	36.70	39.52
13	41.72	42.41	41.90	40.25	34.48	35.22	34.72	32.80	32.64	34.20	36.74	39.80
14	41.50	42.45	42.10	40.23	34.42	35.25	35.34	32.14	30.60	34.16	36.77	40.17
15	41.87	42.57	42.07	40.10	34.10	34.68	32.14	32.20	30.82	33.94	36.75	40.26
16	41.90	42.55	42.06	39.88	37.15	33.92	.....	.....	31.33	34.33	36.78	40.25
17	41.95	42.72	42.00	39.64	37.95	34.25	.....	.....	30.97	34.43	36.80	40.25
18	42.10	42.70	42.28	38.70	38.10	34.45	.....	.....	31.00	34.65	36.80	40.25
19	42.13	.....	42.30	38.20	38.18	33.90	31.90	.....	31.75	34.60	36.72	40.25
20	42.08	.....	42.27	38.13	37.86	32.40	31.95	.....	32.12	34.78	36.70	40.21
21	41.97	.....	42.13	38.47	37.78	32.25	32.36	.....	32.12	34.73	36.90	40.24
22	41.90	40.20	41.82	39.17	37.70	30.00	32.10	.....	31.78	34.70	36.40	40.25
23	41.80	40.18	41.78	39.46	36.04	32.68	32.10	.....	31.88	34.35	36.75	40.25
24	41.52	40.30	42.08	39.70	35.48	33.57	32.00	.....	32.13	34.60	36.80	40.27
25	41.47	40.44	42.30	38.72	34.60	33.88	32.50	.....	32.07	34.62	36.08	40.32
26	41.50	40.48	42.52	38.40	35.50	34.88	32.40	.....	32.15	34.68	e37.50	40.43
27	41.52	40.48	42.63	38.30	35.01	35.25	32.92	.....	37.10	34.70	e38.55	40.52
28	41.72	41.00	42.30	38.50	34.62	35.40	33.00	.....	37.65	34.52	e39.42	40.55
29	41.80	.....	42.04	38.78	34.60	35.55	32.60	.....	37.88	34.55	40.10	41.10
30	41.95	.....	41.62	38.92	35.03	35.70	32.52	32.88	38.00	34.98	40.38	41.47
31	42.15	.....	41.48	.....	33.28	.....	32.63	29.75	.....	35.25	.....	41.60

e Estimated.

A20. West View Municipal Water Authority, Ross Township well field. Highest water level 14.55, Dec. 17, 1948; lowest 18.92, July 6, 1949. Records available: 1948-50. Recording gage removed July 5, 1950.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
1	16.75	17.00	16.68	16.85	16.80	16.58	.....
2	16.65	17.40	16.65	17.70	16.98	16.63	.....
3	16.58	17.75	16.68	17.52	17.00	16.64	16.35
4	16.81	17.80	16.62	17.38	16.95	16.52	16.38
5	17.27	17.48	16.58	17.88	16.96	17.05	.....
6	17.57	17.30	16.48	17.48	17.00	17.45	.....
7	16.21	17.16	16.50	17.70	16.90	17.18	.....
8	16.00	17.04	16.45	17.97	16.77	16.84	.....
9	17.12	17.02	16.42	17.82	16.68	16.76	.....
10	17.75	17.60	16.88	17.36	16.64	16.60	.....
11	17.17	17.55	16.78	17.12	16.54	16.57	.....
12	17.22	17.33	16.88	16.94	16.55	16.66	.....
13	17.78	17.20	17.10	16.90	16.55	16.63	.....
14	17.86	17.55	17.50	16.76	16.68	16.58	.....
15	17.67	16.95	17.80	16.73	16.56	16.50	.....

A20--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
16	17.55	17.00	17.63	16.63	16.53	16.50	.....
17	17.83	17.80	17.33	16.57	16.52	16.57	.....
18	18.04	17.92	17.30	16.50	16.57	16.48	.....
19	17.88	17.80	17.04	16.58	16.44	16.48	.....
20	17.40	17.52	16.90	16.57	16.52	16.40	.....
21	17.10	17.20	16.85	16.52	16.52	16.34	.....
22	16.82	16.98	17.15	16.51	16.46	16.38	.....
23	16.70	17.00	17.40	16.57	16.50	16.43	.....
24	16.57	17.40	17.82	16.58	16.48	.....	.....
25	16.72	17.20	18.02	17.00	16.52	.....	.....
26	16.80	17.12	18.12	17.52	16.62	.....	.....
27	16.87	16.87	17.80	17.63	16.55	16.55	.....
28	17.12	16.68	16.40	17.40	16.63	16.50	.....
29	17.05		15.08	17.18	16.56	.....	.....
30	17.18		15.40	16.95	16.62	.....	.....
31	17.70		16.08		16.60		.....

A21. May Building. 119 Fifth Ave., Pittsburgh.
inches, depth 38 feet. Records available: 1950.

Drilled unused well, diameter 8

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	30.30	Apr. 20	30.84	July 20	38.62	Oct. 19	31.88
12	29.20	27	31.24	27	38.46	26	31.24
19	29.60	May 4	32.20	Aug. 3	38.74	Nov. 2	32.55
26	30.28	11	33.25	10	38.15	9	30.95
Feb. 9	29.68	18	34.20	17	38.00	16	30.18
16	29.55	25	34.52	24	36.70	22	29.90
23	29.76	June 1	35.64	31	37.70	30	29.44
Mar. 2	29.74	8	36.72	Sept. 7	35.96	Dec. 5	26.10
10	29.92	15	38.48	14	36.80	7	25.80
16	29.86	22	38.46	20	35.87	12	26.04
23	30.12	29	38.78	28	34.30	14	26.46
30	29.45	July 6	37.84	Oct. 5	33.48	21	27.54
Apr. 6	29.76	13	38.40	12	32.50	28	27.88
13	29.92						

Armstrong County134. Martin J. Cordera. In Schenley. Highest water level 28.13, Mar. 29, 1950;
lowest 40.24, Aug. 30, 1950. Records available: 1949-50.

Jan.	4	31.70	Apr. 5	30.05	July 5	38.76	Oct. 4	40.16
	11	30.85	12	35.00	12	38.41	11	39.35
	18	31.55	19	38.03	19	38.66	18	38.11
	25	35.76	26	34.62	26	38.09	25	39.58
Feb.	1	36.02	May 3	35.39	Aug. 2	39.23	Nov. 1	39.60
	8	32.62	10	36.79	9	39.70	8	36.19
	16	29.81	17	37.73	16	40.00	15	33.90
	22	35.92	24	37.48	23	40.09	22	30.77
Mar.	1	34.98	31	38.14	30	40.24	29	28.44
	8	35.63	June 7	36.59	Sept. 6	39.20	Dec. 6	33.77
	15	35.07	14	37.90	13	39.62	13	34.32
	22	30.55	21	39.24	20	38.98	20	37.90
	29	28.13	28	39.33	27	39.74	27	39.02

Bedford County116. W. M. Hoffman. In West Saxton. Highest water level 44.38, Apr. 16, 1948;
lowest 53.99, Feb. 13, 1948. Records available: 1941-50.

116--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	51.96	Apr. 7	50.77	June 30	52.11	Oct. 6	52.99
13	50.77	14	51.12	July 7	52.31	20	51.82
20	50.96	21	51.14	14	52.29	27	52.12
27	51.28	28	51.44	21	52.26	Nov. 3	52.28
Feb. 3	50.92	May 5	51.56	28	52.38	10	51.33
10	50.56	12	51.73	Aug. 11	52.58	17	51.49
17	46.89	19	51.38	18	52.76	24	51.66
24	50.05	26	51.05	25	52.94	Dec. 1	49.04
Mar. 3	50.91	June 2	51.35	Sept. 1	52.93	8	47.51
10	51.22	9	51.52	8	52.98	15	49.72
17	51.28	18	51.74	15	52.93	22	50.76
24	49.18	20	51.76	22	52.92	29	51.04
31	49.11	23	51.89	29	52.96		

Berks County

128. Howard Dubois. Near Berne. Highest water level 5.34, Feb. 15, 1950; lowest 9.41, Aug. 25, 1949. Records available: 1948-50.

Jan. 6	7.24	Mar. 21	7.67	July 7	8.20	Oct. 27	8.30
18	7.58	Apr. 11	8.30	14	8.14	Nov. 1	8.40
25	7.83	21	8.32	Aug. 4	8.62	10	8.03
Feb. 8	7.59	26	8.39	Sept. 15	7.95	16	9.06
15	5.34	May 5	8.05	22	8.00	22	8.35
20	7.59	12	8.00	Oct. 6	8.76	Dec. 1	7.60
Mar. 3	8.17	19	7.80	13	7.97	8	6.45
7	8.25	June 9	8.62	20	8.22	22	8.09
14	7.64	16	8.44				

F4a. Commonwealth of Pennsylvania. Near Birdsboro. Highest water level 22.43, June 22, 1948; lowest 38.88, Dec. 30, 1949. Records available: 1948-50.

Jan. 6	36.64	Apr. 7	34.38	July 7	29.28	Oct. 6	34.60
13	33.66	14	34.01	14	29.51	13	34.85
20	38.76	21	33.61	21	29.97	20	35.10
27	38.81	28	33.26	28	30.15	27	35.45
Feb. 3	38.83	May 5	32.79	Aug. 4	30.72	Nov. 3	35.70
10	38.28	12	32.32	11	31.20	17	36.24
17	37.41	19	31.89	18	31.74	24	36.67
24	37.19	26	31.27	25	32.32	Dec. 1	36.36
Mar. 3	37.28	June 2	30.53	Sept. 1	32.98	8	35.90
10	37.27	9	29.79	8	33.35	15	35.29
17	36.77	16	29.41	15	33.63	22	33.85
24	35.84	23	29.16	22	33.85	29	34.83
31	35.05	30	29.18	29	34.31		

F4b. Commonwealth of Pennsylvania. Near Elverson. Highest water level 5.40, Jan. 28, 1949; lowest dry, Aug. 12, 1949. Records available: 1948-50.

Jan. 6	14.55	Apr. 7	9.46	July 7	13.32	Oct. 6	14.59
13	13.88	14	10.87	14	12.78	13	14.50
20	14.22	21	11.63	21	13.50	20	14.79
27	14.55	28	12.03	28	13.88	27	13.92
Feb. 3	11.16	May 5	10.58	Aug. 4	14.39	Nov. 3	14.16
10	9.47	12	11.77	11	14.79	17	14.89
17	7.23	19	10.32	18	13.13	24	15.17
24	10.54	26	9.68	25	15.45	Dec. 1	10.05
Mar. 3	12.02	June 2	7.02	Sept. 1	15.60	8	6.97
10	10.88	9	10.06	8	15.69	15	9.01
17	9.78	16	11.39	15	12.03	22	10.09
24	6.11	23	12.15	22	13.09	29	11.39
31	7.06	30	12.95	29	13.97		

133. Joseph A. Witman. In Bally. Highest water level 9.30, Feb. 18 and Mar. 27, 1950; lowest 13.95, Nov. 13, 1950. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	11.82	Mar. 11	11.00	May 22	11.65	Nov. 6	13.90
14	11.36	20	10.81	29	10.80	13	13.95
21	11.59	27	9.30	June 5	10.10	20	13.84
28	11.85	Apr. 3	9.60	Aug. 5	12.40	27	12.48
Feb. 4	11.05	10	10.14	14	12.60	Dec. 4	12.41
11	10.60	24	10.98	Oct. 16	13.44	11	11.26
18	9.30	May 1	11.20	23	13.48	18	13.42
25	10.46	8	11.30	30	13.28	26	13.52
Mar. 4	11.05	15	11.50				

Bradford County

81. Charlotte Payne. Highest water level 1.45, Apr. 6, 1941; lowest dry, Sept. 24-Oct. 8, 1932, Oct. 3-17, 1936, Aug. 20-Oct. 29, 1939, Oct. 5-19, Oct. 26-Nov. 29, 1941, Sept. 21, 1942, Sept. 6-Oct. 24, 1943. Records available: 1931-44, 1946-50.

Jan. 4	2.54	Apr. 11	2.68	July 14	3.83	Oct. 13	1.60
12	2.50	19	2.67	21	4.10	20	1.80
16	2.55	26	2.47	28	3.23	26	1.77
24	2.61	May 3	2.50	Aug. 3	3.22	Nov. 2	1.93
Feb. 1	2.68	11	2.62	9	3.55	8	1.70
10	2.66	16	2.80	16	4.19	16	1.85
16	2.56	25	2.88	23	2.75	Dec. 1	1.57
24	2.60	June 1	2.87	Sept. 2	1.67	8	1.58
Mar. 4	2.62	8	2.89	8	2.20	15	1.63
10	2.36	15	2.77	15	1.64	20	1.90
17	2.57	23	3.00	22	1.90	29	1.98
27	1.80	27	3.39	29	1.95		
Apr. 4	2.33	July 7	3.44	Oct. 5	2.20		

82. C. Holon. In East Towanda. Highest water level 17.00, May 25, 1947; lowest 61.70, Feb. 15, 1942. Records available: 1931-50.

Jan. 1	57.13	Apr. 8	28.34	July 9	44.32	Oct. 1	48.84
8	52.59	16	32.48	16	45.26	8	49.53
14	42.43	22	29.19	19	45.58	15	49.96
21	40.63	29	27.38	23	46.03	22	50.35
28	41.89	May 7	26.24	30	46.60	28	50.79
Feb. 4	41.24	14	32.85	Aug. 5	47.25	Nov. 1	52.03
11	41.12	18	35.10	13	48.01	5	51.16
19	32.33	21	35.58	20	48.52	12	48.44
25	32.02	27	37.39	22	48.64	19	47.78
Mar. 4	35.72	June 4	39.19	27	48.99	26	42.50
11	32.46	11	38.45	Sept. 4	48.67	Dec. 3	32.02
19	33.36	14	35.40	10	49.14	10	27.68
26	28.89	18	40.50	17	47.27	17	30.18
Apr. 2	27.86	25	41.87	24	47.86	24	31.90
7	36.67	July 1	43.05	28	48.48	30	32.92

Butler County

120. Ralph Wick. In West Sunbury. Highest water level 6.84, Mar. 14, 1942; lowest 11.22, Oct. 5, 1946. Records available: 1941-50.

120--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	7.52	Apr. 8	8.00	July 8	8.90	Sept. 30	9.08
14	7.45	15	8.71	15	9.00	Oct. 7	9.20
21	8.45	22	8.90	22	8.90	14	9.15
28	7.75	29	8.94	29	8.90	21	9.00
Feb. 6	8.16	May 6	8.96	Aug. 5	9.21	28	9.07
11	7.80	13	8.97	12	8.90	Nov. 4	8.70
18	8.00	20	8.99	19	9.35	11	8.15
25	8.00	27	8.67	26	9.40	18	8.55
Mar. 4	8.65	June 3	8.66	Sept. 2	9.30	Dec. 2	8.05
11	7.90	10	8.77	9	9.41	9	8.66
18	8.36	17	8.80	16	9.15	16	8.92
25	7.05	24	8.67	23	9.00	30	8.70
Apr. 1	8.20	July 1	8.70				

Centre County

124. G. C. Benner. In Milesburg. Highest water level 1.98, Apr. 17, 1948;
lowest 18.86, Sept. 30, 1950. Records available: 1946-50.

Jan. 7	6.18	Apr. 15	5.35	July 1	15.50	Sept. 30	18.86
14	3.46	24	4.35	8	15.77	Oct. 9	14.76
21	6.88	29	7.38	15	15.80	16	15.46
28	7.98	May 6	8.82	22	16.35	23	17.10
Feb. 4	7.80	14	11.29	29	15.08	30	16.97
11	8.50	20	11.75	Aug. 5	16.58	Nov. 6	13.70
18	7.00	June 3	10.74	19	15.16	13	15.88
Mar. 4	7.30	10	13.10	26	17.22	20	16.66
11	10.00	19	14.45	Sept. 2	17.78	27	2.00
18	10.05	21	14.33	9	18.08	Dec. 4	2.30
25	4.28	24	14.80	16	16.62	11	2.88
Apr. 1	8.75	29	15.34	23	18.00	18	4.15
8	4.25						

Clarion County

103. John G. Meisinger. In Clarion. Highest water level 11.36, Apr. 9, 1938;
lowest 20.76, Sept. 23, 1944. Records available: 1932-50.

Jan. 7	11.81	Apr. 4	12.52	June 24	15.40	Sept. 30	17.46
14	12.02	8	12.26	July 1	15.52	Oct. 7	18.75
21	13.15	15	14.52	15	16.07	10	18.76
28	12.55	22	15.01	25	15.75	14	17.38
Feb. 4	13.48	29	12.59	29	14.84	21	18.27
11	13.48	May 6	13.39	Aug. 5	17.02	28	19.17
18	12.10	10	19.39	12	17.86	Nov. 11	14.01
25	12.53	20	14.79	19	17.47	18	15.18
Mar. 4	14.15	27	15.46	26	16.30	Dec. 9	11.77
11	14.78	June 3	15.54	Sept. 2	16.60	16	13.61
18	13.48	10	13.28	9	17.50	19	14.72
25	11.95	22	15.66	16	16.28	23	15.80
Apr. 1	12.53	23	15.24	23	15.82	30	14.95

F14. Commonwealth of Pennsylvania. In Forest State Park, Cooksburg. In pump house alongside camp reservoir. Altitude about 1,530 feet above mean sea level. Drilled well, diameter 6 inches, depth 130 feet. Records available: 1950.

Aug. 9	23.17	Sept. 23	66.50	Oct. 28	71.60	Dec. 8	60.00
28	25.87	30	67.30	Nov. 10	72.80	15	56.92
Sept. 2	64.50	Oct. 7	68.70	17	73.90	22	55.90
9	64.80	14	70.30	22	66.50	28	55.00
16	66.40	21	71.10	Dec. 1	56.90		

Clearfield County

123. Jared I. McNaul. In Curwensville. Highest water level 17.79, Dec. 11, 1950; lowest 21.40, Aug. 31, 1946. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	20.01	Apr. 10	19.06	July 3	20.36	Oct. 2	20.57
9	18.88	17	19.63	10	20.68	9	20.64
16	18.79	24	19.96	17	20.32	16	17.91
23	18.66	May 1	19.54	24	20.43	23	19.97
30	19.34	10	19.81	31	20.37	30	20.16
Feb. 6	19.36	15	19.96	Aug. 7	20.45	Nov. 6	19.05
13	19.49	22	20.10	14	20.57	13	18.94
20	18.32	29	20.12	21	20.52	20	19.23
27	19.46	June 5	20.11	28	20.55	27	17.96
Mar. 6	19.77	12	20.13	Sept. 4	20.36	Dec. 4	17.91
13	19.98	19	20.22	11	20.43	11	17.79
20	18.98	21	20.33	18	20.28	18	18.95
27	18.19	26	20.68	25	20.42	25	17.81
Apr. 3	18.44						

F15. Commonwealth of Pennsylvania. Parker Dam Park, Penfield. Altitude about 1,610 feet above mean sea level. Drilled unused well, diameter 6 inches, depth 148 feet. Records available: 1950.

Aug. 10	13.99	Sept. 8	14.05	Oct. 6	14.51	Nov. 3	13.49
18	14.91	15	14.04	13	13.80	10	12.95
25	14.35	22	14.05	20	13.53	Dec. 15	13.45
Sept. 1	14.37	29	14.38	27	13.73	22	12.90

Clinton County

F12. Commonwealth of Pennsylvania. At State Camp, route 144, Renovo. Well in pump house 200 feet behind Ranger's house. Altitude about 2,050 feet above mean sea level. Drilled well, depth 78 feet. Occasional use during drought years only. Records available: 1950.

Aug. 9	49.50	Sept. 16	49.33	Oct. 28	47.94	Dec. 2	45.55
12	49.76	23	49.32	Nov. 4	47.93	9	45.52
19	49.87	30	49.23	11	47.10	16	44.70
26	49.86	Oct. 7	49.19	18	47.10	23	44.80
Sept. 2	49.78	14	49.18	25	46.06	30	44.70
9	49.65	21	47.95				

Columbia County

75. Fred E. Walters. In Fernville. Highest water level 7.28, Sept. 2, 1933; lowest 16.91, Dec. 15, 1931. Records available: 1931-50.

Jan. 7	11.67	Apr. 8	12.47	July 15	13.03	Oct. 14	15.24
14	12.43	15	13.20	22	13.23	21	15.42
21	13.01	22	12.77	29	13.42	28	15.45
28	13.11	29	12.75	Aug. 5	14.81	Nov. 4	15.54
Feb. 4	12.61	May 6	12.99	12	14.12	11	15.15
11	12.39	13	13.16	19	14.00	18	15.34
18	12.43	20	13.23	26	14.24	25	12.95
25	12.49	27	13.25	Sept. 5	14.59	Dec. 2	13.81
Mar. 4	11.99	June 3	12.36	12	13.82	9	12.36
11	11.89	10	12.35	16	14.29	16	12.80
18	12.99	17	13.03	23	14.05	23	12.77
25	11.25	24	13.65	30	15.83	30	12.27
Apr. 1	12.01	July 8	13.82	Oct. 7	15.23		

Elk County

118. Mrs. Elizabeth Ernst. In Kersey. Highest water level 8.12, June 11, 1943; lowest 12.55, Nov. 11, 1949. Records available: 1941-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	11.02	Apr. 14	9.52	July 10	10.35	Oct. 6	10.25
13	10.35	21	9.70	14	10.32	13	10.02
20	10.45	28	9.64	21	10.25	20	9.99
27	10.35	May 5	9.46	28	10.02	27	10.15
Feb. 3	10.34	12	9.64	Aug. 4	10.04	Nov. 3	10.25
10	10.32	19	9.65	11	10.19	10	10.05
17	10.10	26	9.75	18	10.10	17	9.95
24	10.10	June 2	9.85	25	9.26	24	9.70
Mar. 3	10.04	9	9.89	Sept. 1	10.25	Dec. 1	9.65
10	9.97	16	9.86	8	10.05	8	9.35
17	9.93	22	10.03	15	9.95	15	9.64
24	9.84	23	9.98	22	9.98	22	9.66
31	9.64	30	10.25	29	10.15	29	9.70
Apr. 7	9.44						

Erie County

1. Mrs. Grace P. Estes. Near Carters Corner. Highest water level 8.63, June 8, 1947; lowest dry, Sept. 8-Dec. 1, 1934. Records available: 1931-50.

Jan. 8	10.62	May 7	13.22	July 23	16.74	Oct. 1	16.16
16	11.02	13	13.54	26	15.76	12	16.45
Feb. 5	12.72	28	16.78	Aug. 20	17.08	22	14.02
Mar. 12	11.72	June 18	15.38	29	16.92	Nov. 19	13.54
Apr. 2	10.97	23	16.19	Sept. 11	15.23	Dec. 10	11.41
16	12.43	July 2	17.18				

Huntingdon County

47. Fred M. Schell. Near Trexler Bridge. Highest water level full, Mar. 15, 1941; lowest 26.25, Oct. 1, 1932. Records available: 1931-50.

Jan. 7	17.10	Apr. 15	20.90	July 8	21.08	Oct. 7	21.41
14	17.31	22	21.16	15	20.37	14	18.84
21	19.50	29	21.18	22	20.95	21	20.14
28	20.79	May 6	21.19	29	21.01	28	20.90
Feb. 4	19.72	13	21.31	Aug. 6	21.15	Nov. 4	20.79
11	19.69	20	21.05	12	21.32	11	19.39
18	15.45	27	21.10	19	21.42	18	20.45
25	18.89	June 3	21.26	26	21.06	25	19.08
Mar. 4	20.82	10	21.33	Sept. 2	21.25	Dec. 2	15.09
11	21.04	17	21.35	9	21.28	9	13.63
18	20.48	20	21.36	16	20.42	16	17.41
25	16.90	24	21.45	23	20.89	23	19.49
Apr. 1	16.78	July 1	21.64	30	21.23	30	20.69
8	19.73						

F11. Commonwealth of Pennsylvania. Near Pine Grove Mills. Altitude about 1,060 feet above mean sea level. Drilled well, 6-inch casing, depth 73 feet. Records available: 1950.

June 20	39.12	Sept. 10	38.82	Oct. 20	38.41	Dec. 1	37.33
Aug. 9	39.32	15	38.38	27	38.91	8	36.23
11	39.38	22	38.77	Nov. 3	37.42	16	37.87
18	39.66	29	39.33	11	37.94	22	38.04
25	38.91	Oct. 7	39.69	17	38.29	29	38.26
Sept. 1	39.21	13	37.85	24	37.64		

Indiana County

200. Commonwealth of Pennsylvania. In Indiana. Highest water level 77.28, Jan. 14, 1950; lowest 87.03, Oct. 19, 1946. Records available: 1944-47, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	78.60	Jan. 6	78.16	Jan. 9	77.90	Jan. 12	78.00
4	78.73	7	78.40	10	77.85	13	77.60
5	78.36	8	78.40	11	77.75	14	77.28

Lackawanna County

102. Orval J. Ransom. Near Carbondale. Highest water level 1.05, Dec. 8, 1950; lowest 13.10, Oct. 15, 1943. Records available: 1931-50.

Jan. 6	4.00	Apr. 13	4.40	July 21	4.02	Oct. 14	9.30
13	3.70	21	3.98	28	5.10	20	9.40
20	3.90	28	3.65	Aug. 4	7.12	27	8.50
28	4.70	May 12	4.80	11	7.17	Nov. 3	7.77
Feb. 3	4.78	19	4.85	18	7.38	11	5.89
10	5.63	26	3.68	25	7.08	17	6.34
17	5.28	June 2	3.32	Sept. 1	7.80	24	5.65
23	5.90	10	4.60	8	8.48	Dec. 1	3.80
Mar. 3	6.50	16	4.66	15	7.95	8	1.05
10	3.75	23	4.95	22	7.75	15	4.32
17	4.86	30	6.35	29	8.37	23	5.18
24	3.30	July 7	6.80	Oct. 6	9.02	29	5.44
31	2.50	14	6.53				

Luzerne County

F9a. Commonwealth of Pennsylvania. Near Red Rock. Highest water level 9.29, Dec. 31, 1949; lowest dry, Oct. 14-Dec. 9, 1949. Records available: 1948-50.

Jan. 6	11.65	Apr. 14	11.45	July 15	16.41	Oct. 13	21.95
13	10.50	21	10.99	21	17.56	20	22.18
20	11.54	28	12.54	28	16.30	27	22.05
27	12.10	May 5	12.42	Aug. 4	18.22	Nov. 3	22.67
Feb. 3	12.10	12	12.99	11	18.74	11	21.78
10	12.60	19	13.54	18	19.35	18	22.60
17	11.05	26	13.69	25	19.90	24	18.12
24	11.65	June 2	10.29	Sept. 1	20.36	Dec. 2	11.56
Mar. 3	12.60	9	10.78	8	20.80	9	10.46
10	13.50	16	11.40	15	21.13	15	11.43
17	11.86	23	12.45	22	19.98	22	12.54
24	9.96	30	13.64	29	21.50	30	12.20
31	10.08	July 7	15.06	Oct. 6	21.80		

F9b. Commonwealth of Pennsylvania. Near Red Rock. Highest water level 37.38, Mar. 31, 1950; lowest 45.77, Oct. 28, 1949. Records available: 1948-50.

Jan. 6	40.88	Feb. 24	40.41	Apr. 21	41.02	June 9	38.95
13	38.70	Mar. 3	41.46	28	41.10	16	40.70
20	40.60	10	41.62	May 5	41.12	23	41.75
27	41.55	17	40.65	12	41.57	30	42.16
Feb. 3	41.40	24	38.51	19	42.15	July 7	43.01
10	41.45	31	37.38	26	42.28	15	43.45
17	40.79	Apr. 14	39.69	June 2	40.24	21	43.70

Lycoming County

F10. Commonwealth of Pennsylvania. At pump station, on State Highway 44. Highest water level 10.97, Dec. 11, 1950; lowest 21.77, Aug. 8, 1949. Records available: 1949-50.

F10--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	18.00	Mar. 13	17.05	June 19	15.90	Oct. 2	18.68
9	16.78	20	17.27	26	16.55	9	18.13
16	14.00	Apr. 3	13.70	July 10	17.58	23	15.56
23	15.57	10	11.35	17	18.26	30	17.42
30	16.68	18	12.10	Aug. 14	19.80	Nov. 13	18.04
Feb. 6	17.05	24	12.95	21	18.59	20	16.21
13	17.03	May 1	14.90	Sept. 5	16.73	27	15.67
20	16.81	17	15.00	11	17.24	Dec. 4	11.91
27	17.00	23	15.94	18	17.78	11	10.97
Mar. 6	17.82	30	16.00	25	17.80	18	12.81

Mifflin County

117. Charles C. Naginey. In Naginey. Highest water level 5.88, Dec. 4, 1950; lowest 23.66, Sept. 25, 1948. Records available: 1941-42, 1946-50.

Jan. 7	14.54	Apr. 8	16.09	July 16	21.28	Oct. 9	17.37
14	15.23	15	17.93	23	22.11	15	18.05
21	17.74	22	19.09	30	22.64	23	19.45
28	18.61	29	18.02	Aug. 7	21.65	29	20.07
Feb. 4	17.39	May 6	18.04	13	22.27	Nov. 6	16.60
11	17.33	13	18.63	20	20.25	13	18.41
18	13.49	20	17.40	28	21.98	19	19.23
25	16.56	28	18.02	Sept. 3	20.15	Dec. 4	5.88
Mar. 4	18.84	June 4	16.56	10	21.58	10	10.06
11	18.60	11	17.39	17	21.24	18	15.61
19	18.23	18	18.42	24	21.91	24	16.85
25	12.85	25	19.10	Oct. 1	22.07	30	17.17
Apr. 1	13.94	July 9	20.82				

Montgomery County

126. Commonwealth of Pennsylvania. In Pottstown. Highest water level 21.04, May 14, 1948; lowest 27.34, Aug. 25, 1950. Records available: 1948-50.

Jan. 4	25.76	Apr. 14	25.32	July 13	24.74	Oct. 12	26.66
6	25.13	20	26.36	14	25.89	13	26.61
13	25.07	21	26.38	21	26.61	20	26.98
17	25.91	28	26.36	27	26.77	26	26.27
20	25.24	May 3	26.13	28	26.95	27	26.49
27	25.75	5	25.03	Aug. 4	27.07	Nov. 3	26.81
31	26.24	12	26.45	9	27.02	9	26.97
Feb. 3	22.75	18	26.47	11	27.11	10	27.13
10	23.21	19	25.68	18	27.25	17	27.18
17	21.33	26	23.94	25	27.34	21	27.08
24	24.75	31	24.91	Sept. 1	27.24	24	27.32
Mar. 3	25.62	June 2	22.39	8	27.14	Dec. 1	25.34
10	25.14	9	25.41	14	26.95	8	22.32
16	22.43	14	26.17	15	25.84	15	24.14
17	24.21	16	26.33	22	26.44	19	23.47
23	25.00	23	26.43	27	26.72	22	24.80
24	21.56	29	26.86	29	26.91	28	24.81
31	23.92	30	26.82	Oct. 6	27.04	29	24.87
Apr. 7	24.77	July 7	27.01				

131. Gottfried Ott. Near Schwenksville. Highest water level 6.65, Dec. 22, 1949; lowest 13.80, Oct. 21, 1949. Records available: 1948-50.

Jan. 11	8.63	May 3	9.66	July 27	13.24	Oct. 26	12.40
24	9.52	18	11.31	Aug. 9	12.32	Nov. 9	12.70
Feb. 21	8.79	31	8.91	Sept. 13	10.41	21	13.03
Mar. 23	9.44	June 14	9.60	27	12.45	Dec. 14	8.63
Apr. 21	11.30	29	9.68	Oct. 12	13.44	28	10.44

Perry County

61. Miss Bertha Demaree. In Newport. Highest water level 7.58, Apr. 27, 1940; lowest 18.59, May 28, 1943. Records available: 1931-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	16.72	Mar. 18	14.02	May 28	13.86	Sept. 10	13.64
7	16.52	26	12.98	June 5	13.85	16	13.74
14	16.18	31	12.40	26	12.70	24	14.37
21	15.97	Apr. 10	12.63	July 9	14.73	30	14.80
28	16.02	15	12.83	15	14.70	Oct. 8	15.06
Feb. 4	15.94	21	13.12	22	14.45	14	14.87
10	14.53	22	13.26	29	14.41	22	15.11
12	15.88	29	13.55	31	14.50	Nov. 5	15.24
18	14.43	May 5	13.63	Aug. 6	14.65	11	15.38
25	14.58	14	13.92	13	14.83	15	15.46
Mar. 5	13.80	21	13.83	20	11.05	18	15.61
11	13.94	22	13.16	27	14.16	Dec. 18	12.53

110. I. L. Ziegler. Near Millerstown. Highest water level 1.63, May 7, 1943; lowest 9.33, Dec. 11, 1939. Records available: 1936-47, 1950. Jan. 4, 2.68; Feb. 9, 2.90; Mar. 16, 2.87; Apr. 20, 2.74; May 22, 2.60; Oct. 10, 2.49; Nov. 13, 2.53.

Philadelphia County

P3. City of Philadelphia. In south Philadelphia, in League Island Park. Highest water level 23.93, Dec. 4, 1950; lowest 37.09 June 16, 1950. 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	.....	.....	.....	.....	31.30	30.75	32.68	.....	22.28	.....	27.95	29.21
2	.....	.....	.....	.....	31.70	32.32	31.79	.....	29.70	.....	27.90	26.32
3	.....	.....	.....	.....	31.30	29.69	33.74	.....	28.20	.....	27.72	24.45
4	.....	.....	.....	.....	31.87	29.07	.....	26.73	28.40	27.24	25.70	23.93
5	33.16	.....	.....	.....	31.86	.....	32.40	27.22	27.25	26.90	25.16	27.67
6	.....	30.83	.....	.....	31.08	.....	33.80	26.34	25.82	26.61	26.82	27.34
7	33.00	.....	.....	.....	29.12	31.88	32.60	26.58	26.87	26.09	28.11	26.78
8	32.33	32.71	.....	.....	31.05	32.40	30.49	26.56	27.92	25.32	27.08	27.88
9	32.42	32.22	34.01	.....	.....	32.78	31.10	27.32	25.87	25.09	30.19	27.74
10	32.90	32.40	.....	.....	.....	31.68	30.64	29.80	.....	25.60	26.88	24.96
11	33.21	32.47	.....	.....	.....	29.30	34.37	29.00	.....	25.70	28.77	27.42
12	33.28	.....	.....	.....	.....	33.33	34.55	28.30	.....	25.86	27.22	28.12
13	.....	32.01	.....	.....	.....	35.70	28.55	26.04	.....	25.73	30.26	27.67
14	33.04	.....	.....	.....	.....	35.39	28.50	26.25	27.10	25.78	29.82	29.67
15	31.98	31.20	32.80	.....	.....	33.50	27.20	27.80	26.97	25.39	29.84	29.66
16	30.89	.....	.....	.....	.....	37.00	.....	27.45	26.22	25.68	29.78	28.57
17	31.83	.....	.....	.....	.....	35.26	.....	28.73	25.69	26.84	26.98	25.46
18	31.58	31.90	.....	30.40	.....	33.33	.....	28.85	26.80	27.21	26.64	27.53
19	.....	.....	.....	31.69	.....	35.20	33.25	27.01	.....	26.70	24.87	27.92
20	.....	.....	.....	32.30	.....	35.80	31.50	25.60	27.04	25.57	25.98	29.35
21	.....	31.58	.....	32.28	.....	35.98	31.14	25.85	27.28	25.58	27.35	29.66
22	.....	.....	.....	.....	.....	35.60	29.99	26.60	26.78	24.60	25.44	29.48
23	.....	.....	.....	.....	.....	.....	26.70	26.70	.....	25.41	25.06	26.70
24	.....	.....	.....	.....	.....	.....	.....	26.69	.....	26.45	24.91	24.92
25	31.59	.....	.....	.....	.....	.....	.....	26.80	.....	27.72	22.95	24.90
26	31.54	.....	.....	.....	.....	.....	31.70	29.10	.....	27.21	23.86	25.40
27	31.55	.....	.....	31.43	.....	.....	32.79	25.92	27.08	27.73	25.50	29.07
28	.....	.....	.....	32.32	.....	.....	31.00	29.55	27.66	25.83	27.94	29.50
29	.....	.....	.....	30.80	.....	35.00	.....	27.19	.....	25.32	27.62	28.83
30	.....	.....	.....	31.01	29.20	34.53	.....	29.50	.....	25.22	28.42	26.53
31	32.74	.....	.....	.....	29.74	.....	.....	31.49	.....	27.12	.....	24.96

P4. City of Philadelphia. In south Philadelphia, at Southwest Airport. Highest water level 8.49 Dec. 21, 1945; lowest 14.76, Nov. 19, 1948. 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	12.35	13.3	13.1	13.6	13.5	14.1	13.9	.....	.....	13.41	.....
2	13.7	13.2	13.6	13.4	14.2	14.0	.....	.....	.....	.....
3	14.0	13.3	13.6	13.4	14.1	13.8	.....	.....	.....	.....
4	14.0	13.3	13.5	13.3	14.1	.....	.....	13.46	.....	.....
5	12.90	13.8	13.4	13.5	13.3	14.1	.....	.....	.....	.....	.....
6	13.9	13.5	13.4	13.3	14.1	.....	12.98	.....	.....	11.62
7	14.0	13.5	13.5	13.4	14.1	.....	.....	.....	.....	.....
8	13.7	13.4	13.7	13.5	14.2	.....	.....	.....	13.22	.....
9	13.8	13.6	13.6	13.5	14.2	12.47	.....	.....	.....	.....
10	12.10	13.9	13.5	13.5	13.4	13.8	.....	.....	.....	.....	.....
11	13.8	13.3	13.7	13.6	13.5	.....	.....	13.57	.....	.....
12	13.6	13.5	13.7	13.7	13.6	.....	.....	.....	.....	.....
13	13.1	13.5	13.7	13.7	13.6	.....	12.94	.....	.....	11.72
14	13.2	13.7	13.8	13.7	13.8	.....	.....	.....	.....	.....
15	11.40	13.2	13.7	13.8	13.9	13.9	.....	.....	.....	13.40	.....
16	13.4	13.7	13.5	13.8	13.6	12.71	.....	.....	.....	.....
17	13.4	13.7	13.5	13.7	13.1	.....	.....	.....	.....	.....
18	12.65	13.5	13.8	13.6	13.9	13.1	.....	.....	13.69	.....	.....
19	13.9	13.8	13.3	13.9	13.3	.....	.....	.....	.....	.....
20	11.47	13.8	13.8	13.3	13.8	13.3	.....	12.84	.....	.....	12.03
21	13.5	13.4	13.8	13.3	13.7	13.4	.....	.....	.....	.....	.....
22	13.2	13.2	13.9	13.4	13.9	13.4	.....	.....	.....	13.39	.....
23	13.2	12.5	13.7	13.4	13.8	13.5	12.75	.....	.....	.....	.....
24	13.3	12.8	13.8	13.3	13.7	13.5	.....	.....	.....	.....	.....
25	13.5	12.8	13.7	13.4	13.8	13.5	.....	.....	13.17	.....	.....
26	12.87	13.4	13.0	13.6	13.4	13.8	13.6	.....	.....	.....	.....
27	13.5	12.9	13.7	13.4	13.8	13.7	.....	13.11	.....	12.47
28	13.4	12.8	13.4	13.5	14.0	13.7	.....	.....	.....	.....
29	12.8	13.4	13.5	14.1	13.8	.....	.....	11.32	.....
30	13.1	13.6	13.4	14.1	13.8	12.88	.....	.....	.....
31	13.1	13.5	.....	13.9	.....	.....	.....	.....	.....

P5. U. S. Navy. In south Philadelphia, at Naval Hospital. Highest water level 22.82, Jan. 11, 1946; lowest 30.70, Nov. 9, 1945. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	28.77	Apr. 12	27.77	July 12	28.46	Oct. 4	25.99
13	28.97	19	27.80	19	28.14	11	25.44
18	28.02	26	27.87	26	27.48	18	25.98
26	27.98	May 3	27.91	Aug. 3	25.83	25	26.19
Feb. 1	28.80	10	27.67	9	26.27	Nov. 1	26.16
10	28.13	17	27.76	16	26.15	8	26.19
17	27.98	24	27.52	23	25.89	15	26.39
21	27.94	29	26.97	30	26.44	22	25.41
Mar. 2	28.62	June 7	27.80	Sept. 6	25.55	29	25.92
15	28.49	14	28.99	13	26.25	Dec. 6	26.06
22	28.95	20	28.89	20	25.98	13	26.20
29	28.54	28	29.35	27	26.02	20	26.68
Apr. 5	27.50	July 5	27.13	.....	.....	.....	.....

P6. U. S. Navy. In south Philadelphia, at Naval Hospital. Highest water level 23.73, Apr. 8, 1946; lowest 29.19, Nov. 9, 1945. Records available: 1944-50.

P6--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	27.33	Apr. 5	26.62	July 12	26.99	Oct. 11	24.75
13	27.39	12	26.61	19	26.74	18	25.11
18	26.79	19	26.53	26	26.22	25	25.23
26	26.75	26	26.55	Aug. 3	25.08	Nov. 1	25.20
Feb. 1	27.35	May 3	26.60	9	25.36	8	25.27
10	26.84	10	26.40	16	25.28	15	25.35
17	26.65	17	26.48	23	25.16	22	24.73
21	26.67	29	25.80	30	25.57	29	25.01
Mar. 2	27.12	June 7	26.45	Sept. 6	24.89	Dec. 6	25.07
9	27.33	14	27.36	13	25.31	13	25.15
15	27.06	20	27.35	20	25.12	20	25.36
22	27.40	28	27.63	27	25.13	27	25.40
29	27.09	July 5	26.05	Oct. 4	25.09		

P8. McCahan Sugar Co. In south Philadelphia. Highest water level 33.24, Dec. 29, 1947; lowest 61.57, Sept. 16, 1944. Records available: 1944-50.

Jan. 5	33.32	Apr. 19	35.60	July 19	44.68	Oct. 18	48.81
26	36.00	26	35.56	26	49.32	25	50.47
Feb. 10	36.86	May 10	40.41	Aug. 3	53.46	Nov. 1	51.89
15	36.54	17	40.46	9	51.88	8	49.07
21	36.10	24	40.53	16	52.65	15	49.23
Mar. 2	36.39	31	40.04	23	53.25	22	50.87
8	35.57	June 7	40.87	30	53.14	29	49.71
15	35.80	14	39.72	Sept. 6	52.11	Dec. 6	49.52
22	35.45	20	36.54	20	51.54	13	49.45
29	35.58	28	38.99	27	51.82	20	50.02
Apr. 5	35.50	July 5	40.81	Oct. 4	50.05	27	49.64
12	35.60	12	43.02	11	49.84		

P9. Crown Paperboard Co. In south Philadelphia. Highest water level 28.96, Jan. 2, 1950; lowest 46.32, Aug. 11, 1950. 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	29.22	32.33	33.04	32.45	33.06	34.94	36.94	.....	46.13	38.84	43.68	44.23
2	28.96	32.79	33.78	31.67	35.39	36.46	34.69	.....	45.10	41.45	44.37	42.76
3	29.95	33.06	34.13	32.65	34.97	36.32	36.08	45.56	39.10	43.09	44.58	41.64
4	31.34	31.13	33.12	33.43	35.62	33.92	36.01	45.83	42.58	43.92	43.73	41.87
5	31.73	30.60	31.57	33.54	35.06	35.61	37.37	45.41	44.88	43.81	40.52	43.38
6	31.36	31.41	32.61	34.10	32.75	37.12	37.79	.....	45.76	44.00	42.16	41.74
7	31.27	32.82	33.29	34.02	31.74	36.02	39.00	.....	45.43	43.08	43.50	42.63
8	30.80	33.76	.....	31.83	33.45	35.00	38.53	.....	45.46	38.05	41.94	43.19
9	30.34	34.28	34.00	31.47	36.91	36.52	36.60	45.14	45.47	41.12	40.42	42.45
10	31.33	34.99	34.15	32.00	36.37	35.93	37.53	45.42	41.34	43.11	42.25	37.10
11	32.50	31.54	32.52	33.20	36.58	33.04	38.09	46.32	41.20	43.59	42.32	38.75
12	32.43	30.18	31.69	33.65	37.40	36.02	38.88	45.24	43.19	42.46	37.50	41.52
13	31.63	32.28	32.26	33.60	35.00	35.97	39.10	39.03	43.91	42.90	41.00	41.07
14	31.13	33.62	33.63	33.68	32.00	35.48	39.08	43.00	43.73	42.42	42.79	44.00
15	30.43	34.11	33.52	33.00	34.30	34.42	38.21	44.98	44.79	38.15	42.40	44.25
16	30.24	33.12	33.78	31.59	37.92	34.33	35.67	45.99	44.64	41.05	43.10	44.81
17	31.67	.....	33.56	32.40	35.94	33.80	38.35	45.73	40.03	42.86	44.01	38.81
18	31.63	.....	32.79	33.55	35.86	33.30	38.92	45.59	43.38	43.38	43.73	41.46
19	31.94	.....	31.79	33.91	37.53	33.47	42.10	45.08	44.67	42.10	38.95	43.44
20	32.12	.....	32.31	33.23	36.24	33.56	43.08	37.42	44.66	43.36	41.59	44.10
21	30.73	33.34	33.18	33.98	32.12	32.68	43.24	43.10	44.10	44.20	44.19	44.20
22	29.20	32.87	33.24	32.82	35.48	32.58	42.76	45.44	44.42	37.71	45.32	44.30
23	30.08	33.18	33.10	31.50	36.73	33.23	37.11	46.02	44.70	40.67	43.97	43.36
24	31.03	33.48	34.05	32.73	36.03	32.93	41.27	45.96	38.52	43.10	43.66	36.81
25	31.56	32.48	32.20	34.30	35.68	32.00	42.74	45.90	42.13	43.66	39.74	40.56
26	31.45	31.18	31.40	34.23	37.20	32.62	43.52	44.58	43.51	44.40	37.96	43.02
27	31.59	32.50	32.25	35.30	37.50	34.81	43.39	41.22	45.18	44.99	42.33	44.38
28	30.19	33.62	33.28	35.70	33.37	37.07	44.26	43.71	45.51	44.61	44.16	43.80
29	29.33	.....	33.58	32.78	35.73	36.05	43.06	45.29	45.39	39.35	44.89	44.51
30	30.78	.....	34.08	31.64	35.41	37.15	37.67	45.44	45.20	41.71	44.12	43.47
31	32.54	.....	34.20	.....	35.13	.....	.....	45.51	.....	44.09	.....	38.52

P10. Spatola Wines, Inc. Delaware Ave. and Mifflin St. Spatola well 2. Well casing set in concrete foundation which is about 3 feet above ground level, at end of railroad siding. Altitude about 10 feet above mean sea level. Drilled well, diameter 10 inches, depth 165 feet. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	40.70	Jan. 31	40.75	Feb. 23	42.27	Mar. 15	42.49
7	40.49	Feb. 1	40.93	24	43.00	16	43.18
9	38.22	2	41.79	25	38.46	17	43.15
10	40.49	3	41.70	26	36.45	18	41.04
11	42.30	4	37.47	27	40.97	19	37.70
12	42.50	5	35.43	28	42.76	20	40.09
13	41.01	6	38.76	Mar. 1	41.32	21	42.10
14	40.00	7	42.58	2	43.75	22	42.69
15	37.28	8	43.97	3	43.80	23	42.95
18	40.41	10	45.00	4	38.73	24	44.80
19	40.09	11	37.91	5	36.97	25	38.98
25	41.01	12	35.90	6	41.15	29	42.37
26	41.13	15	43.39	7	42.33	Apr. 12	42.57
27	40.75	16	41.80	9	44.40	26	46.64
28	35.24	17	41.40	10	44.65	Sept. 25	59.98
29	34.33	21	42.89	11	39.27	27	66.36
30	39.31	22	42.72	12	37.49	Nov. 15	63.41

N1. U. S. Navy. In south Philadelphia, on League Island. Lowest water level (pumping) June 28, 30, 1950, 184.5. 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	.....	169.0	172.5	176.0	174.5	178.0	183.0	170.5	168.5	.....	.....	173.0
2	.....	168.5	172.5	171.0	174.5	179.0	182.0	.....	.....	.....	169.5	169.5
3	162.0	169.5	172.5	173.5	174.5	178.0	183.0	169.5	.....	.....	169.5	.....
4	166.5	169.5	173.0	174.5	175.0	177.0	181.0	177.0	.....	164.5	.....	169.0
5	166.5	164.5	171.5	172.0	175.5	177.5	181.0	.....	.....	165.0	.....	172.0
6	.....	167.0	172.0	175.5	175.5	178.0	183.5	.....	.....	.....	170.0	171.0
7	.....	.....	176.0	171.0	172.5	180.0	183.0	.....	.....	.....	171.0	171.5
8	.....	165.5	173.5	171.5	174.5	180.0	.....	.....	167.5	.....	170.0	172.5
9	168.5	167.5	173.5	170.5	175.5	180.5	.....	167.0	.....	162.0	170.0	172.0
10	169.5	168.0	174.5	.....	175.0	180.0	182.0	.....	.....	.....	169.5	.....
11	170.0	169.5	174.0	172.5	175.5	178.0	184.0	170.0	.....	.....	170.0	172.0
12	170.5	166.0	171.5	174.0	176.5	178.0	.....	.....	174.0	166.5	.....	173.0
13	170.5	168.0	170.5	173.5	175.5	181.0	.....	.....	174.0	165.5	170.0	173.0
14	170.0	168.0	173.5	174.0	173.5	181.0	.....	.....	.....	.....	170.0	174.0
15	170.0	168.0	174.0	173.5	175.0	181.0	.....	165.0	.....	.....	170.0	174.0
16	.....	168.5	174.0	171.5	177.0	181.0	.....	.....	.....	165.5	170.0	173.5
17	.....	168.5	174.0	174.0	177.5	180.0	.....	169.0	.....	168.0	170.0	170.0
18	165.5	169.0	174.5	173.0	176.0	177.0	.....	172.5	.....	168.5	170.0	173.0
19	166.5	167.5	174.5	174.0	177.0	.....	.....	.....	167.5	168.5	167.5	173.0
20	167.0	168.5	173.0	176.0	178.0	.....	177.5	.....	.....	.....	169.0	174.5
21	167.5	169.0	173.0	177.0	174.5	.....	.....	.....	165.0	.....	171.0	174.5
22	166.0	168.5	176.0	176.0	176.5	.....	.....	.....	164.5	.....	168.0	174.5
23	166.0	168.5	175.0	172.5	178.0	.....	.....	172.0	.....	168.0	168.0	171.5
24	167.0	170.0	176.0	173.5	178.0	.....	177.0	167.0	.....	169.0	167.5	170.0
25	167.0	171.5	175.5	174.0	178.0	.....	181.5	167.0	162.0	171.0	.....	170.5
26	167.5	170.0	170.5	174.0	182.5	181.5	177.5	.....	.....	169.5	166.5	172.0
27	167.0	171.5	174.0	175.0	177.5	184.0	177.0	.....	163.5	171.5	169.5	175.0
28	167.0	172.0	174.5	175.0	175.0	184.5	178.0	165.0	.....	.....	171.5	175.0
29	166.0	.....	175.5	175.0	176.5	184.0	178.0	165.5	.....	.....	171.5	171.5
30	166.0	.....	175.5	174.5	176.5	184.5	.....	164.5	.....	168.0	172.0	172.0
31	167.5	.....	176.0	.....	176.0	.....	171.5	167.0	.....	.....	.....	171.0

N2. U. S. Navy. In south Philadelphia, on League Island. Lowest water level (pumping) Jan. 26, 1950, 190.5. 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	.....	183.0	184.5	182.5	180.5	.....	.....	.....	182.0	.....	.....	186.5
2	.....	183.0	185.5	.....	185.5	.....	.....	.....	.....	170.0	.....	.....
3	.....	184.0	186.5	174.5	.....	.....	.....	.....	.....	.....	.....	.....
4	170.0	170.5	187.5	176.5	.....	.....	.....	180.0	.....	.....	.....	168.5
5	173.0	171.0	.....	173.5	.....	168.0	.....	.....	174.5	172.5	.....	175.0
6	178.0	178.0	179.5	.....	.....	171.0	.....	.....	.....	172.0	168.0	.....
7	180.0	168.5	185.0	.....	.....	172.5	172.0	177.0	.....	.....	171.5	177.0
8	181.0	173.5	184.5	.....	.....	174.0	172.0	179.0	175.5	.....	172.5	180.0
9	183.0	177.5	185.5	.....	.....	175.0	.....	181.0	.....	.....	173.0	181.0
10	185.5	178.0	187.0	.....	.....	175.0	170.0	179.0	.....	.....	170.0	177.0
11	186.5	181.0	186.5	176.5	.....	173.0	174.0	185.5	.....	.....	.....	182.5
12	186.5	176.5	.....	181.5	.....	174.0	175.0	.....	174.5	.....	.....	184.5
13	186.5	179.5	175.0	.....	.....	177.5	170.0	.....	175.5	.....	173.0	185.0
14	187.0	180.0	180.0	.....	.....	178.0	.....	173.0	177.5	.....	178.0	186.5
15	186.5	180.5	182.0	.....	.....	178.0	.....	176.5	179.0	.....	181.5	187.0
16	184.5	181.5	183.0	.....	.....	179.0	.....	174.0	.....	.....	182.0	.....
17	185.5	182.0	183.5	180.0	.....	.....	172.0	180.5	.....	.....	178.0	.....
18	187.0	182.5	184.0	182.0	.....	.....	176.0	182.0	177.5	.....	178.0	177.5
19	187.5	182.5	183.5	.....	.....	.....	179.0	.....	183.0	.....	.....	180.5
20	189.0	184.0	176.5	185.0	.....	.....	180.0	.....	182.5	.....	184.0	182.5
21	189.5	185.0	168.0	186.5	.....	.....	.....	173.0	.....	.....	187.0	183.0
22	188.0	185.0	176.5	187.5	.....	.....	.....	175.0	.....	.....	.....	183.5
23	188.5	185.0	177.0	.....	.....	.....	.....	176.0	.....	.....	.....	.....
24	189.0	187.5	179.0	.....	.....	.....	169.0	.....	.....	.....	.....	.....
25	189.0	189.5	178.0	181.0	.....	.....	176.5	178.5	.....	.....	.....	.....
26	190.5	.....	.....	183.0	.....	.....	.....	.....	.....	.....	.....	172.0
27	181.5	182.0	176.0	.....	188.0	.....	172.5	.....	.....	.....	180.5	179.5
28	181.0	183.5	178.5	186.0	185.5	169.5	174.5	174.0	172.5	.....	187.5	181.0
29	179.0	.....	181.0	186.0	.....	170.0	.....	173.0	.....	.....	189.5	182.0
30	180.0	.....	181.5	186.0	.....	171.0	.....	.....	.....	.....	186.5	.....
31	182.0	.....	182.0	.....	.....	.....	174.0	179.5	.....	.....	.....	.....

N3. U. S. Navy. In south Philadelphia, on League Island. Lowest water level (pumping) Jan. 24, Feb. 26, 1944, 90.0. Records available: 1943-50.

Daily noon water level, from recorder graph

[illegible]

N3--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	72.0	71.0	69.0	....	75.0	72.0	....	....	....	....	....	....
27	74.0	73.5	73.5	67.5	....	....	....	....	....	....	....	....
28	75.5	73.5	74.5	73.0	....	73.5	....	....	....	....	....	....
29	74.5		74.0	....	....	73.5	....	....	....	....	68.0	....
30	73.0		74.5	....	....	72.0	....	....	....	....	69.0	....
31	76.5		74.5	....	....	....	....	....	....	....	....	....

N4. U. S. Navy. In south Philadelphia, on League Island. Lowest water level (pumping) Jan. 27, 29, 1944, 90.0. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	62.0	Jan. 8	61.5	Jan. 11	63.5	Jan. 14	63.0
5	63.5	9	62.0	12	63.5	Dec. 21	59.5
6	63.0	10	63.5	13	63.5	22	58.5
7	62.5						

N5. U. S. Navy. In south Philadelphia, on League Island. (Extremes not adjusted for fluctuations caused by Delaware River tides) Highest water level 31.5, Nov. 25, 1950, 2 p. m.; lowest 52.0, Feb. 3, 1950, 9:00 p. m. Records available: 1943-50.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	45.7	50.4	49.6	48.8	47.5	46.6	44.6	40.4	42.2	38.1	41.1	43.0
2	46.6	50.7	50.0	42.7	47.8	....	42.4	40.2	40.4	....	40.5	37.8
3	46.6	51.1	50.3	47.2	47.0	....	45.3	41.1	38.7	....	40.9	35.0
4	50.0	48.8	50.5	48.0	48.4	....	41.8	40.1	38.4	....	38.5	35.6
5	(a)	43.0	47.2	45.6	48.4	....	41.2	40.0	39.5	40.7	38.4	40.4
6	(a)	47.3	49.0	49.6	47.4	....	45.2	39.7	38.5	40.5	39.4	39.6
7	(a)	48.2	50.0	46.0	43.6	....	45.5	39.8	40.0	39.6	41.0	38.4
8	(a)	46.9	49.5	43.3	46.8	....	43.6	40.7	41.3	38.3	39.3	....
9	49.6	46.7	50.6	42.2	47.8	....	42.6	42.3	39.3	38.3	39.5	....
10	(a)	46.8	50.8	....	48.2	....	45.5	41.9	38.3	38.6	38.4	....
11	(a)	46.8	50.4	....	48.3	....	48.8	42.7	38.1	38.8	36.4	....
12	(a)	43.7	46.4	....	48.4	....	48.9	41.7	40.1	38.7	34.3	....
13	(a)	45.8	47.1	46.9	45.9	....	45.4	39.1	40.6	38.8	37.3	....
14	(a)	46.0	49.4	48.6	42.6	....	43.7	39.2	40.0	38.4	38.5	41.8
15	48.5	45.8	49.6	45.9	45.6	....	40.9	40.6	40.1	37.8	38.2	42.6
16	47.9	46.1	50.0	42.3	47.6	....	39.2	40.8	39.4	37.6	38.4	41.4
17	49.2	46.2	49.7	47.2	48.0	....	41.7	41.9	38.4	39.0	38.8	36.4
18	48.0	46.5	50.3	46.0	45.3	....	46.1	42.0	39.2	39.9	38.1	37.3
19	48.0	43.2	49.8	48.1	45.6	....	46.1	40.5	41.4	39.4	35.7	38.8
20	48.0	45.4	48.2	49.2	46.8	....	43.0	38.6	40.5	38.6	37.1	41.9
21	47.2	45.7	49.4	49.1	41.4	....	42.6	39.5	41.2	38.6	39.8	42.8
22	45.6	45.3	50.2	47.4	45.2	....	40.6	40.3	40.0	37.1	36.1	42.1
23	47.2	45.1	49.8	42.9	47.4	....	39.4	40.6	39.1	37.4	35.6	36.9
24	47.2	46.4	50.5	45.7	47.8	....	39.6	40.4	38.8	38.8	34.8	35.6
25	47.2	49.1	48.6	46.7	48.1	....	42.3	40.5	38.9	40.4	32.6	36.0
26	47.2	46.3	45.0	48.0	49.4	....	43.4	39.4	38.8	40.3	33.1	36.1
27	47.3	49.0	48.2	47.2	44.4	....	44.2	38.6	39.8	40.6	35.1	41.4
28	47.4	49.2	49.5	49.1	41.5	....	41.2	39.4	40.2	38.6	40.0	42.0
29	44.5		49.9	46.2	44.2	48.7	37.1	40.6	39.3	37.8	39.5	40.9
30	47.8		50.4	46.7	42.8	48.0	37.0	40.6	39.2	38.0	41.8	37.4
31	49.9		50.3		44.0		38.3	41.0		40.2		34.7

a Lower level than 50.0 feet.

N8. U. S. Navy. In south Philadelphia, on League Island. Lowest water level (pumping) Oct. 20, Dec. 8, 13, 1949, 91.5. 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	84.5	89.5	86.0	80.0	77.0	....	....	70.5	....	....	70.5	....
2	86.0	90.0	86.5	....	78.0	77.5	....	....	71.0	....	70.5	....
3	....	90.5	87.0	....	75.5	....	75.0	....	72.0	....	69.5	....
4	....	83.0	86.5	....	78.5	....	....	73.0	71.5	71.5	....	....
5	....	75.5	80.0	77.5	78.5	....	....	70.5	72.5	73.5	....	....
6	....	86.5	85.5	80.5	....	....	83.0	70.0	71.5	73.0	68.0	....
7	89.5	....	87.0	....	....	76.0	84.0	....	74.5	....	....	....
8	87.5	....	86.5	....	76.5	78.0	76.5	....	75.5	....	....	....
9	88.5	....	....	....	77.0	78.0	77.0	79.0	72.5	....	....	....
10	89.5	....	88.0	....	78.5	....	86.0	77.5	70.5	....	....	....
11	84.0	....	86.0	....	78.5	....	89.5	74.5	70.5	....	....	....
12	84.0	....	79.0	77.0	78.0	....	90.0	69.0	75.5	....	....	....
13	90.0	....	83.0	74.5	....	77.5	87.5	....	74.5	....	....	....
14	89.5	....	86.5	76.0	....	78.5	85.0	....	75.0	....	....	....
15	84.5	....	86.5	....	....	78.0	74.5	72.5	74.5	....	....	....
16	85.5	....	87.0	....	....	78.5	72.5	71.0	72.5	....	....	....
17	87.0	....	87.0	77.0	....	74.0	84.0	75.0	....	....	....	....
18	84.5	....	86.5	75.5	76.0	....	87.5	75.0	72.5	....	....	....
19	84.0	....	85.5	77.5	76.5	74.5	85.0	70.5	76.0	....	....	....
20	84.5	....	84.5	78.0	75.0	76.0	80.5	....	73.5	....	....	....
21	79.5	....	85.0	78.0	....	76.0	80.5	....	73.0	....	....	....
22	79.0	....	87.0	74.0	....	77.0	75.0	73.0	72.0	....	....	....
23	83.5	....	86.0	....	76.0	....	73.0	73.0	....	....	....	....
24	84.0	82.5	86.5	74.0	77.0	....	72.5	72.5	....	....	....	....
25	84.0	84.5	82.5	76.0	78.5	....	78.5	72.0	....	....	....	....
26	85.5	81.5	....	78.0	78.5	....	77.0	....	....	71.0	....	....
27	84.0	85.5	81.0	78.0	....	74.5	....	....	71.5	72.0	....	....
28	84.0	86.0	82.5	79.5	....	77.5	....	71.0	72.0	65.5	....	....
29	79.0	....	82.5	....	....	78.0	71.5	72.5	....	....	....	....
30	87.0	....	82.0	....	....	76.0	75.0	....	....	....	....	....
31	89.0	....	80.5	....	....	....	71.0	....	....	69.0	....	....

NO 1. U. S. Navy. In south Philadelphia, on League Island. (Extremes not adjusted for fluctuations caused by Delaware River tides) Highest water level 27.31, Nov. 25, 1950, about 5:00 p. m.; lowest 37.01, Mar. 10, 1950, 12:00 p. m. Records available: 1945-50. *

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	36.24	34.29	34.00	34.51	31.47	32.66	29.67	30.98	32.06
2	....	....	....	33.64	34.98	35.11	33.00	31.10	30.93	29.69	30.96	31.32
3	....	....	....	34.33	34.87	33.72	32.96	31.12	30.11	30.96	31.22	29.67
4	....	....	....	35.41	34.92	32.60	32.63	31.18	29.81	....	29.74	28.74
5	....	....	....	34.04	34.89	33.34	....	31.14	30.24	30.67	28.94	31.22
6	35.69	....	....	35.58	34.68	34.01	....	30.61	....	30.81	29.75	31.67
7	35.51	....	....	34.47	....	....	....	30.70	30.82	30.28	31.60	31.28
8	35.59	....	....	34.03	....	35.33	....	31.08	31.31	29.57	31.16	....
9	....	....	35.82	33.14	....	35.52	....	31.63	30.18	29.11	31.26	....
10	....	....	36.58	34.15	....	34.87	....	31.49	29.58	29.74	30.67	....
11	....	....	36.50	34.37	34.87	33.33	....	32.52	29.38	29.81	30.18	....
12	....	....	34.78	34.79	34.89	34.01	....	31.91	30.75	29.63	28.97	....
13	36.19	....	34.03	34.59	33.98	35.33	....	30.42	31.16	29.84	30.18	....
14	35.73	....	....	34.77	33.01	35.55	32.90	30.25	30.68	29.92	30.74	32.44
15	35.83	....	....	34.40	33.61	35.56	32.15	31.50	30.50	29.39	30.86	32.56
16	34.47	34.60	36.07	33.18	34.32	35.73	30.92	31.23	30.11	29.53	30.83	32.47
17	34.97	34.61	....	34.34	34.60	34.35	30.66	32.07	29.75	30.43	30.92	30.24
18	....	....	....	34.02	34.18	33.04	32.60	32.30	30.04	30.91	30.79	30.32
19	34.98	....	....	34.77	....	34.48	....	31.40	31.58	30.51	29.77	31.89
20	....	....	....	35.32	....	....	....	29.90	30.82	29.87	29.92	32.50
21	....	....	35.59	35.51	....	34.72	....	29.76	31.21	29.88	30.44	32.92
22	....	....	36.25	35.28	....	35.00	....	30.60	30.58	29.01	30.00	32.80
23	....	....	35.40	33.20	....	34.64	....	30.86	29.96	29.04	29.98	31.45
24	....	....	36.08	33.72	....	34.06	....	31.07	29.64	30.14	29.49	29.75
25	35.02	....	....	34.57	34.30	....	....	31.21	29.69	30.92	28.19	29.49

NO 1--Continued.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	34.91	.....	.....	34.82	35.07	.....	.....	30.70	30.52	30.92	.....	29.67
27	34.98	.....	.....	34.93	33.99	.....	33.15	30.18	30.81	30.97	.....	.....
28	.....	.....	.....	35.44	32.39	.....	32.22	30.10	31.22	30.00	.....	32.70
29	.....	.....	.....	35.11	33.19	34.90	30.72	30.98	30.62	29.25	30.82	32.37
30	.....	.....	36.43	34.69	32.98	34.94	30.78	31.41	30.62	29.08	31.43	31.24
31	35.60	.....	36.62	.....	.....	.....	30.59	32.10	.....	30.52	.....	29.75

NO 2. U. S. Navy. In south Philadelphia, on League Island. (Extremes not adjusted for fluctuations caused by Delaware River tides) Highest water level 27.70, Nov. 25, 1950, 5:00 p. m.; lowest 36.17, Mar. 10, 1950, 10:00 p. m. Records available: 1944-50.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33.04	35.48	34.60	35.06	33.89	33.61	33.04	31.14	32.24	29.67	30.96	31.40
2	33.47	35.20	35.03	33.32	34.08	34.48	32.60	31.10	30.46	30.33	30.92	30.65
3	32.91	35.67	35.03	34.68	33.83	32.60	33.10	31.01	30.00	30.20	30.76	29.49
4	33.29	34.50	35.23	34.29	34.08	.....	32.10	31.59	29.70	30.60	29.44	29.20
5	34.31	33.45	33.93	33.86	34.08	33.03	32.01	30.69	30.49	30.83	.....	31.24
6	34.34	34.53	35.11	34.72	33.65	33.90	32.51	30.37	30.03	30.52	30.65	31.07
7	34.49	34.51	35.07	34.39	32.92	34.48	32.57	31.59	30.32	29.62	31.38	31.22
8	34.51	35.19	.....	33.31	33.84	34.62	31.61	31.55	30.98	29.38	30.96	31.03
9	34.84	34.54	34.88	33.10	33.99	34.73	32.00	32.00	29.87	29.09	31.00	30.97
10	34.97	34.77	35.98	34.43	33.62	33.44	32.80	31.09	29.50	29.22	30.44	29.58
11	35.30	34.25	35.24	33.77	34.38	32.68	33.38	32.15	29.80	29.74	30.01	30.21
12	35.69	33.53	33.96	33.83	34.32	33.50	33.87	30.95	30.81	29.58	29.20	31.23
13	35.10	34.61	33.86	34.01	33.01	34.62	32.84	30.30	30.60	29.53	31.02	.....
14	34.51	34.54	35.30	33.82	32.55	34.66	32.17	30.52	30.71	29.76	31.08	32.24
15	34.48	34.06	35.31	33.34	33.56	34.74	31.51	31.60	30.56	29.43	30.84	31.94
16	33.99	34.22	35.35	32.80	34.02	34.81	30.99	31.46	29.77	29.58	30.72	31.64
17	34.82	34.33	35.32	33.75	34.19	33.33	32.01	31.50	29.77	30.12	30.50	30.23
18	.....	34.12	34.74	33.61	33.89	32.67	32.16	32.12	30.61	30.42	30.39	.....
19	34.20	33.14	.....	33.99	33.92	.....	32.42	30.56	31.42	30.62	29.74	.....
20	34.94	34.22	.....	34.21	33.20	.....	32.40	29.72	30.86	29.78	30.14	.....
21	34.30	.....	.....	34.90	32.19	33.82	32.27	30.08	31.02	29.53	30.61	32.32
22	33.50	33.51	.....	34.21	33.54	33.77	31.20	30.99	30.66	29.00	30.20	32.13
23	33.66	33.83	34.30	32.86	33.82	33.41	30.90	31.25	29.51	29.64	29.91	31.22
24	34.34	34.30	35.40	33.90	33.79	33.18	31.10	31.23	29.58	30.24	30.01	29.88
25	34.70	34.35	34.70	33.74	33.79	32.79	32.21	31.31	30.73	30.82	28.18	29.82
26	34.51	33.52	33.94	33.96	34.50	32.72	32.34	30.31	30.62	30.90	.....	.....
27	34.80	34.82	35.00	34.70	32.88	33.32	32.73	30.00	31.23	30.72	.....	.....
28	34.33	34.53	35.04	34.48	32.07	.....	32.10	30.45	31.20	29.90	.....	.....
29	33.31	.....	35.35	34.03	33.12	33.92	30.30	30.98	30.64	29.38	.....	.....
30	34.00	.....	35.75	34.00	32.40	34.33	30.42	30.99	30.03	29.46	30.88	.....
31	34.87	.....	35.95	.....	33.15	.....	31.35	31.90	.....	30.08	.....	.....

NO 3. U. S. Navy. In south Philadelphia, on League Island. (Extremes not adjusted for fluctuations caused by Delaware River tides) Highest water level 25.81, Sept. 22, 1947; lowest 31.23, Mar. 11, 1950. Records available: 1945-50.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.29	30.68	29.30	.....	29.77	29.29	29.56	27.49	27.65	27.28	27.12	.....
2	30.12	30.36	30.20	.....	30.24	29.65	29.50	27.60	27.63	27.28	27.15	.....
3	29.79	30.73	30.81	.....	30.37	29.58	29.28	27.55	27.62	27.17	.....	.....
4	29.60	30.80	31.05	.....	30.24	29.24	29.20	27.62	27.48	27.05	.....	.....
5	29.69	30.87	30.59	.....	29.98	29.42	29.20	27.60	27.59	27.30	.....	.....
6	29.83	30.26	30.38	30.49	29.78	29.63	29.02	27.64	27.80	27.39	.....	.....
7	30.03	30.36	30.73	30.68	29.80	29.41	29.11	27.66	27.68	27.40	27.50	28.11
8	30.70	30.84	.....	30.41	.....	29.97	28.00	27.73	27.56	27.16	27.46	.....
9	30.21	30.17	30.46	30.48	30.09	29.98	29.31	27.71	27.38	26.85	27.36	.....
10	30.07	29.82	31.10	.....	29.68	29.78	28.95	27.71	27.08	26.72	27.52	.....

NO 3--Continued.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	30.35	30.22	31.00	29.96	29.91	29.64	29.30	27.74	.....	26.83	.....	.....
12	30.69	30.23	30.53	30.10	29.92	.....	29.43	27.86	.....	26.66	.....	.....
13	30.28	30.18	30.10	29.83	29.65	29.87	29.28	27.70	.....	27.02	.....	.....
14	30.04	29.92	30.60	30.28	29.68	29.72	29.41	27.57	26.78	27.38	.....	28.94
15	30.63	29.43	30.09	30.51	29.42	29.91	29.49	27.57	26.62	27.40	27.87	28.85
16	30.30	29.61	.....	30.37	29.52	29.83	29.20	27.63	26.83	27.49	28.33	29.09
17	30.53	29.81	.....	.....	.....	29.53	28.93	27.69	27.15	27.52	28.47	29.03
18	29.82	30.10	.....	30.18	29.63	29.78	28.82	27.61	27.20	27.46	.....	.....
19	30.23	29.65	.....	30.25	29.51	.....	29.10	27.62	27.12	27.41	.....	.....
20	30.60	30.00	.....	30.20	28.15	.....	28.90	27.27	27.22	.....	.....	.....
21	30.61	30.27	.....	30.30	27.83	29.46	29.11	27.39	27.24	.....	.....	.....
22	30.15	29.60	.....	30.65	.....	29.75	29.13	27.54	27.00	.....	.....	.....
23	30.08	29.50	.....	30.22	.....	29.64	29.09	27.69	26.90	.....	.....	.....
24	30.17	29.80	.....	30.20	.....	29.44	28.91	27.74	27.17	.....	.....	.....
25	27.80	30.19	.....	30.20	29.44	29.33	28.68	27.73	27.36	.....	.....	.....
26	30.33	30.08	.....	.....	29.63	29.24	28.18	27.72	27.51	27.41	.....	.....
27	30.76	30.30	.....	30.39	29.66	29.17	27.99	27.56	27.58	27.54	.....	.....
28	30.80	30.22	.....	30.35	29.51	29.47	27.81	27.37	27.51	27.57	.....	.....
29	30.20	.....	.....	30.55	.....	29.49	27.52	27.33	27.52	27.24	.....	30.28
30	30.42	.....	.....	.....	29.41	29.50	27.53	27.60	27.43	27.09	.....	.....
31	30.31	.....	.....	.....	29.28	.....	27.55	27.63	.....	.....	.....	.....

NO 4. U. S. Navy. In south Philadelphia, on League Island. (Extremes not adjusted for fluctuations caused by Delaware River tides) Highest water level 28.58, Nov. 25, 1950, 3:00 p. m.; lowest 33.22, Mar. 10, 12:00 p. m. and Mar. 31, 1950, 2:00 a. m. Records available: 1945-50.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.14	32.86	.....	32.99	32.11	31.24	31.78	29.98	30.00	29.52	29.16	30.16
2	31.94	32.48	32.28	32.66	32.26	31.69	31.70	30.10	29.90	29.50	29.17	30.24
3	31.50	32.88	32.80	32.47	32.26	31.48	31.45	30.03	29.76	29.32	29.47	29.78
4	31.53	32.87	33.08	32.45	32.25	31.08	31.29	30.11	.....	29.24	29.00	29.00
5	31.89	32.89	32.50	32.33	32.18	31.19	31.22	30.04	29.75	29.57	28.91	30.10
6	31.78	32.40	32.50	32.52	32.00	31.43	31.08	29.99	29.97	29.68	29.44	.....
7	31.95	32.45	32.76	32.63	31.94	31.73	31.20	30.07	29.85	29.68	29.70	30.12
8	32.60	.....	.....	32.36	32.30	31.93	30.90	30.13	29.80	29.31	29.64	30.02
9	32.15	32.30	32.53	32.49	32.27	31.96	31.18	30.18	29.62	28.95	29.52	30.01
10	32.60	32.34	33.12	32.44	31.81	31.68	31.00	30.10	29.37	28.92	29.63	29.74
11	32.44	32.37	33.02	31.85	32.03	31.53	31.20	30.16	29.11	29.06	29.69	29.22
12	32.83	32.43	32.57	32.03	32.04	31.78	31.34	30.28	.....	28.79	29.56	29.57
13	.....	32.39	32.30	31.92	31.72	31.85	31.16	30.10	.....	29.21	29.47	30.06
14	32.10	32.31	32.67	32.09	31.75	.....	31.28	29.95	29.42	29.52	29.64	30.33
15	32.65	31.74	32.60	32.30	31.53	31.92	31.37	30.01	29.23	29.49	29.70	30.28
16	32.33	31.87	32.70	32.31	31.70	31.90	31.08	30.04	29.36	29.66	29.71	30.46
17	32.61	32.01	32.66	31.99	31.86	31.54	.....	30.08	29.60	29.73	29.76	30.37
18	31.86	32.28	32.54	32.01	31.80	31.77	.....	30.09	29.63	29.68	29.91	30.13
19	32.46	31.80	33.19	32.07	31.75	31.48	30.96	29.95	29.58	29.49	29.92	30.47
20	32.72	32.15	33.05	32.12	31.40	31.60	30.82	.....	29.66	29.28	29.38	30.69
21	32.59	32.36	32.48	32.33	31.11	31.60	30.98	.....	29.58	29.30	29.58	30.99
22	32.01	31.67	32.65	32.70	31.10	31.90	30.99	29.79	29.26	29.03	29.96	30.68
23	31.98	31.51	.....	32.08	30.99	31.80	30.92	30.01	29.16	28.93	29.99	30.61
24	32.12	31.83	32.49	32.18	31.29	31.52	.....	30.11	29.39	29.22	29.89	29.84
25	32.42	32.20	32.70	32.21	31.46	31.40	.....	30.10	29.34	29.22	28.68	30.03
26	32.39	32.06	32.94	32.21	31.69	31.34	.....	30.00	29.81	29.61	28.87	29.95
27	32.73	32.27	32.45	32.46	31.63	31.30	30.48	29.86	29.90	29.70	29.07	30.64
28	32.75	32.39	32.33	32.45	31.45	31.62	30.34	29.61	29.94	29.61	29.20	30.68
29	32.10	.....	32.59	32.61	31.32	31.68	30.11	29.58	29.87	29.26	.....	30.33
30	32.36	.....	33.10	32.55	31.30	31.72	30.01	29.83	29.77	29.01	29.69	30.38
31	32.32	.....	33.15	.....	31.22	.....	30.02	29.98	.....	29.14	.....	30.05

NO 5. U. S. Navy. In south Philadelphia, on League Island. (Extremes not adjusted for fluctuations caused by Delaware River tides) Highest water level 28.06, Sept. 22, 1947, 8:00 a. m.; lowest 32.89, Mar. 31, 1950, about 9:00 a. m. Records available: 1945-50.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.95	32.39	31.44	32.74	31.77	31.08	31.40	29.46	29.59	29.18	28.82	30.13
2	31.73	32.13	31.93	32.38	31.93	31.42	31.33	29.60	29.55	29.14	28.91	30.36
3	31.32	32.39	32.57	32.22	31.99	31.36	31.12	29.56	29.45	29.06	29.21	29.86
4	31.30	32.49	32.86	32.20	31.98	30.95	31.00	29.62	29.28	28.87	28.83	29.15
5	31.61	32.51	32.40	32.00	31.83	31.06	30.97	29.62	29.39	29.20	28.66	30.13
6	.....	31.94	32.15	32.17	31.69	31.27	30.83	29.55	29.63	29.30	29.17	30.46
7	31.70	32.02	32.53	32.34	31.64	31.51	30.92	29.61	29.56	29.30	29.39	29.96
8	32.37	32.61	.....	32.13	31.95	31.59	30.29	29.69	29.46	29.01	29.35	29.98
9	31.96	31.96	32.13	32.17	31.94	31.64	30.95	29.70	29.21	28.67	29.18	29.98
10	31.82	31.98	32.78	32.20	31.51	31.43	30.80	29.68	29.03	28.61	29.33	29.74
11	32.14	32.09	32.78	31.71	31.70	31.28	30.97	29.68	28.76	28.70	29.40	29.25
12	32.50	32.14	32.30	31.78	31.72	31.49	31.09	29.82	29.00	28.62	29.30	29.62
13	32.20	32.10	31.86	31.79	31.45	31.50	30.96	29.68	29.10	29.00	29.14	30.06
14	31.86	31.92	32.25	31.84	31.43	31.43	31.05	29.51	28.98	.....	29.31	30.32
15	32.36	31.41	32.25	32.08	31.22	31.61	31.17	29.53	28.81	.....	29.34	30.24
16	32.05	31.41	32.33	32.07	31.30	31.62	30.90	29.60	28.88	.....	29.70	30.47
17	32.31	31.62	32.28	31.72	31.45	31.30	30.62	29.71	29.14	.....	29.80	30.41
18	31.66	31.85	32.17	31.80	31.47	31.52	30.47	29.68	29.16	.....	29.98	30.18
19	32.10	.....	32.84	31.85	31.48	31.25	30.72	29.64	29.16	29.18	30.02	30.49
20	32.35	31.72	32.79	31.85	30.66	31.30	30.61	29.21	29.22	28.98	29.48	30.68
21	32.33	.....	32.16	32.00	30.33	31.23	.....	29.28	29.27	29.06	29.61	30.92
22	31.84	31.50	32.32	32.36	30.24	31.54	.....	29.43	29.00	28.80	30.09	30.63
23	31.79	31.19	31.62	31.92	30.20	31.48	30.78	29.63	28.88	28.62	30.16	30.60
24	31.83	31.60	32.10	31.89	30.92	31.24	30.57	29.68	29.09	28.88	30.00	29.92
25	31.96	31.87	32.38	31.96	31.21	31.12	30.38	29.69	29.24	28.83	28.89	30.08
26	31.98	.....	32.64	31.88	31.42	31.03	30.15	29.62	29.49	29.27	28.90	29.98
27	32.38	31.94	32.20	32.13	31.49	31.00	29.28	29.47	29.06	29.36	29.12	30.57
28	32.53	32.15	.....	32.09	31.30	31.22	29.87	29.28	29.54	29.32	29.18	30.61
29	31.90	.....	32.21	32.31	31.18	31.32	29.64	29.22	29.53	28.98	29.40	30.30
30	32.06	.....	32.72	32.21	31.12	31.32	29.54	29.40	29.43	28.76	29.72	30.36
31	32.05	.....	32.74	.....	31.02	.....	29.52	29.58	.....	28.82	.....	30.04

NO 6. U. S. Navy. In south Philadelphia, on League Island. (Extremes not adjusted for fluctuations caused by Delaware River tides) Highest water level 25.84, Sept. 22, 1947, 9:00 a. m.; lowest 30.58, Mar. 31, 1950, 7:00 a. m. Records available: 1945-50.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29.00	29.54	28.53	30.26	29.59	28.82	29.19	.....	27.40	26.97	26.76	28.14
2	28.80	29.16	29.23	29.99	29.78	29.23	29.13	.....	27.38	26.96	26.79	28.32
3	28.44	29.57	29.82	29.86	29.82	29.03	28.90	27.39	27.29	26.81	27.01	27.83
4	28.38	29.63	30.09	29.86	29.73	28.75	28.83	27.43	27.16	26.71	26.65	27.09
5	28.42	29.68	29.59	29.79	29.57	28.90	28.78	27.43	27.30	27.04	26.52	28.11
6	28.62	29.01	29.47	30.00	29.35	29.11	28.64	27.44	27.50	27.13	27.04	28.35
7	28.91	29.20	29.84	30.13	29.34	29.10	28.70	27.47	27.36	27.12	27.22	27.69
8	29.51	29.72	.....	29.87	29.69	29.47	28.15	27.51	27.29	26.85	27.17	27.87
9	29.01	28.99	29.51	29.99	29.64	29.46	28.78	27.51	27.11	26.51	27.02	27.92
10	28.87	28.95	30.10	29.97	29.20	29.20	28.51	27.42	26.83	26.43	27.18	27.73
11	29.26	29.10	30.01	29.43	29.52	29.17	28.82	27.44	26.53	26.54	27.27	27.23
12	29.53	29.08	29.60	29.61	29.53	29.41	28.93	27.56	26.79	26.34	27.18	27.58
13	29.20	28.94	29.11	29.40	29.22	29.40	28.80	27.42	26.82	26.74	27.02	28.01
14	29.00	28.74	29.65	29.68	29.28	29.24	28.93	27.29	26.61	27.09	27.19	28.26
15	29.53	28.15	29.40	29.90	29.03	29.44	29.02	27.30	26.44	27.07	27.36	28.19
16	29.23	.....	29.60	29.86	29.17	29.38	28.73	27.37	26.64	27.24	27.65	28.47
17	29.45	.....	29.56	29.63	29.27	29.13	28.46	27.43	26.91	27.24	27.73	28.36
18	28.64	.....	29.48	29.64	29.22	29.31	28.31	27.40	26.99	27.19	27.95	28.17
19	29.05	.....	30.18	29.70	29.12	29.02	28.66	27.33	26.89	27.02	27.99	28.48
20	29.42	.....	30.02	29.68	28.30	29.13	28.48	26.98	26.99	26.87	27.47	28.62
21	29.35	.....	29.45	29.84	28.00	29.06	28.64	27.10	26.93	26.98	27.62	28.82
22	28.90	28.52	29.57	30.20	27.96	29.32	28.68	27.22	26.63	26.70	28.10	28.52
23	28.84	28.35	28.85	29.74	27.76	29.20	28.61	27.42	26.55	26.57	28.18	28.51
24	29.00	28.75	29.52	29.78	28.67	28.98	28.42	27.48	26.89	26.77	28.02	27.86
25	28.98	29.08	29.90	29.79	29.06	28.87	28.21	27.43	27.02	26.68	26.79	28.04

NO 6--Continued.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	29.14	29.00	30.12	29.74	29.26	28.83	27.96	27.41	27.21	27.11	26.91	27.99
27	29.51	29.20	29.66	29.98	29.24	28.74	27.82	27.29	27.27	27.21	27.11	28.58
28	29.57	29.34	29.51	29.95	29.07	29.01	27.66	27.09	27.25	27.18	27.17	28.59
29	28.97		29.81	30.14	28.95	29.09	.....	27.02	27.26	26.86	.....	28.27
30	29.25		30.32	30.06	28.94	29.10	.....	27.29	27.16	26.64	27.72	28.34
31	29.11		30.25		28.80		.....	27.40		26.72		28.11

NO 8. U. S. Navy. In south Philadelphia, on League Island. (Extremes not adjusted for fluctuations caused by Delaware River tides) Highest water level 33.30, Nov. 25, 1950, about 6:00 p. m.; lowest, 51.97, Mar. 22, 1950, before 2:00 p. m. Records available: 1946-50.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43.04	49.86	49.15	49.94	46.90	47.00	45.00	40.00	46.10	38.14	43.84	44.90
2	47.12	49.77	49.56	43.71	48.10	48.74	43.12	.....	39.34	40.13	43.73	40.36
3	45.45	50.13	49.92	46.56	46.98	44.82	45.41	38.75	37.95	39.70	42.54	36.09
4	50.02	50.01	50.70	48.94	47.03	43.21	42.42	39.77	37.30	.....	37.81	38.49
5	50.35	44.28	47.49	44.36	46.98	45.20	42.26	40.90	40.90	40.35	36.91	43.33
6	.....	47.51	48.40	50.24	46.20	45.66	44.49	38.14	37.91	39.55	41.30	42.31
7	.....	46.78	49.40	46.69	42.94	47.72	44.33	41.30	39.85	38.58	44.13	42.35
8	.....	48.24	.....	44.04	45.26	48.85	39.87	40.40	43.70	37.47	42.62	43.71
9	.....	48.28	49.80	43.10	46.40	49.23	42.51	41.90	38.02	37.55	42.82	43.14
10	.....	.....	50.52	46.53	46.40	48.21	45.73	41.70	37.45	38.45	41.31	37.71
11	.....	.....	50.00	46.14	46.85	45.20	48.09	45.33	37.42	38.49	38.93	43.07
12	.....	.....	45.56	47.50	46.97	46.58	48.40	41.25	43.00	39.80	35.30	44.57
13	.....	.....	45.10	.....	45.25	49.05	43.62	38.31	42.16	38.11	.....	43.71
14	.....	.....	49.30	.....	43.22	49.45	41.89	38.01	41.07	37.84	.....	45.82
15	.....	.....	49.47	.....	44.89	49.34	.....	42.00	40.83	37.16	42.05	46.08
16	.....	47.51	50.24	.....	46.80	49.49	.....	41.50	38.70	38.30	42.16	42.65
17	.....	47.57	.....	.....	47.20	46.20	.....	44.51	37.91	40.93	42.11	39.47
18	.....	48.27	.....	.....	46.08	43.09	44.08	44.97	40.10	41.65	41.66	43.61
19	.....	45.68	.....	.....	46.16	45.95	44.50	40.00	44.67	41.16	38.54	43.42
20	.....	46.59	.....	48.89	46.31	46.35	43.40	37.32	41.04	37.87	40.88	45.37
21	.....	.....	.....	49.54	41.90	46.73	41.30	37.13	41.39	37.56	42.79	45.79
22	.....	46.83	.....	47.30	43.90	46.53	.....	38.43	40.90	36.32	39.31	45.68
23	.....	46.88	49.68	43.64	46.21	45.84	.....	39.00	38.52	39.30	39.11	41.99
24	.....	47.93	50.42	45.40	46.20	45.30	.....	40.80	37.68	40.84	38.42	39.13
25	47.86	.....	49.01	47.44	46.28	45.15	44.77	41.40	40.00	43.69	35.06	38.73
26	48.05	.....	44.90	48.39	48.55	45.50	45.00	38.88	38.45	41.98	.....	40.50
27	47.67	.....	48.82	47.94	46.26	47.30	46.50	38.30	42.28	43.62	.....	45.00
28	.....	.....	.....	48.93	42.21	49.22	42.50	39.30	41.30	37.78	.....	45.70
29	.....	.....	.....	47.51	45.01	49.00	.....	39.38	40.19	37.10	43.03	45.01
30	.....	.....	49.88	47.19	44.86	48.50	.....	40.32	38.58	38.85	44.02	40.78
31	.....	.....	50.50	.....	45.30	.....	41.00	44.50	.....	41.10	.....	38.95

NO 9. U. S. Navy. In south Philadelphia, on League Island. (Extremes not adjusted for fluctuations caused by Delaware River tides) Highest water level 29.55, Nov. 25, 1950, 1:00 p. m.; lowest 60.74, Jan. 11, 1950, 3:00 p. m. Records available: 1946-50.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	50.20	.....	57.70	.....	.....	54.00	50.40	.....	38.11	41.26	48.82	.....
2	52.27	.....	58.37	.....	.....	56.46	47.33	.....	.....	40.91	47.28	40.40
3	53.76	.....	58.70	.....	.....	50.81	50.24	.....	.....	45.22	47.15	36.62
4	58.02	.....	58.74	.....	54.46	.....	46.40	.....	.....	45.70	41.91	.....
5	.....	.....	53.60	.....	54.98	.....	46.60	46.10	.....	46.57	40.47	.....
6	58.80	.....	.....	57.71	52.85	.....	.....	43.00	.....	47.26	.....	.....
7	58.84	.....	.....	53.18	48.48	.....	.....	41.64	.....	44.40	47.20	43.73
8	55.30	.....	.....	48.50	51.59	57.98	.....	.....	48.18	41.56	43.50	46.00
9	57.09	.....	.....	46.95	53.11	58.17	.....	47.54	42.56	40.42	43.77	45.53
10	58.53	.....	.....	52.10	53.91	55.70	.....	48.14	40.88	46.11	42.61	39.56

NO 9--Continued.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	59.42	.....	61.0	52.24	54.03	.....	.....	50.86	40.46	42.09	37.01	42.50
12	.....	.....	.....	.....	54.19	.....	.....	47.80	45.70	41.92	32.58	45.70
13	59.19	.....	.....	53.27	51.11	.....	51.75	.....	.....	42.62	.....	48.27
14	58.84	.....	.....	.....	47.58	.....	49.93	.....	.....	41.69	.....	.....
15	56.40	.....	.....	.....	50.51	57.72	43.45	.....	.....	39.52	.....	.....
16	54.85	.....	.....	.....	.....	57.88	41.40	.....	.....	39.42	41.98	.....
17	54.80	51.73	.....	.....	.....	.....	46.98	49.52	.....	43.30	42.40	.....
18	54.90	52.64	.....	.....	53.02	.....	52.07	49.90	.....	.....	41.63	.....
19	55.04	.....	.....	.....	52.89	.....	52.32	46.75	.....	43.42	36.78	.....
20	55.42	.....	.....	57.73	51.05	.....	48.62	.....	.....	40.36	.....	.....
21	52.90	.....	.....	57.49	46.43	53.49	47.00	.....	46.59	39.93	.....	.....
22	.....	51.18	.....	.....	50.70	53.50	.....	.....	45.13	37.80	.....	.....
23	.....	51.02	.....	.....	53.29	52.69	.....	46.23	44.70	39.85	36.79	.....
24	.....	52.70	.....	.....	53.88	51.41	.....	46.70	41.83	43.28	34.41	.....
25	.....	56.96	.....	.....	54.10	50.05	.....	46.68	41.02	44.61	31.17	.....
26	.....	.....	.....	.....	57.20	50.40	.....	43.38	44.28	45.12	32.73	.....
27	.....	.....	.....	.....	51.77	.....	50.60	51.78	42.89	47.30	.....	.....
28	.....	.....	.....	.....	46.32	.....	46.34	44.50	45.06	41.10	.....	.....
29	.....	.....	.....	.....	.....	57.20	.....	48.56	43.50	40.12	.....	.....
30	.....	.....	58.50	.....	.....	56.28	.....	.....	44.28	40.83	.....	.....
31	.....	.....	.....	.....	.....	.....	.....	47.15	.....	46.63	.....	.....

NO 10. U. S. Navy. In south Philadelphia, on League Island. (Extremes not adjusted for fluctuations caused by Delaware River tides) Highest water level 31.37, Nov. 25, 1950, after 1:00 p.m.; lowest 62.74, Feb. 3, 1950, 8:00 p.m. Records available: 1946-50.

Daily noon water level (adjusted for tide), from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	53.17	60.93	59.70	55.60	.....	56.24	51.34	45.68	47.16	42.51	47.75	49.07
2	54.60	61.31	60.20	48.00	.....	59.27	47.91	44.90	45.65	43.25	46.36	39.78
3	55.90	61.90	60.41	56.90	.....	50.50	50.88	45.04	43.14	46.67	46.68	36.11
4	60.10	54.91	60.62	57.49	58.03	50.93	47.27	45.20	42.62	46.16	43.04	.....
5	60.49	48.50	55.50	52.71	58.07	56.00	.....	45.50	44.45	46.08	42.33	.....
6	61.18	58.02	58.99	59.74	54.34	55.35	52.82	44.00	42.85	46.26	44.59	.....
7	61.22	55.80	60.13	54.00	50.79	57.70	53.02	45.20	44.82	44.09	45.32	42.01
8	60.00	55.25	.....	48.85	56.13	59.73	40.00	46.75	46.65	42.72	40.52	45.29
9	59.71	54.20	60.92	47.33	57.20	60.25	48.04	48.15	43.25	42.92	42.95	42.61
10	61.01	54.47	61.14	56.19	57.50	55.39	55.00	48.00	42.48	43.32	39.36	37.32
11	61.52	54.41	60.82	55.53	57.80	49.99	58.68	48.82	42.48	42.81	37.10	44.72
12	61.45	47.56	.....	57.00	57.85	54.80	58.57	46.60	46.31	43.42	34.02	48.00
13	61.48	53.40	.....	55.89	53.25	59.56	54.47	43.19	45.80	43.75	37.70	43.53
14	61.19	53.50	.....	58.17	49.50	60.08	53.10	43.50	45.63	42.49	.....	49.92
15	56.84	53.16	.....	51.50	54.15	60.31	45.21	46.24	45.51	41.60	.....	50.48
16	56.80	53.73	60.09	47.62	57.18	60.37	43.33	45.88	44.55	42.51	40.91	46.00
17	58.50	53.65	59.90	57.12	56.85	54.73	49.70	47.99	42.93	43.92	41.02	38.06
18	56.05	53.90	60.50	55.33	54.89	48.12	55.58	48.30	44.30	45.19	40.00	45.20
19	56.12	48.44	59.22	57.91	55.51	57.04	54.09	45.19	47.72	44.04	36.57	45.85
20	56.46	52.74	58.11	59.16	50.92	57.98	49.20	42.53	46.20	42.68	38.16	49.50
21	54.24	52.40	59.62	59.15	46.50	58.05	48.80	43.95	46.72	42.21	.....	50.52
22	52.21	52.20	60.18	53.00	54.90	58.28	45.44	46.20	45.13	40.61	.....	49.83
23	55.47	52.13	60.12	48.15	57.31	54.50	43.61	44.93	43.39	41.98	36.79	41.29
24	55.87	55.80	60.89	55.85	58.20	53.68	44.60	45.53	42.99	43.92	35.69	37.58
25	55.80	59.03	57.48	56.00	57.76	51.66	48.10	45.99	43.22	46.00	32.00	37.17
26	56.54	53.85	51.65	59.00	59.62	54.90	49.00	43.86	43.45	45.26	.....	40.80
27	55.83	59.03	58.70	56.90	50.60	55.87	50.50	42.84	44.68	46.18	.....	48.91
28	55.81	59.40	59.96	58.94	46.68	58.56	45.33	46.00	45.56	42.74	.....	49.78
29	50.70	.....	60.41	52.50	52.30	58.80	39.00	45.65	44.31	41.89	.....	47.15
30	57.40	.....	60.54	54.43	48.90	56.72	40.00	45.30	43.80	42.39	46.34	.....
31	60.42	.....	60.40	.....	52.30	.....	43.29	45.99	.....	45.58	.....	47.32

Pike County

F6. Commonwealth of Pennsylvania. Near Edgemere. Highest water level 28.10, Jan. 10, 1949; lowest 34.35, Oct. 17, 1949. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	32.50	Apr. 8	30.03	July 8	31.39	Sept. 30	32.84
14	31.75	15	30.48	15	31.35	Oct. 7	33.10
21	31.85	22	30.64	22	31.49	14	32.81
28	31.62	29	30.81	29	31.60	21	32.93
Feb. 2	31.42	May 6	30.55	Aug. 5	31.83	28	32.78
11	31.26	13	30.66	12	32.32	Nov. 4	32.77
18	31.01	20	30.65	19	32.55	11	32.55
25	31.10	27	30.53	26	32.57	18	32.60
Mar. 4	31.20	June 3	30.29	Sept. 2	32.65	25	31.85
13	30.75	10	30.26	9	32.86	Dec. 15	30.32
18	30.63	17	30.37	16	32.62	23	30.92
25	30.42	24	30.76	23	32.64	30	30.74
Apr. 1	30.04	July 1	31.10				

F7. Commonwealth of Pennsylvania. Near Lords Valley. Highest water level 9.38, Apr. 1, 1950; lowest 35.49, Dec. 18, 1948. Records available: 1948-50.

Jan. 7	15.30	Apr. 1	9.38	July 15	16.20	Oct. 7	28.30
14	15.80	8	10.70	25	17.77	15	28.85
21	13.85	16	12.43	29	19.10	23	29.00
28	14.75	22	13.58	Aug. 5	22.00	29	28.00
Feb. 4	15.20	29	12.64	12	23.74	Nov. 4	26.00
11	15.40	May 7	12.75	19	24.35	12	24.65
18	15.40	21	14.42	27	24.77	18	24.29
25	15.20	28	11.71	Sept. 10	25.75	27	11.45
Mar. 4	15.50	June 10	14.85	16	25.66	Dec. 4	10.17
11	14.25	17	14.90	23	26.15	16	11.42
18	13.05	July 1	15.80	30	27.10	30	15.05
26	12.20	8	16.40				

Schuylkill County

72. Nick C. Donofrio. Near Pine Grove. Highest water level 4.14, Aug. 31, 1940; lowest 31.78, Nov. 5, 1944. Records available: 1931-50.

Jan. 7	15.20	Apr. 10	16.00	July 12	15.90	Oct. 8	22.10
14	13.80	15	15.40	15	13.60	15	20.60
21	12.90	23	18.70	23	17.20	21	19.90
28	13.90	May 1	18.30	29	17.70	29	19.30
Feb. 4	13.80	6	17.40	Aug. 6	20.10	Nov. 5	19.60
11	12.40	13	16.20	12	21.40	12	19.00
18	11.90	20	14.20	20	20.90	19	19.80
25	13.70	30	14.10	27	22.50	26	12.20
Mar. 6	16.90	June 3	12.00	Sept. 3	22.00	Dec. 3	12.30
11	16.80	11	15.00	10	22.70	10	14.40
18	15.00	17	16.20	17	21.90	17	15.20
25	12.90	25	19.00	24	22.10	24	15.90
Apr. 1	15.10	July 1	20.60	Oct. 1	22.10		

127. Ira Kramer. At Dreherstown. Highest water level 6.06, Nov. 27, 1948, May 4, Dec. 1, and Dec. 14, 1950; lowest dry, Sept. 27, Oct. 14, 28, 1948, Aug. 10-26, 1949. Records available: 1948-50.

127--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	6.27	Mar. 21	6.26	June 29	9.68	Oct. 12	6.34
12	6.32	23	6.24	July 6	6.64	13	6.48
18	6.43	30	6.32	7	6.80	19	6.95
19	6.56	Apr. 6	7.08	13	6.36	20	7.01
25	7.44	11	8.01	14	6.33	26	7.08
26	7.44	13	8.05	20	7.25	27	7.64
Feb. 2	6.29	18	8.70	27	8.38	31	7.64
8	6.43	20	8.53	Aug. 1	8.92	Nov. 4	7.84
9	6.38	25	8.53	3	9.16	9	6.08
15	6.28	27	8.18	10	10.24	16	7.76
16	6.24	May 1	6.33	17	12.34	22	6.60
20	6.34	4	6.06	24	9.74	Dec. 1	6.06
23	6.55	12	7.74	31	10.58	7	6.33
27	7.72	16	8.44	Sept. 7	10.64	12	6.32
Mar. 2	7.78	25	7.24	14	6.54	14	6.06
7	8.65	June 1	6.74	19	8.03	21	6.87
9	6.54	8	7.68	21	8.08	22	6.94
14	6.37	15	7.94	28	9.98	28	7.78
16	6.38	22	8.90	Oct. 5	10.62		

129. John Perla. Near Tamaqua. Highest water level 12.41, Dec. 12, 1950; lowest 29.56, Nov. 10, 1948. Records available: 1948-50.

Jan. 11	20.41	Mar. 26	23.94	May 18	23.34	Oct. 19	25.43
Feb. 10	19.57	Apr. 5	18.12	July 6	23.71	27	25.58
14	19.56	18	22.94	Sept. 12	26.34	31	25.97
20	15.51	21	23.13	Oct. 10	26.87	Nov. 15	24.36
27	18.10	25	23.68	16	25.77	Dec. 12	12.41
Mar. 13	22.71	May 3	22.76				

130. Paul Fritz. In Adamsdale. Highest water level 2.67, Oct. 9, 1950; lowest 9.59, Aug. 10, 1949. Records available: 1948-50.

Jan. 5	4.49	Mar. 17	4.96	June 12	5.65	Sept. 25	4.86
12	3.56	29	3.39	26	6.64	Oct. 2	6.20
26	4.86	Apr. 12	5.29	July 10	5.50	9	2.67
Feb. 2	3.38	18	5.88	31	5.94	16	4.14
8	4.12	May 1	5.20	Aug. 7	6.58	23	4.99
15	3.98	9	5.35	21	4.91	30	5.34
23	4.24	19	5.29	28	5.00	Nov. 8	3.89
Mar. 2	4.30	23	5.11	Sept. 11	3.14	Dec. 18	4.40
10	5.02	31	4.49	19	4.83	22	4.83

132. George Mengle. Near Auburn. Highest water level 24.34, Dec. 11, 1950; lowest 30.09, Dec. 20, 1949. Records available: 1948-50.

Jan. 23	28.67	Apr. 3	25.44	June 27	26.49	Oct. 2	27.80
30	28.41	10	25.63	July 10	26.86	9	27.91
Feb. 6	27.86	17	25.75	31	26.78	16	28.00
15	24.80	May 1	26.06	Aug. 7	27.00	23	27.90
23	27.27	9	26.29	14	27.24	30	27.78
Mar. 1	25.98	20	26.39	21	27.40	Nov. 8	27.48
6	26.33	23	26.39	28	27.59	14	26.59
13	26.28	31	26.32	Sept. 11	27.57	21	26.99
20	26.72	June 13	26.24	19	27.74	Dec. 11	24.34
27	25.57	22	26.39	25	27.72	22	25.09

Somerset County

16. N. B. Sanner. In Markleton. Highest water level 11.02, Apr. 12, 1948; lowest 16.99, Sept. 24, 1944. Records available: 1931-50.

16--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	13.98	Apr. 10	13.00	July 17	14.05	Oct. 16	14.35
9	13.14	16	13.30	24	14.45	19	14.35
16	13.36	24	13.14	25	14.20	23	14.50
23	13.66	May 1	12.92	31	14.22	30	14.72
29	13.30	2	12.87	Aug. 7	14.35	Nov. 6	14.27
Feb. 6	12.78	8	13.30	14	15.65	13	14.22
13	12.50	15	13.40	21	14.60	19	14.40
20	12.72	22	13.10	28	14.85	27	14.05
27	13.05	29	12.52	30	14.92	Dec. 4	12.93
Mar. 6	13.45	June 5	12.70	Sept. 4	14.80	11	13.20
13	11.52	12	13.23	11	15.02	13	13.32
17	12.79	19	13.65	18	15.25	18	13.42
20	12.35	26	13.92	25	14.50	26	13.30
27	11.98	July 3	14.32	Oct. 1	14.72	31	13.75
Apr. 3	12.95	10	14.50	9	14.90		

115. National Park Service. Near Trent. Highest water level 32.35, May 3, 1948; lowest 38.97, Aug. 21, 1937. Records available: 1937-50.

Jan. 4	33.67	Mar. 28	32.84	June 12	33.47	Sept. 11	34.83
9	33.69	Apr. 3	33.11	July 5	33.88	18	34.91
16	33.61	11	33.12	10	33.80	Oct. 2	34.85
23	33.59	17	33.18	18	34.12	9	34.71
30	33.49	24	33.11	25	34.24	16	34.76
Feb. 6	33.42	May 1	33.13	26	34.20	19	34.69
13	33.30	2	33.21	Aug. 7	34.51	23	34.67
20	33.30	8	33.23	17	34.63	31	34.66
27	33.29	15	33.20	22	34.62	Nov. 6	34.55
Mar. 7	33.26	23	33.32	30	34.79	20	34.44
13	33.03	June 6	33.22	Sept. 6	34.85	Dec. 4	34.11
20	33.22						

Sullivan County

105. Carl D. Molyneux. Near Millview. Highest water level 18.11, Dec. 2, 1950; lowest dry, several periods, 1935-39, 1941, 1943-44, 1946-49. Records available: 1935-50.

Jan. 7	20.74	Apr. 1	21.75	July 1	26.13	Sept. 23	26.38
14	21.02	8	22.64	8	26.42	Oct. 14	25.58
23	23.66	15	23.96	15	26.29	21	26.27
28	24.17	22	23.48	22	26.18	28	26.42
Feb. 4	24.39	29	22.16	29	25.94	Nov. 4	25.86
11	24.57	May 7	23.89	Aug. 5	25.56	11	25.74
18	21.64	13	24.11	12	25.98	18	25.82
25	22.71	20	24.69	19	25.32	25	24.66
Mar. 4	23.82	27	24.96	26	25.86	Dec. 2	18.11
11	21.96	June 3	24.39	Sept. 2	25.91	9	20.22
18	23.20	17	24.72	9	26.14	16	21.61
25	23.09	24	24.91	16	25.93	30	23.73

Susquehanna County

100. Carlton Farm. In Montrose. Highest water level 1.80, Mar. 18, 1936; lowest 10.40, Oct. 6, 13, 1939. Records available: 1930-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.61	5.68	....	3.40	5.00	....	8.76	6.83	4.45	6.89	....	4.83
2	4.75	5.72	....	3.57	4.85	....	8.82	6.69	3.76	7.12	....	5.08
3	4.82	5.71	....	3.37	....	....	8.85	6.56	3.84	7.29	....	5.26
4	4.90	5.75	....	2.89	....	....	8.91	6.43	4.04	7.43	....	2.83
5	4.98	5.81	....	3.12	....	3.76	8.94	6.32	4.25	7.59	....	2.93

100--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	4.84	5.84	....	3.53	....	4.07	9.00	6.22	4.43	7.79	9.36	3.38
7	3.79	5.87	....	3.91	5.10	4.35	9.02	6.20	4.59	7.99	9.20	3.80
8	3.83	5.91	....	4.13	5.22	4.59	9.03	6.20	4.74	8.18	9.02	....
9	3.92	6.10	....	4.41	5.39	4.82	9.07	6.20	4.90	8.30	8.86	....
10	4.08	6.12	....	4.60	5.47	....	9.18	6.23	5.11	8.37	....	....
11	3.89	6.19	....	4.73	5.53	5.19	9.17	6.29	5.28	8.37	....	4.01
12	3.98	6.24	4.55	4.87	5.66	5.44	9.16	6.40	5.40	8.29	....	4.29
13	4.14	6.30	4.67	5.00	5.74	5.69	9.11	6.58	5.49	8.16	7.44	4.57
14	4.15	6.30	4.84	5.16	5.83	5.91	9.05	6.72	5.50	....	7.37	4.86
15	4.22	6.00	4.99	5.33	6.05	....	8.97	6.91	5.48	....	7.33	5.09
16	4.32	5.72	5.13	5.49	6.20	....	8.86	7.07	5.42	7.84	....	5.32
17	4.43	5.68	5.27	5.60	6.38	....	8.77	....	5.42	7.78	....	5.54
18	4.53	5.62	5.34	5.75	....	....	8.67	....	5.43	....	....	5.75
19	4.67	5.64	5.50	5.88	....	7.00	8.58	....	5.43	....	....	5.94
20	4.81	....	5.65	5.69	....	7.23	8.51	....	5.48	....	....	6.16
21	4.98	....	5.71	5.21	....	7.45	8.42	4.59	5.52	....	....	6.36
22	5.11	....	5.54	5.02	6.91	7.67	8.32	4.59	5.56	....	....	....
23	5.31	....	5.22	4.98	6.99	7.87	8.18	4.66	5.60	....	....	....
24	5.46	....	5.07	5.01	7.04	....	8.10	4.77	5.69	....	....	....
25	5.53	....	4.97	5.02	7.13	....	7.90	4.86	5.90	....	....	6.84
26	5.61	....	4.96	5.00	7.25	....	7.68	4.99	6.04	....	....	6.94
27	5.62	....	4.92	4.92	7.38	....	7.47	5.19	6.22	....	....	....
28	....	....	2.80	4.90	....	....	7.31	5.29	6.37	....	....	....
29	5.65	....	2.47	4.97	....	....	7.12	5.30	6.56	8.20	....	....
30	5.67	....	2.91	4.99	....	8.69	7.01	5.36	6.69	....	....	....
31	5.67	....	3.29	....	....	....	6.89	5.42	....	....	....	....

Tioga County

106. Lewis R. Kohler. In Gaines. Highest water level 8.45, Mar. 21, 1936; lowest 24.98, Sept. 16, 1939. Records available: 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	9.06	Apr. 8	9.95	July 8	20.40	Oct. 7	17.42
14	9.98	15	12.05	15	19.74	14	10.90
21	11.40	21	14.26	22	19.54	21	14.15
28	11.15	28	13.86	29	18.41	28	17.50
Feb. 4	11.79	May 6	11.38	Aug. 5	19.55	Nov. 4	15.80
11	12.60	13	14.29	12	20.98	11	14.44
18	11.70	20	13.43	19	16.93	18	16.06
25	11.58	27	14.69	26	17.65	25	9.44
Mar. 4	13.37	June 3	15.30	Sept. 2	19.80	Dec. 2	9.86
11	10.28	10	13.80	9	20.99	9	9.62
18	10.60	17	14.10	16	21.54	16	11.88
25	9.53	24	16.07	23	21.75	23	15.35
Apr. 1	9.30	July 1	18.70	30	22.10	30	15.35

Union County

122. D. R. Pursley. In Laurelton. Highest water level 5.40, Apr. 2, 16, Nov. 26, 1948; lowest 10.70, Oct. 1, 1948. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	5.44	Apr. 8	6.66	July 8	7.65	Sept. 29	9.34
13	5.43	14	6.96	14	7.30	Oct. 6	9.34
20	6.63	21	7.00	22	8.34	14	8.55
28	6.62	28	6.99	28	8.34	20	8.65
Feb. 3	6.62	May 5	6.80	Aug. 4	8.34	27	8.65
10	6.35	13	6.90	11	8.14	Nov. 3	8.66
18	6.00	20	6.02	19	8.15	10	8.66
24	6.65	27	6.02	26	9.12	17	7.90
Mar. 3	7.84	June 2	7.02	Sept. 1	9.15	24	7.25
11	7.85	10	7.02	8	9.15	Dec. 9	5.67
17	7.85	16	7.32	15	8.87	15	5.76
24	6.65	24	7.43	22	8.86	22	6.36
31	6.45	30	7.43	....	....	....	....

Washington County

112. Mrs. J. B. Luellen. In Amity. Highest water level 9.09, June 22, 1946;
lowest 34.84, Oct. 1, 1938. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	20.40	Apr. 7	14.25	June 30	20.20	Sept. 23	17.10
7	16.20	8	14.20	July 7	16.70	30	18.60
14	15.10	15	16.20	14	16.90	Oct. 6	16.70
21	15.20	22	17.80	21	18.10	13	15.60
28	13.40	28	15.10	28	20.10	20	16.10
Feb. 4	12.10	May 5	16.90	Aug. 4	20.40	27	22.40
11	11.90	12	18.30	11	22.40	Nov. 4	18.80
20	12.40	19	19.40	18	23.10	10	19.10
25	11.90	26	17.40	25	22.60	17	16.10
Mar. 4	13.30	June 2	19.70	Sept. 1	23.10	Dec. 9	10.00
11	17.50	8	21.10	8	23.70	16	13.00
18	13.60	16	21.40	13	31.79	23	13.00
25	10.30	22	18.45	15	21.10	30	13.40
Apr. 1	13.20	23	18.61				

Wayne County

83. A. H. Tyce. Near Hawley. Highest water level 2.08, May 23, 1942;
lowest dry, Oct. 25, Nov. 15-Dec. 20, 1941. Records available: 1931-42, 1944-50.

Jan. 7	10.35	Apr. 1	3.54	Aug. 5	11.52	Oct. 21	15.40
14	10.22	8	4.58	12	11.55	28	15.50
21	10.63	15	4.63	19	11.54	Nov. 4	15.24
28	10.35	29	7.63	26	13.22	11	15.35
Feb. 4	10.12	May 6	7.54	Sept. 2	13.50	18	15.60
11	9.16	13	7.56	9	14.43	26	9.40
18	9.46	27	8.54	16	14.40	Dec. 2	11.60
25	9.68	June 30	10.40	23	14.80	9	6.88
Mar. 4	9.75	July 8	10.73	30	14.55	16	8.60
11	9.63	15	10.82	Oct. 7	15.23	23	9.20
18	7.43	22	11.26	14	14.58	30	9.70
25	5.33	29	11.54				

RHODE ISLAND

By W. B. Allen

Scope of Water-Level Program

The observation-well program in Rhode Island, begun in 1944, was continued in 1950 in cooperation with the State Port and Industrial Development Commission. Field work was completed for the detailed investigation of ground-water resources in the East Greenwich quadrangle and about two-thirds completed for the Bristol quadrangle. The reconnaissance survey of existing ground-water supplies of the State, the monthly sampling of water for chloride content from two industrial pumping plants in the Woonasquatucket Valley in Providence, and the inventory of water wells were also continued. In April, a report on technical investigations of additional ground-water supplies in Rhode Island was presented at the quarterly meeting of the New England Water Works Association at Newport. Tabulation of well data was completed on the Rhode Island section of a report to show the factors affecting the yield of rock wells in southern New England.

At the end of 1949, the observation-well program in Rhode Island included 64 wells. At the end of 1950, the program included 53 wells. Of these wells, 5 were measured daily, 20 weekly, 23 monthly and 5 were equipped with recording gages.

Precipitation

According to records of the U. S. Weather Bureau, precipitation for the State as a whole during 1950 was 39.48 inches or about 4.5 inches more than in 1949 and about 3.1 inches less than the normal. The precipitation at Providence during the year was 41.46 inches or about 7.9 inches more than in 1949 and about 2.7 inches more than the normal for the preceding 46 years. In general, the temperatures for the State were about average resulting in average losses by evaporation and transpiration. In 1950, with greater precipitation than in the preceding year, conditions were more favorable for recharge of ground-water reservoirs and water levels were higher.

Interpretation of Water-Level Fluctuations

There was a net rise in water levels in 1950 in all but 11 observation wells in the State, the result chiefly of increased precipitation. A net drop for the year in nine of the wells resulted from pumping. The reason for the net decline in the other two wells is not apparent. At the beginning of 1950, the water table was at a low stage because of lack of recovery in November and December 1949. Water levels throughout the State rose during January through April but were not so high as usual for this time of year because precipitation was less than normal. Water levels dropped seasonally, beginning at the end of April and in May, due to evapotranspiration and to deficient precipitation in May through July, September, and October. Heavy rains in November recharged many of the ground-water reservoirs resulting in a net rise during the year in many wells.

Well-Numbering System

The identifying symbols for wells in Rhode Island consist of the name of the town or city followed by a number, wells in each town or city being numbered consecutively.

Well Descriptions and Water-Level Measurements

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

Bristol County

Barrington 1. Town of Barrington. In Department of Public Works Building, about 200 feet east of Upland Way, 2,500 feet north of Foote St. and 0.9 mile west of Barrington town hall. Water in bedrock. Highest water level 42.71 below lsd, May 29, 1948; lowest 46.92 below lsd, Dec. 15, 1945. Records available: 1945-50.

Barrington 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	45.94	May 3	44.59	Aug. 2	45.64	Oct. 31	46.44
Mar. 3	45.16	29	44.77	30	46.00	Nov. 28	45.95
26	44.80	June 29	45.14	Sept. 28	46.19	Dec. 27	45.60

Barrington 7. Rhode Island Lace Works, Inc. About 80 feet east of Narragansett Ave., 300 feet south of Bay Spring Ave., 0.5 mile northwest of West Barrington. Water level influenced by pumping wells nearby. Water in sand and gravel. Records available: 1947-50.

Jan. 3	a8.81	Apr. 3	7.24	July 10	8.27	Oct. 2	9.46
9	a8.91	10	7.44	17	8.73	16	9.13
16	8.83	24	7.41	24	8.49	23	9.55
23	8.69	May 1	7.41	31	8.75	30	9.29
Feb. 2	8.68	15	7.68	Aug. 7	8.79	Nov. 6	9.03
9	8.57	22	7.73	15	8.89	13	9.06
13	8.44	31	7.71	21	8.82	20	9.04
20	8.44	June 5	7.76	28	9.09	28	8.22
28	8.66	12	8.09	Sept. 4	9.13	Dec. 4	8.02
Mar. 6	8.59	19	8.11	11	9.05	11	7.79
14	8.66	26	8.28	18	9.07	18	7.86
20	8.66	July 3	8.44	25	9.39	20	7.83
27	7.49						

a Pumping; measurement made one hour after pump shut off.

Barrington 10. Charles Douglas. About 100 feet east of Clark Road, 1,150 feet south of intersection of Clark and Nayatt Roads, 1.1 miles east of Nayatt Point. Water in sand and gravel. Records available: 1947-50.

Jan. 30	36.84	May 1	35.30	Aug. 2	35.82	Oct. 31	37.07
Mar. 3	36.26	29	35.29	30	36.10	Nov. 28	37.00
26	35.80	June 29	35.47	Sept. 28	36.36	Dec. 27	36.60

Bristol 27. H. T. Sullivan. About 50 feet west of Hope St., opposite Tupelo St., 0.5 mile south of Bristol-Warren town line. Water in glacial till. Records available: 1949-50.

Jan. 30	12.25	May 1	11.55	Aug. 2	17.05	Oct. 31	17.42
Mar. 3	10.32	29	12.79	30	17.70	Nov. 28	16.16
26	9.21	June 29	13.67	Sept. 28	16.88	Dec. 27	13.54

Kent County

Coventry 32. Warwick and Coventry Water Co. test well. About 50 feet southeast of No. 2 pumping station, 0.35 mile north of State Highway 3. 0.3 mile southeast of Washington. Water level influenced by pumping wells nearby. Water in sand and gravel. Records available: 1948-50.

Jan. 3	11.26	Apr. 4	9.01	July 5	10.24	Oct. 4	11.10
11	11.38	11	10.29	11	10.18	11	11.01
17	11.26	18	8.50	18	10.54	17	11.05
23	11.37	25	9.07	25	10.59	24	11.25
31	11.40	May 1	9.94	Aug. 1	10.78	Nov. 1	11.48
Feb. 7	11.37	9	9.97	8	10.06	7	11.32
14	11.05	16	10.80	16	10.72	14	10.89
21	9.58	23	10.70	22	10.31	21	10.72
28	10.14	29	9.96	29	10.47	27	9.46
Mar. 7	10.57	June 6	8.88	Sept. 6	10.56	Dec. 5	10.41
14	10.50	14	10.52	12	10.59	12	10.38
21	10.48	20	10.57	20	10.76	19	10.64
28	7.61	27	10.96	26	10.83	27	10.19

East Greenwich 3. East Greenwich Water Co. pumping station 3. About 300 feet west of Post Road (U. S. Highway 1), 150 feet north of Hunt River, 1.6 miles southwest of East Greenwich. Water level influenced by pumping well nearby. Screened in sand and gravel. Records available: 1944-47, 1949-50.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.5	9.0	9.0	8.2	7.9	9.2	9.5	10.0	10.5	10.2	9.8	9.0
2	10.5	9.0	9.0	8.2	7.9	9.2	9.5	10.0	10.5	10.2	9.8	9.0
3	10.5	9.0	9.0	8.2	7.9	9.2	9.5	10.0	10.5	10.2	9.8	9.0
4	10.3	9.0	9.0	8.2	7.9	9.2	9.5	10.1	10.5	10.2	9.7	9.0
5	10.3	9.0	9.0	8.2	7.9	9.2	9.5	10.1	10.5	10.2	9.7	9.0
6	10.3	9.0	8.8	8.2	8.0	9.2	9.6	10.1	10.5	10.2	9.7	9.0
7	10.2	9.0	8.8	8.2	8.0	9.2	9.6	10.1	10.5	10.2	9.5	9.0
8	10.2	9.0	8.8	8.1	8.0	9.2	9.6	10.2	10.5	10.2	9.3	9.0
9	10.2	9.0	8.8	8.1	8.0	9.2	9.6	10.2	10.5	10.1	9.3	9.0
10	10.2	9.0	8.8	8.1	8.0	9.3	9.6	10.2	10.5	10.1	9.3	9.0
11	10.2	9.0	8.8	8.1	8.0	9.3	9.6	10.2	10.5	10.1	9.3	9.0
12	10.0	9.0	8.7	8.1	8.0	9.3	9.7	10.2	10.5	10.1	9.3	9.0
13	9.8	9.0	8.7	8.1	8.0	9.3	9.7	10.2	10.4	10.1	9.3	9.0
14	9.8	9.0	8.7	8.1	8.2	9.3	9.7	10.3	10.4	10.1	9.2	9.0
15	9.8	9.0	8.5	8.0	8.2	9.3	9.7	10.3	10.4	10.1	9.2	9.0
16	9.7	9.0	8.5	8.0	8.3	9.3	9.7	10.3	10.4	10.1	9.2	9.0
17	9.7	9.0	8.5	8.0	8.3	9.3	9.8	10.3	10.4	10.1	9.2	9.0
18	9.7	9.0	8.5	8.0	8.3	9.3	9.8	10.3	10.4	10.1	9.0	9.0
19	9.7	9.0	8.4	8.0	8.3	9.4	9.8	10.3	10.4	10.0	9.0	9.0
20	9.7	9.0	8.4	8.0	8.5	9.4	9.8	10.3	10.4	10.0	9.0	9.0
21	9.5	9.0	8.4	8.0	8.5	9.4	9.8	10.3	10.4	10.0	9.0	9.0
22	9.5	9.0	8.4	8.0	8.5	9.4	9.8	10.3	10.4	10.0	9.0	9.0
23	9.5	9.0	8.4	7.9	8.5	9.4	9.8	10.3	10.4	10.0	9.0	9.0
24	9.5	9.0	8.4	7.9	8.7	9.4	9.8	10.3	10.4	10.0	9.0	9.0
25	9.5	9.0	8.3	7.9	8.8	9.5	9.8	10.3	10.4	9.9	9.0	9.0
26	9.3	9.0	8.3	7.9	8.8	9.5	9.8	10.4	10.3	9.9	9.0	9.0
27	9.3	9.0	8.2	7.9	8.8	9.5	9.8	10.4	10.3	9.9	9.0	9.0
28	9.3	9.0	8.2	7.9	8.8	9.5	9.9	10.4	10.3	9.9	9.0	9.0
29	9.2		8.2	7.9	8.9	9.5	9.9	10.4	10.3	9.9	9.0	9.0
30	9.2		8.2	7.9	8.9	9.5	9.9	10.4	10.2	9.9	9.0	9.0
31	9.0		8.2		9.1		10.0	10.5		9.8		9.0

Warwick 33. East Greenwich Water Co. pumping station 2. About 100 feet east of Post Road (U. S. Highway 1), 600 feet north of Hunt River, 1.6 miles southwest of East Greenwich. Water level influenced by pumping well nearby. Screened in sand and gravel. Records available: 1944-47, 1949-50.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.5	8.0	8.0	7.2	6.9	8.1	8.5	9.0	9.5	9.2	8.8	8.0
2	9.5	8.0	8.0	7.2	6.9	8.1	8.5	9.0	9.5	9.2	8.8	8.0
3	9.5	8.0	8.0	7.2	6.9	8.1	8.5	9.0	9.5	9.2	8.8	8.0
4	9.5	8.0	7.9	7.2	6.9	8.2	8.5	9.1	9.5	9.2	8.7	8.0
5	9.5	8.0	7.9	7.2	6.9	8.2	8.5	9.1	9.5	9.2	8.7	8.0
6	9.3	8.0	7.9	7.2	7.0	8.2	8.6	9.1	9.5	9.2	8.7	8.0
7	9.3	8.0	7.8	7.2	7.0	8.2	8.6	9.1	9.5	9.2	8.7	8.0
8	9.3	8.0	7.8	7.1	7.0	8.2	8.6	9.2	9.5	9.2	8.5	8.0
9	9.3	8.0	7.8	7.1	7.0	8.2	8.6	9.2	9.5	9.1	8.5	8.0
10	9.3	8.0	7.8	7.1	7.0	8.3	8.6	9.2	9.5	9.1	8.5	8.0
11	9.3	8.0	7.8	7.1	7.0	8.3	8.6	9.2	9.5	9.1	8.3	8.0
12	9.0	8.0	7.8	7.1	7.0	8.3	8.7	9.2	9.5	9.1	8.3	8.0
13	9.0	8.0	7.8	7.1	7.0	8.3	8.7	9.2	9.4	9.1	8.3	8.0
14	9.0	8.0	7.8	7.1	7.2	8.3	8.7	9.3	9.4	9.1	8.2	8.0
15	9.0	8.0	7.5	7.0	7.2	8.3	8.7	9.3	9.4	9.1	8.2	8.0
16	8.8	8.0	7.5	7.0	7.2	8.3	8.7	9.3	9.3	9.1	8.2	8.0
17	8.8	8.0	7.4	7.0	7.3	8.3	8.8	9.3	9.3	9.1	8.2	8.0
18	8.8	8.0	7.4	7.0	7.3	8.3	8.8	9.3	9.3	9.1	8.0	8.0
19	8.7	8.0	7.4	7.0	7.3	8.4	8.8	9.3	9.3	9.1	8.0	8.0
20	8.7	8.0	7.4	7.0	7.5	8.4	8.8	9.3	9.3	9.0	8.0	8.0
21	8.5	8.0	7.4	7.0	7.5	8.4	8.8	9.3	9.3	9.0	8.0	8.0
22	8.5	8.0	7.4	7.0	7.5	8.4	8.8	9.3	9.3	9.0	8.0	8.0
23	8.5	8.0	7.3	6.9	7.5	8.4	8.8	9.3	9.3	9.0	8.0	8.0
24	8.5	8.0	7.3	6.9	7.7	8.5	8.8	9.3	9.3	9.0	8.0	8.0
25	8.5	8.0	7.3	6.9	7.7	8.5	8.8	9.3	9.3	9.0	8.0	8.0

Warwick 33--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	8.3	8.0	7.3	6.9	7.8	8.5	8.8	9.4	9.3	8.9	8.0	8.0
27	8.3	8.0	7.2	6.9	7.8	8.5	8.8	9.4	9.3	8.9	8.0	8.0
28	8.3	8.0	7.2	6.9	7.8	8.5	8.9	9.4	9.3	8.9	8.0	8.0
29	8.2		7.2	6.9	7.9	8.5	8.9	9.4	9.3	8.9	8.0	8.0
30	8.0		7.2	6.9	7.9	8.5	8.9	9.4	9.2	8.9	8.0	8.0
31	8.0		7.2		8.1		9.0	9.5		8.8		8.0

Warwick 39. U. S. Naval Advance Base Depot pumping station 9A, Davisville. About 1,250 feet east of Post Road (U. S. Highway 1), 0.1 mile north of Hunt River, 1.6 miles southwest of East Greenwich. Water level influenced by pumping well nearby. Screened in sand and gravel. Records available: 1943-50.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	a27.0	a24.4	14.2	a22.3	11.1	10.9	12.3	14.8	15.3	15.8	15.7	12.8
2	a25.3	a24.8	a22.1	a22.3	11.1	10.8	12.3	14.9	15.8	15.7	15.8	12.8
3	a25.4	a24.8	12.8	a22.3	11.1	10.8	12.3	14.8	15.8	15.8	15.8	12.7
4	a23.7	13.8	a22.6	a22.3	11.1	10.8	12.3	14.8	15.8	16.0	15.7	12.7
5	a24.8	13.3	a23.0	a22.3	11.1	10.7	12.3	14.8	15.3	15.8	15.7	12.5
6	a25.0	13.5	a23.3	a22.3	11.0	10.8	12.3	14.3	15.7	15.8	15.5	12.4
7	a25.3	15.3	a23.3	a22.3	11.0	10.9	12.5	a25.0	15.8	15.7	15.2	12.4
8	15.3	15.3	a22.3	a22.4	11.0	10.8	13.0	14.7	16.3	15.7	15.2	12.3
9	a25.3	15.3	a22.3	a22.1	11.1	10.9	12.8	14.8	16.3	15.8	15.3	12.3
10	a24.8	a27.5	a22.8	a22.1	11.0	11.3	a25.3	14.8	16.3	15.8	15.3	12.3
11	15.3	a27.8	a22.6	a22.2	10.9	a23.2	13.3	14.8	16.0	15.7	15.0	11.8
12	15.5	a23.5	a22.4	a21.9	10.9	a23.8	13.1	a26.4	16.0	15.7	15.0	12.0
13	15.5	a24.9	a22.3	a22.0	10.8	a23.8	13.1	14.8	15.9	15.6	15.0	12.0
14	a24.0	13.8	a22.4	a21.9	10.8	11.8	13.1	14.8	15.7	15.3	15.0	12.0
15	a24.3	a24.6	a22.4	a22.3	10.8	12.2	13.0	14.8	15.7	14.8	15.3	12.0
16	a23.9	a24.2	a22.7	a22.3	10.8	12.3	12.9	14.8	15.3	14.8	15.3	11.9
17	a24.0	a22.9	12.4	a22.3	10.8	12.3	13.1	a26.3	15.3	14.8	15.3	11.9
18	a24.2	12.3	a22.3	a22.3	11.3	12.0	13.0	14.8	15.3	14.8	15.3	11.9
19	a24.3	a22.3	12.3	a22.3	11.3	11.9	a25.4	15.8	15.7	15.0	15.2	11.9
20	a24.1	14.5	12.3	a22.3	11.2	12.0	13.6	15.3	15.8	15.0	15.2	12.0
21	a24.0	13.3	a22.8	a22.3	11.5	12.0	13.6	14.9	15.8	15.0	15.2	12.0
22	a24.3	a22.7	a22.3	a22.4	11.2	12.0	13.8	14.6	15.8	15.0	15.2	12.0
23	a24.5	15.3	12.5	a22.3	11.0	12.1	13.8	14.8	15.8	15.0	15.1	12.3
24	a24.3	14.8	a21.8	11.3	11.0	11.8	13.3	14.8	15.7	15.0	14.0	12.3
25	a24.3	12.7	a21.6	a22.0	10.9	11.8	13.8	15.3	15.7	15.0	13.8	12.3
26	a24.5	12.1	a21.7	11.5	10.9	12.3	14.3	15.3	15.7	15.0	13.3	12.3
27	a24.3	12.9	a21.5	11.6	11.3	12.3	14.3	15.2	15.7	15.0	13.0	12.3
28	a24.4	a22.3	a21.8	11.4	11.3	12.3	14.7	15.1	15.7	15.7	13.0	12.3
29	a23.6		a22.1	11.3	11.3	12.3	14.7	15.1	15.7	15.7	12.8	12.3
30	a24.4		a22.0	11.1	10.8	12.3	14.7	15.2	16.0	15.7	12.8	12.3
31	a24.6		a22.1		10.8		14.7	15.3		15.7		12.3

a Pumping.

Warwick 40. U. S. Naval Advance Base Depot pumping station 14A, Davisville. About 1,250 feet east of Post Road (U. S. Highway 1), 200 feet north of Hunt River, 1.6 miles southwest of East Greenwich. Water level influenced by pumping well nearby. Screened in sand and gravel. Records available: 1943-50.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	g9.0	g8.0	g6.4	g6.3	8.1	7.8	9.0	11.8	11.4	12.3	11.8	9.2
2	g9.3	g8.3	g6.3	g6.3	8.3	7.8	8.8	11.3	12.1	12.5	12.1	9.2
3	g9.2	9.6	g6.2	g6.3	7.8	7.7	8.8	11.2	12.1	12.3	12.0	9.4
4	10.2	9.5	g6.8	g6.3	7.8	7.7	8.8	11.5	11.8	12.3	12.0	9.3
5	g9.3	9.8	g6.8	g6.3	7.8	7.8	9.1	10.8	11.8	12.3	12.0	9.3
6	g9.0	10.0	g6.8	g6.3	7.9	7.8	9.0	10.6	11.8	12.3	11.4	9.2
7	g9.3	g8.3	g6.5	g6.4	8.0	8.0	9.3	10.8	11.8	12.3	11.2	9.2
8	g8.0	g8.0	g6.8	g6.1	7.9	8.1	9.8	10.8	12.3	12.3	11.1	9.2
9	g8.3	g8.0	g6.8	g6.1	7.9	8.0	9.8	11.1	12.3	12.3	11.2	9.3
10	g8.8	g7.3	g6.6	g6.1	8.0	8.3	9.9	10.8	12.3	12.3	11.2	9.3
11	g8.8	g7.4	g6.5	7.4	7.9	g6.3	9.8	11.1	12.0	12.1	11.3	9.0
12	g8.3	g7.3	g6.4	7.9	7.9	g6.3	9.8	10.8	11.8	12.1	11.3	9.0
13	g8.3	g7.5	g6.3	7.2	7.9	g6.8	9.8	10.9	11.8	12.0	11.3	9.0
14	g8.3	g7.1	g6.7	g6.0	7.3	8.3	9.8	10.8	11.7	11.3	11.3	9.0
15	g8.0	g7.2	g6.4	g6.0	7.3	9.1	9.8	11.0	11.7	11.3	11.8	9.0

Warwick 40--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	g8.2	g7.3	g6.4	g6.0	7.5	8.8	9.7	11.1	12.0	11.3	11.8	8.9
17	9.1	g7.0	g6.3	g6.0	7.3	8.8	9.6	11.2	11.8	11.5	11.8	8.9
18	g8.3	g6.8	g6.5	g6.0	7.8	8.3	9.7	11.2	11.8	11.5	11.8	9.0
19	9.1	g6.8	g6.3	g6.0	7.8	8.2	10.3	11.8	12.0	11.6	11.7	9.0
20	9.2	g6.8	g6.3	g6.0	7.8	8.8	10.4	11.3	12.0	11.6	11.7	9.0
21	g8.1	g6.8	g6.3	g6.0	7.8	8.9	9.9	11.3	12.3	11.5	11.5	9.0
22	g8.0	g6.8	g6.4	g6.0	7.8	8.9	10.3	11.1	12.3	11.5	11.5	9.0
23	g8.3	g6.8	g6.0	g5.9	7.8	9.0	10.3	11.1	12.3	11.6	11.5	8.8
24	g8.5	g6.9	g6.0	8.2	7.9	9.1	10.3	11.1	12.3	11.6	11.7	8.8
25	g8.3	g7.0	g5.8	g5.9	7.9	9.1	10.3	11.1	12.3	11.6	9.9	8.8
26	g8.2	g6.7	g5.6	8.2	7.7	8.8	10.4	11.0	12.3	11.6	9.3	8.8
27	g8.0	g6.7	g5.6	8.3	7.8	8.8	10.3	11.2	12.3	11.6	9.3	8.8
28	g8.2	g6.8	g5.6	8.4	7.8	9.0	10.3	11.2	12.3	11.6	9.3	8.8
29	g8.0		g6.0	8.3	7.8	9.0	10.3	11.2	12.4	11.8	9.3	8.8
30	g7.8		g6.0	8.1	7.9	9.0	10.8	11.3	12.3	11.8	9.1	8.8
31	g7.7		g6.1		7.8		11.9	11.3		11.8		8.8

g Not pumping.

Warwick 59. Our Lady of Providence Seminary. About 350 feet east of Warwick Neck Ave., 200 feet south of Aldrich Ave., 1.25 miles north of Warwick Point. Water in glacial till. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	8.12	May 1	4.87	Aug. 30	12.76	Nov. 29	7.73
Mar. 1	4.70	29	5.36	Sept. 29	13.81	Dec. 27	5.13
29	4.42	Aug. 2	10.30	Oct. 25	14.10		

Newport County

Portsmouth 72. St. Mary's Church (parish house). About 30 feet west of East Main Road, 3,200 feet northeast of intersection of East Main Road and Mitchell Lane. Water in glacial till. Records available: 1947-50.

Jan. 4	27.43	Apr. 4	14.24	July 5	20.59	Oct. 3	26.89
10	26.78	11	15.54	11	21.09	11	27.31
17	25.84	18	16.26	18	21.64	17	27.55
24	24.73	25	16.46	25	22.18	24	27.88
Feb. 1	23.01	May 2	17.06	Aug. 1	22.73	31	28.22
7	16.51	9	17.54	8	22.94	Nov. 6	28.38
14	15.41	17	17.88	15	23.46	14	28.59
21	10.60	23	18.25	24	24.08	21	28.59
28	12.15	June 1	18.75	29	24.41	28	27.76
Mar. 7	15.51	6	18.90	Sept. 5	24.84	Dec. 6	26.53
14	16.90	13	19.10	12	25.33	12	25.38
21	17.29	19	19.45	19	25.82	19	24.28
28	13.75	26	19.87	26	26.34	28	23.02

Tiverton 31. North Tiverton Water District. Boessoneau well field, test well 31. Water level influenced by pumping wells nearby. Water in sand and gravel. Records available: 1947-50.

Jan. 7	2.53	Apr. 8	a2.09	July 8	a5.24	Oct. 7	7.80
14	.39	15	a4.67	15	1.12	17	7.37
21	+.27	22	a4.00	23	2.83	21	7.17
28	+.41	29	a4.47	29	a8.89	29	7.07
Feb. 4	+2.80	May 6	a3.81	Aug. 5	a7.51	Nov. 7	5.67
11	a+.09	13	a5.10	12	a10.03	20	3.42
18	a+1.01	20	a4.98	19	a11.59	26	1.52
26	a+.91	27	a5.18	26	a12.37	Dec. 4	+.51
Mar. 4	a+.88	June 3	a2.07	Sept. 2	a11.66	10	+2.09
11	a+.76	10	a3.49	9	a12.08	16	+2.39
18	a+.11	17	a1.80	17	6.34	24	+2.38
25	a+1.20	24	a5.08	23	7.13	31	+2.75
Apr. 2	a1.79	July 1	a4.88	30	7.40		

a Pumping.

Tiverton 47. North Tiverton Water District, McIntyre well field, well 16. About 900 feet east of Eight Rod Way, 0.6 mile south of intersection of Eight Rod Way and Mile Road. Water level influenced by pumping wells nearby. Water in sand and gravel. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	11.22	Apr. 8	a2.67	July 8	a2.89	Oct. 7	12.63
14	a .88	15	a+.68	15	1.73	17	13.07
21	a4.09	22	a .10	23	a6.86	21	a14.27
28	a3.07	29	a5.40	29	a10.99	29	a13.46
Feb. 4	a2.78	May 6	a3.27	Aug. 5	a12.04	Nov. 7	a12.94
11	a1.81	13	a2.42	12	a13.43	20	a10.03
18	a1.58	20	a1.97	19	a14.32	26	a9.44
26	a1.76	27	a2.04	26	13.74	Dec. 4	a .98
Mar. 4	a1.84	June 3	a2.73	Sept. 2	a14.50	10	a1.84
11	a2.69	10	a3.59	9	a14.79	16	a2.53
18	a2.60	17	.76	17	12.60	24	a .58
25	a .47	24	a3.49	23	a13.86	31	a1.78
Apr. 2	a2.51	July 1	a3.15	30	a13.99		

a Pumping.

Providence County

Burrillville 21. Cyrille Bruynel. About 25 feet north of Tarkiln Road, 1.25 miles southwest of intersection of Tarkiln Road and Douglas Pike, 1.1 miles south of Oak Valley. Water in glacial till. Records available: 1947-50. Aug. 1, 11.35; Aug. 30, 10.94; Sept. 28, 11.66; Oct. 27, 11.82; Dec. 1, 6.91; Dec. 26, 6.56.

Cranston 3. Narragansett Brewing Co. pumping station 1. In Cranston, about 100 feet east of New York, New Haven & Hartford Railroad tracks. Used well, measurements made 30 minutes after pump shut off. Screened in sand and gravel. Records available: 1938-50.

Jan. 1	29.8	Apr. 9	29.5	July 9	30.0	Oct. 8	30.8
8	30.0	16	29.1	16	30.0	15	30.7
15	30.1	23	29.0	23	30.1	22	30.6
22	29.9	30	29.1	30	30.3	29	30.5
29	29.8	May 7	29.0	Aug. 6	30.1	Nov. 5	30.7
Feb. 5	30.0	14	29.2	13	30.5	12	30.7
12	30.0	21	29.2	20	30.5	19	30.7
19	29.9	28	29.2	27	30.5	26	30.7
26	29.9	June 4	28.9	Sept. 3	30.6	Dec. 2	30.4
Mar. 5	29.9	11	28.9	10	30.6	10	30.1
12	29.5	18	29.2	17	30.6	17	30.0
19	29.5	25	29.4	24	30.8	24	29.8
26	29.5	July 2	29.4	Oct. 1	30.8	31	30.6
Apr. 2	29.0						

Cranston 4. Narragansett Brewing Co. pumping station 2. About 175 feet east of New York, New Haven & Hartford Railroad tracks. Used well, measurements made 30 minutes after pump shut off. Screened in sand and gravel. Records available: 1939-50.

Jan. 1	33.9	Apr. 9	33.0	July 9	34.3	Oct. 8	35.0
8	34.6	16	33.1	16	34.9	15	33.9
15	34.6	23	31.4	23	34.7	22	34.9
22	34.5	30	33.2	30	34.8	29	34.9
29	34.4	May 7	33.1	Aug. 6	34.7	Nov. 5	35.2
Feb. 5	34.4	14	33.2	13	34.6	12	34.8
12	33.6	21	33.2	20	34.0	19	34.5
19	33.6	28	33.2	27	33.2	26	35.0
26	33.3	June 4	31.7	Sept. 3	35.2	Dec. 2	34.4
Mar. 5	33.2	11	32.4	10	34.9	10	34.2
12	33.1	18	32.3	17	35.0	17	31.7
19	33.0	25	32.5	24	35.2	24	32.1
26	33.1	July 2	32.5	Oct. 1	35.1	31	31.8
Apr. 2	32.9						

Cranston 12. Narragansett Brewing Co. pumping station 3. In Cranston about 30 feet east of railroad siding, New York, New Haven & Hartford Railroad tracks. Water level influenced by pumping wells nearby. Screened in sand and gravel. Records available: 1938-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	h32.3	.....	.....	.....	.....	31.11	32.36	33.08	33.38	33.08	33.72	32.88
2	31.07	32.04	33.20	33.11	33.39	33.58	32.72
3	31.04	32.09	33.26	29.93	33.63	33.31	32.60
4	h31.4	.....	30.97	32.06	33.11	29.92	33.71	33.18	32.73
5	h32.4	h32.1	.....	.....	31.40	32.14	32.82	33.25	33.56	33.09	32.69
6	31.74	32.42	32.67	33.50	33.30	33.11	32.56
7	h31.4	31.90	32.52	32.02	33.56	33.15	33.09	32.49
8	h32.4	.....	.....	.....	.....	32.02	32.42	33.27	33.41	33.06	32.92	32.44
9	h32.0	.....	32.04	32.10	33.36	33.08	33.42	32.91	32.36
10	31.74	32.26	33.39	29.91	33.59	32.88	32.32
11	31.42	32.52	33.26	33.26	33.44	32.89	32.32
12	h32.3	h32.0	.....	.....	31.75	32.66	32.97	33.51	33.16	33.26	32.29
13	32.03	32.55	29.82	33.64	33.07	33.46	32.25
14	h31.5	32.14	32.80	29.84	33.68	33.03	33.59	32.20
15	h32.4	.....	.....	.....	.....	31.99	32.68	33.15	33.52	32.95	33.59	32.16
16	h31.9	.....	31.69	32.40	33.37	33.19	33.27	33.44	32.09
17	31.55	32.65	33.44	33.03	33.51	33.16	32.02
18	31.49	32.84	33.41	33.88	33.61	33.05	31.94
19	h32.1	h32.0	.....	.....	31.74	32.92	32.99	33.61	33.52	32.94	.....
20	32.00	31.98	28.74	33.72	33.20	33.31	32.50
21	h31.4	31.92	32.02	33.05	33.76	33.06	33.34	32.62
22	h32.2	.....	.....	.....	.....	31.69	32.88	33.29	33.59	33.07	33.52	32.49
23	h31.5	.....	31.63	32.55	33.42	33.25	33.32	33.38	32.16
24	31.64	32.75	33.46	33.11	33.54	33.12	31.99
25	31.62	31.97	33.29	33.44	33.67	33.02	31.88
26	h32.1	h32.1	.....	31.34	31.93	33.07	32.96	33.72	33.54	32.88	32.09
27	31.29	32.21	33.13	28.54	33.75	33.26	33.14	32.42
28	31.19	32.36	33.15	32.16	33.59	33.10	33.34	32.54
29	h32.1	.....	.....	.....	31.21	32.45	32.97	33.39	33.29	32.98	33.37	32.41
30	h31.5	31.20	32.50	32.67	33.51	33.14	33.34	33.19	32.08
31	31.14	.....	32.91	33.55	.....	33.63	.....	31.87

h Tape measurement.

Cranston 38. Narragansett Brewing Co. pumping station 4, observation well 1. 4.1 feet west of Cranston 36, about 200 feet east of New York, New Haven & Hartford Railroad tracks. Water level influenced by pumping well nearby. Water in sand and gravel. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	19.8	Apr. 3	18.9	July 3	22.0	Oct. 2	23.0
9	21.8	10	19.1	10	23.0	9	21.9
16	21.7	17	19.1	17	21.5	16	22.7
23	20.7	24	20.9	24	21.7	23	21.7
30	20.0	May 1	19.4	31	22.5	30	21.8
Feb. 6	20.0	8	19.9	Aug. 7	21.9	Nov. 6	22.1
13	20.1	15	19.4	14	20.7	13	21.9
20	20.2	22	19.5	21	22.5	20	21.7
27	20.1	29	19.8	28	22.4	27	21.2
Mar. 6	20.0	June 5	19.9	Sept. 4	20.6	Dec. 3	21.0
13	19.6	12	20.4	11	21.5	11	21.5
20	20.2	19	22.1	18	21.9	18	21.6
27	19.3	26	22.0	26	22.1	25	21.5

Cranston 39. Narragansett Brewing Co. well 2. About 200 feet east of New York, New Haven & Hartford Railroad tracks. Water level influenced by pumping well nearby. Water in sand and gravel. Records available: 1946-50.

Cranston 39--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	13.0	Apr. 3	11.5	July 3	13.6	Oct. 2	14.5
9	13.0	10	11.5	10	13.8	9	14.3
16	13.1	17	11.3	17	13.8	16	14.0
23	12.9	24	11.8	24	14.0	23	14.0
30	12.7	May 1	11.6	31	14.3	30	14.1
Feb. 6	12.6	8	11.8	Aug. 7	14.1	Nov. 6	14.1
13	12.3	15	11.9	14	14.6	13	13.8
20	12.4	22	11.8	21	14.4	20	14.1
27	12.1	29	12.0	28	14.2	27	13.7
Mar. 6	11.9	June 5	12.0	Sept. 4	14.4	Dec. 3	13.5
13	11.7	12	12.1	11	14.1	11	13.3
20	11.2	19	12.1	18	14.4	18	13.0
27	11.8	26	13.3	26	14.4	25	13.0

Cranston 40. Narragansett Brewing Co. well 3. About 500 feet east of New York, New Haven & Hartford Railroad tracks. Water level influenced by pumping wells nearby. Water in sand and gravel. Records available: 1946-50.

Jan. 2	21.1	Apr. 3	19.6	July 3	20.8	Oct. 2	21.9
9	21.1	10	19.3	10	20.7	9	21.9
16	21.0	17	19.2	17	21.4	16	21.4
23	20.7	24	19.1	24	21.6	23	21.7
30	20.7	May 1	19.2	31	21.6	30	21.7
Feb. 6	20.6	8	19.6	Aug. 7	21.8	Nov. 6	21.8
13	20.3	15	19.8	14	21.8	13	21.6
20	20.2	22	19.7	21	21.7	20	21.7
27	20.1	29	19.9	28	21.8	27	21.3
Mar. 6	20.0	June 5	19.6	Sept. 4	22.0	Dec. 3	21.2
13	19.7	12	20.3	11	21.9	11	20.9
20	19.6	19	20.3	18	21.9	18	20.3
27	19.6	26	19.5	26	22.0	25	20.2

Cranston 41. Narragansett Brewing Co. well 4. In Cranston about 600 feet east of New York, New Haven & Hartford Railroad tracks. Water level influenced by pumping well nearby. Water in sand and gravel. Records available: 1946-50.

Jan. 2	22.1	Apr. 3	20.6	July 3	22.1	Oct. 2	23.2
9	22.4	10	20.4	10	22.5	9	23.0
16	22.3	17	20.3	17	22.3	16	22.7
23	21.7	24	20.9	24	23.0	23	22.7
30	21.7	May 1	20.7	31	22.8	30	22.7
Feb. 6	21.5	8	20.7	Aug. 7	22.8	Nov. 6	22.7
13	21.3	15	20.7	14	22.9	13	22.6
20	21.3	22	20.7	21	22.9	20	22.8
27	21.1	29	20.9	28	22.8	27	22.3
Mar. 6	20.8	June 5	20.9	Sept. 4	22.8	Dec. 3	22.1
13	20.3	12	20.8	11	22.8	11	21.9
20	20.7	19	21.7	18	23.0	18	21.7
27	20.6	26	21.7	26	23.1	25	21.8

Cumberland 129. Thomas Cooney Estate. About 90 feet west of Mendon Road, 0.4 mile south of Cumberland Hill. Water in glacial till. Records available: 1946-50.

Jan. 30	8.02	Apr. 27	7.30	Aug. 2	15.21	Oct. 27	15.59
Feb. 27	7.26	May 29	10.01	30	14.48	Dec. 1	7.95
Mar. 27	5.42	June 29	12.24	Sept. 28	15.35	26	8.63

Cumberland 265. Clarence Lawton. About 55 feet south of Scott Road, 0.25 mile north-east of Ashton. Water in sand and gravel. Records available: 1946-50.

Jan. 30	12.32	Apr. 27	12.53	Aug. 2	15.72	Oct. 27	15.10
Feb. 27	11.90	May 29	13.50	30	14.15	Dec. 1	11.90
Mar. 27	11.65	June 29	14.23	Sept. 28	14.61	26	12.04

Foster 1. Old Staples Farm. About 40 feet east of Rams Tail Road, 4,000 feet north of intersection of Rams Tail Road and Central Pike, 0.5 mile south of South Foster. Water in overburden. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	6.93	Apr. 27	6.40	Aug. 1	11.45	Oct. 27	13.01
Feb. 27	6.93	May 29	6.83	31	12.27	Dec. 1	6.89
Mar. 27	5.95	June 29	9.25	Sept. 29	12.84	26	7.46

Foster 3. Clarence S. Cook. About 60 feet north of Danielson Pike, 40 feet west of Cucumber Hill Road. Water in glacial till. Records available: 1947-50.

Jan. 30	30.93	Apr. 27	15.80	Aug. 1	22.35	Oct. 27	30.70
Feb. 27	25.18	May 29	16.75	30	26.11	Dec. 1	32.45
Mar. 27	18.28	June 29	18.05	Sept. 29	28.36	26	29.00

Foster 4. Cucumber Hill Well. About 12 feet north of Cucumber Hill Road, 1.5 miles southeast of intersection of Cucumber Hill and South Killingly Roads, 1.7 miles southeast of North Sterling Church. Water in glacial till. Records available: 1947-50.

Jan. 30	9.16	Apr. 27	7.80	Aug. 1	10.80	Oct. 27	11.43
Feb. 27	8.40	May 29	8.80	30	11.13	Dec. 1	9.29
Mar. 27	7.27	June 29	9.85	Sept. 29	11.08	26	9.32

Foster 5. S. J. Chatterson. About 20 feet east of Foster Center Road, 3,000 feet southeast of intersection of Foster Center Road and Danielson Pike, 0.75 mile north of Foster Center. Water in overburden. Records available: 1947-50.

Jan. 30	8.35	Apr. 27	8.83	Aug. 1	10.95	Oct. 27	10.48
Feb. 27	9.13	May 29	9.18	30	10.72	Dec. 1	8.46
Mar. 27	8.00	June 29	10.07	Sept. 29	10.89	26	9.45

Foster 11. Mrs. F. A. Cahoone. About 4 feet southwest of Foster Center Road, 150 feet west of King Randall Road, 1.4 miles southeast of Foster Center. Water in glacial till. Records available: 1949-50.

Jan. 30	7.80	Apr. 27	7.60	Aug. 1	10.65	Oct. 27	11.48
Feb. 27	7.00	May 29	8.50	31	11.08	Dec. 1	7.34
Mar. 27	5.75	June 29	9.21	Sept. 29	11.37	26	7.79

Lincoln 84. Lincoln Bleachery & Dye Works. About 5 feet north of machine shop, 0.1 mile northwest of Lonsdale. Water level influenced by pumping wells nearby. Screened in sand and gravel. Records available: 1946-50.

Jan. 7	6.40	Apr. 8	5.25	July 7	5.77	Oct. 7	6.77
14	6.10	15	5.08	15	6.07	14	6.34
21	6.13	22	4.51	21	6.13	21	6.54
28	6.11	29	4.60	29	6.17	28	7.22
Feb. 4	6.14	May 3	5.12	Aug. 5	6.48	Nov. 5	6.88
11	5.89	13	5.62	12	5.77	10	6.85
18	5.59	20	5.77	19	6.57	18	6.88
25	5.90	26	5.86	26	6.44	25	6.63
Mar. 4	6.45	June 2	5.38	Sept. 2	6.31	Dec. 2	5.99
11	4.74	9	5.69	9	6.58	9	5.28
18	5.42	17	5.89	16	6.95	16	6.07
25	3.23	24	6.14	25	6.77	23	6.25
Apr. 1	4.20	30	6.24	30	7.14	30	6.22

Lincoln 181. Sayles Finishing Plants, Inc., upper bleachery well. About 0.2 mile southwest of Walker St., 0.2 mile southwest of Scott P ind. Water level influenced by pumping wells nearby. Screened in sand and gravel. Records available: 1946-50.

Lincoln 181--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	3.63	Mar. 6	3.58	Aug. 28	4.17	Nov. 1	4.90
9	3.42	13	3.42	Sept. 5	4.13	6	4.82
16	3.42	20	3.29	13	b4.33	13	4.80
23	3.52	27	2.83	19	b4.53	20	4.95
30	3.96	May 8	2.87	25	b4.95	28	4.40
Feb. 6	4.42	June 14	2.42	Oct. 2	b4.82	Dec. 5	4.33
13	4.26	July 26	3.25	11	4.90	12	4.06
20	4.00	Aug. 16	4.13	17	4.86	19	4.13
27	3.67	21	3.58	24	4.98	26	4.08

b Nearby well pumping.

Lincoln 337. Pawtucket Water Works. No. 2 observation well. About 1,000 feet west of Lincoln-Central Falls town line on property of Sayles Finishing Plants, Inc., and 0.75 mile south of Saylesville. Jetted unused well, diameter 2 inches, depth 31 feet. Records available: 1950.

Jan. 4	9.60	Mar. 6	11.57	Sept. 5	11.16	Nov. 6	11.99
9	10.30	13	11.57	13	b11.24	13	11.99
16	10.80	20	11.49	19	b11.28	20	12.07
23	11.72	May 8	10.95	25	b11.41	28	11.82
30	11.14	June 14	10.99	Oct. 2	b11.44	Dec. 5	11.53
Feb. 6	11.39	July 26	11.07	11	11.65	12	11.49
13	11.51	Aug. 16	11.16	17	11.57	19	11.32
20	11.59	21	11.24	24	11.74	26	11.32
27	11.55	28	11.24	Nov. 1	11.82		

b Nearby well pumping.

North Smithfield 21. James W. Shaw. Branch Village. About 350 feet northeast of Great Road, 0.75 mile northwest of intersection of Great and Pound Hill Roads. Water in sand and gravel. Records available: 1947-50.

Jan. 30	8.39	May 29	8.37	Aug. 30	10.24	Dec. 1	8.51
Mar. 27	5.86	June 29	9.13	Sept. 28	10.56	26	8.50
Apr. 27	7.19	Aug. 2	10.05	Oct. 21	10.89		

Providence 5. American Silk Spinning Co. 339 feet south of Admiral St., 111 feet southeast of Whipple St. Records available: 1944-50.

Jan. 30	8.86	Apr. 4	8.37	Aug. 2	8.72	Oct. 27	9.20
Feb. 27	8.53	May 29	8.53	30	9.00	Dec. 1	8.77
Mar. 27	8.28	June 29	8.70	Oct. 2	9.01	27	8.86

Providence 48. Gorham Manufacturing Co. On bank of Mashapaug Pond, 700 feet northwest of Adelaide Ave., 1,050 feet southwest of New York, New Haven & Hartford Railroad tracks. Water level influenced by pumping wells nearby. Screened in sand. 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	7.40	7.45	7.15	6.72	6.83	6.85	7.04	7.33	7.38	7.42	7.57	7.05
2	7.42	7.40	7.16	6.70	6.86	6.85	7.00	7.30	7.34	7.46	7.58	7.01
3	7.45	7.43	7.16	6.74	6.91	6.84	7.05	7.28	7.31	7.50	7.59	6.98
4	7.45	7.41	7.14	6.78	6.89	6.77	7.00	7.28	7.30	7.53	7.53	7.03
5	7.49	7.42	7.10	6.77	6.91	6.86	7.01	7.28	7.38	7.56	7.46	7.06
6	7.47	7.42	7.16	6.81	6.87	6.91	7.03	7.26	7.42	7.57	7.52	7.03
7	7.46	7.45	7.17	6.85	6.84	6.93	7.06	7.34	7.42	7.52	7.49	6.99
8	7.45	7.46	7.11	6.84	6.91	6.95	7.06	7.37	7.42	7.51	7.51	6.94
9	7.42	7.40	7.12	6.80	6.94	6.96	7.04	7.38	7.38	7.56	7.52	6.83
10	7.45	7.42	7.11	6.88	6.88	6.93	7.09	7.42	7.36	7.51	7.51	6.78
11	7.44	7.39	7.09	6.86	6.89	6.91	7.10	7.42	7.40	7.49	7.49	6.75
12	7.46	7.36	7.06	6.88	6.89	6.95	7.11	7.39	7.43	7.46	7.46	6.86
13	7.34	7.40	7.06	6.87	6.87	6.97	7.15	7.35	7.42	7.46	7.52	6.92
14	7.31	7.37	....	6.83	6.85	6.98	7.19	7.41	7.40	7.43	7.53	6.96
15	7.32	7.29	7.12	6.83	6.87	6.99	7.20	7.43	7.42	7.41	7.56	6.99

Providence 48--Continued.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	7.36	7.30	7.11	6.79	6.87	6.99	7.16	7.46	7.38	7.46	7.54	6.99
17	7.42	7.28	7.10	6.82	6.86	6.94	....	7.47	7.37	7.46	7.56	6.97
18	7.39	7.27	7.10	6.86	6.87	6.91	....	7.47	7.41	7.49	7.53	6.98
19	7.43	7.20	7.10	6.89	6.86	6.96	7.25	7.44	7.42	7.50	7.50	6.91
20	7.42	7.26	7.10	6.84	6.85	6.99	7.26	7.24	7.43	7.52	7.55	7.01
21	7.41	7.26	7.03	6.80	6.80	6.96	7.29	7.23	7.42	7.50	7.42	7.03
22	7.38	....	7.05	6.79	6.88	6.99	7.26	7.25	7.42	7.47	7.37	6.99
23	7.45	7.21	6.67	6.74	6.89	7.01	7.23	7.26	7.41	7.49	7.30	6.96
24	7.46	7.19	6.87	6.80	6.89	6.93	7.28	7.28	7.39	7.54	7.32	....
25	7.48	7.18	6.81	6.84	6.89	6.94	7.31	7.29	7.46	7.55	7.25	....
26	7.46	7.14	6.76	6.83	6.90	6.99	7.31	7.28	7.48	7.56	7.05	6.91
27	7.50	7.18	6.77	6.84	6.87	7.00	7.35	7.25	7.49	7.57	6.99	6.98
28	7.44	7.16	6.76	....	6.83	7.01	7.36	7.30	7.49	7.54	6.93	7.04
29	7.39	....	6.75	6.83	6.88	7.06	7.34	7.33	7.48	7.50	6.99	7.00
30	7.48	....	6.75	6.79	6.80	7.08	7.30	7.38	7.44	7.55	7.02	6.93
31	7.42	....	6.74	....	6.83	....	7.35	7.39	....	7.58	....	6.90

Providence 81. Nicholson File Co. well 2. About 120 feet west of Acorn St., 230 feet north of Tingley St. Used well, altimeter measurements made about 12 hours after pump shut off. Screened in sand and gravel. Records available: 1941, 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	20.0	May 7	20.0	July 30	22.5	Oct. 29	20.5
15	20.0	14	20.5	Aug. 6	21.0	Nov. 5	20.5
23	18.0	21	21.0	13	22.0	12	20.0
Feb. 19	16.5	30	20.0	20	22.0	19	20.0
Mar. 5	19.5	June 4	22.5	Sept. 3	21.0	26	19.5
12	19.5	11	24.0	17	20.5	Dec. 3	19.5
26	20.5	18	21.0	24	20.0	10	19.5
Apr. 2	19.5	25	22.5	Oct. 1	21.0	17	19.0
16	19.5	July 2	22.0	8	23.0	24	18.0
23	20.0	9	15.5	22	21.5	31	16.0
30	20.5	16	16.5				

Providence 82. Nicholson File Co. well 1. About 225 feet west of Acorn St., 360 feet north of Tingley St. Used well, altimeter measurements made about 12 hours after pump shut off. Screened in sand and gravel. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	15.0	May 7	15.0	July 30	17.5	Oct. 29	15.5
15	15.0	14	15.5	Aug. 6	16.0	Nov. 5	15.5
29	13.0	21	16.0	13	17.0	12	15.0
Feb. 19	11.5	30	15.0	20	17.0	19	15.0
Mar. 5	14.5	June 4	17.5	Sept. 3	16.0	26	14.5
12	14.5	11	19.0	17	15.5	Dec. 3	14.5
26	15.5	18	16.0	24	15.0	10	14.5
Apr. 2	14.5	25	17.5	Oct. 1	16.0	17	14.0
16	14.5	July 2	17.0	8	18.0	24	13.0
23	15.0	9	10.5	22	16.5	31	13.0
30	15.5	16	11.5				

Providence 94. Providence Gas Co. Sassafras Point plant. About 2,050 feet east of Allens Ave., 1,100 feet north of Terminal Road. Water level influenced by tides and pumping well nearby. Screened in sand. 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	....	19.15	18.16	19.59	19.33	19.40	18.84	18.38	18.94	18.32	16.02	17.47
2	19.01	19.23	18.41	19.80	....	19.50	18.30	18.34	18.80	18.31	15.96	....
3	19.02	19.54	18.96	19.69	19.35	19.90	18.02	18.33	18.65	18.20	15.85	....
4	19.08	19.59	19.30	....	19.36	19.13	17.95	18.37	18.44	18.14	15.64	....
5	19.33	19.63	19.09	19.75	19.32	19.06	17.91	18.31	18.51	17.60	15.87	....

Providence 94--Continued.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	19.48	19.13	19.65	19.13	19.30	17.77	18.17	17.90	17.86	15.66	17.76
7	.....	.....	19.35	19.33	19.49	19.47	17.81	18.16	18.05	17.90	18.20	17.82
8	.....	19.16	19.20	.....	19.46	19.40	17.86	18.14	17.67	18.04	18.31	17.90
9	.....	19.21	19.48	.....	19.30	19.88	17.90	18.21	17.54	18.07	18.43	17.94
10	19.14	19.11	19.55	.....	19.18	g13.60	19.15	18.40	17.65	17.80	18.75	17.57
11	19.76	18.97	19.17	.....	19.17	.....	17.83	18.38	17.60	18.00	18.69	17.67
12	19.51	19.30	12.21	19.29	19.15	.....	17.30	18.54	18.01	17.85	18.63	17.50
13	19.48	.....	18.81	19.20	19.35	.....	17.85	18.70	18.37	17.90	.....	17.53
14	19.47	.....	19.23	19.16	19.39	g12.73	17.95	18.74	18.26	18.15	.....	17.54
15	19.50	.....	19.26	19.38	19.41	g12.60	17.56	18.72	18.55	18.10	18.11	17.52
16	19.67	e18.69	19.13	19.54	19.40	g12.55	17.47	18.77	18.62	18.01	18.25	17.74
17	19.94	18.99	19.05	19.47	19.35	18.47	17.47	18.87	18.67	17.85	18.35	17.51
18	19.77	18.97	19.80	.....	19.53	18.80	18.07	18.60	18.40	16.92	18.42	17.58
19	19.62	.....	20.21	18.10	19.45	18.90	18.35	18.42	18.25	16.90	18.48	17.81
20	19.58	.....	20.12	18.86	19.15	18.28	18.37	18.88	18.05	16.96	18.09	17.87
21	19.19	.....	20.22	19.16	19.25	18.10	18.43	17.76	18.16	16.95	18.02	17.95
22	19.10	.....	20.00	19.33	19.04	.....	.....	17.93	18.03	16.90	18.45	18.07
23	19.23	18.21	19.55	18.97	19.25	.....	.....	18.25	18.15	16.74	18.26	18.15
24	19.07	18.59	19.54	19.09	19.24	.....	.....	18.90	18.37	16.67	18.22	18.05
25	18.92	18.67	19.41	.....	19.18	.....	.....	19.20	18.41	16.62	17.87	18.30
26	18.76	18.43	19.35	e18.72	19.33	.....	18.36	19.18	18.30	16.74	17.62	18.53
27	.....	18.53	19.21	18.51	19.32	.....	18.40	19.24	18.57	16.82	17.60	18.14
28	.....	18.39	19.32	18.90	19.35	18.75	18.50	19.23	18.52	16.70	17.35	18.08
29	.....	.....	19.50	19.33	19.41	19.08	18.52	19.14	18.53	16.65	17.43	18.07
30	19.07	.....	19.73	19.45	19.40	19.11	18.45	18.97	18.50	16.62	17.45	17.97
31	18.61	.....	19.71	.....	19.43	.....	18.42	18.93	.....	16.65	.....	17.64

e Tape measurement.

g Not pumping.

Providence 113. Providence Young Men's Christian Association. In boiler room, 153 feet northeast of Stewart St., 68 feet northwest of Conduit St. Taps bedrock. Records available: 1944-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	46.99	May 1	46.59	Aug. 2	46.82	Oct. 31	47.01
Mar. 1	46.80	29	46.55	30	46.96	Nov. 28	46.80
29	46.72	June 29	46.07	Oct. 2	46.02	Dec. 27	46.85

Providence 1051. U. S. Rubber Co. About 140 feet south of Valley St., 330 feet east of Eagle St. Water level influenced by pumping wells nearby. Open-ended pipe in sand and gravel. 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	11.95	11.86	11.32	11.97	10.40	11.83	14.00	10.62	14.35	13.10	13.37	12.80
2	10.58	12.07	11.67	11.71	11.25	12.55	12.40	11.28	14.36	11.16	13.88	12.80
3	9.91	12.21	11.95	9.53	11.86	12.71	10.00	11.75	13.77	11.97	14.10	12.48
4	11.07	12.21	11.95	10.54	12.30	12.70	9.12	12.10	12.13	12.74	14.09	11.41
5	11.94	11.62	11.41	11.26	12.61	11.50	8.40	12.10	10.80	13.09	13.68	11.80
6	12.55	10.70	9.92	11.81	12.62	12.60	7.90	11.80	11.10	13.47	12.96	12.16
7	12.75	11.40	10.92	12.14	12.04	13.50	6.46	11.18	11.50	13.47	12.66	12.70
8	12.64	12.08	11.60	12.15	9.64	.....	5.50	11.65	12.20	13.20	12.82	12.73
9	11.60	12.29	12.00	11.88	10.76	14.25	4.51	12.10	12.20	12.32	13.13	12.73
10	12.30	12.38	12.22	9.49	11.75	14.34	g3.74	12.41	11.60	13.90	13.33	12.21
11	12.68	12.38	12.30	10.55	12.32	14.20	4.41	12.61	10.09	13.42	13.33	10.59
12	13.14	11.77	11.71	11.35	12.68	12.71	4.75	12.72	10.13	13.46	12.16	11.16
13	13.25	10.10	10.27	11.92	12.68	14.27	5.57	12.50	10.42	13.08	10.97	11.63
14	13.30	11.18	11.19	12.21	12.40	13.83	6.16	11.45	11.02	13.32	11.69	12.18
15	12.72	11.73	12.00	12.21	10.39	13.99	7.21	10.57	10.70	13.21	12.28	12.33
16	10.70	12.17	12.67	11.77	11.28	14.31	7.27	11.77	10.79	12.30	12.73	12.43
17	11.47	12.31	12.78	9.83	12.22	14.32	6.50	12.36	10.75	13.01	13.12	12.38
18	12.10	12.32	12.38	10.72	12.77	14.01	7.98	12.80	11.11	13.27	13.29	10.92
19	12.64	11.73	11.76	11.41	13.36	12.75	9.76	12.84	11.99	13.40	13.15	10.99
20	12.84	10.22	10.30	11.89	13.45	12.40	10.14	11.60	12.90	13.51	11.94	11.68

Providence 1051--Continued.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	12.85	10.70	11.28	12.22	13.27	13.23	10.52	11.20	13.20	13.50	12.15	12.18
22	12.25	11.05	11.99	12.23	11.13	13.69	10.55	12.21	13.33	13.30	12.59	12.18
23	10.37	11.37	12.28	12.06	11.70	14.20	10.48	12.69	13.33	12.15	12.60	12.14
24	11.20	11.88	12.40	10.33	12.14	14.23	9.19	13.08	13.09	12.82	11.60	11.30
25	11.77	11.88	12.45	11.19	12.50	14.03	9.56	13.64	11.11	13.10	11.70	8.17
26	12.21	11.20	12.19	11.43	12.65	11.79	10.00	13.71	12.21	13.40	11.63	6.29
27	12.53	9.62	9.89	12.35	12.72	12.34	10.35	13.33	13.86	13.40	10.95	8.44
28	12.55	10.97	10.36	12.60	12.70	12.99	10.58	12.85	13.43	13.40	11.75	10.02
29	12.03		11.12	12.60	10.73	13.55	10.58	13.01	13.93	13.19	12.58	11.08
30	10.78		11.58	12.48	10.87	14.00	10.56	13.45	13.52	11.96	12.78	11.13
31	11.49		11.96		10.80		9.94	13.99		12.91		10.72

e Tape measurement.

g Not pumping.

Providence 1111. Brown University. Opposite corner of George and Magee St., Providence, in basement of Rhode Island Hall. Water in glacial till. Records available: 1946-50.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	13.42	9.63	9.52	11.17	.....	.....	14.36	.....	.....	.....	.....
2	.....	.....	9.68	.....	11.24	.....	.....	.....	.....	15.11	.....	.....
3	.....	12.99	9.80	9.62	11.26	.....	13.39	.....	.....	.....	.....	.....
4	16.26	12.77	9.96	.....	11.29	.....	.....	.....	.....	.....	.....	11.67
5	16.20	12.65	10.04	9.73	11.34	.....	.....	.....	14.40	.....	.....	.....
6	16.18	12.57	9.64	.....	11.38	.....	.....	.....	.....	.....	15.26	.....
7	.....	.....	10.27	.....	.....	12.06	.....	14.51	.....	.....	.....	.....
8	15.94	12.41	10.34	10.00	11.47	.....	.....	.....	.....	.....	.....	.....
9	15.77	12.34	10.38	10.21	11.57	.....	.....	.....	.....	15.39	.....	.....
10	15.63	12.24	10.45	10.27	11.61	.....	13.61	.....	.....	.....	.....	.....
11	15.50	12.08	10.53	.....	11.66	.....	.....	.....	14.55	.....	.....	10.40
12	15.39	.....	10.58	10.47	11.70	12.36	.....	.....	.....	.....	.....	.....
13	.....	11.84	10.64	10.60	.....	.....	.....	.....	.....	.....	15.28	.....
14	15.09	11.80	10.62	10.63	.....	.....	.....	14.71	.....	.....	.....	.....
15	.....	9.45	10.67	10.52	.....	.....	.....	.....	.....	.....	.....	.....
16	.....	9.21	10.72	.....	.....	12.62	.....	.....	.....	15.28	.....	.....
17	.....	9.24	10.79	10.61	.....	.....	13.81	.....	.....	.....	.....	.....
18	.....	9.27	10.81	10.67	.....	.....	.....	.....	.....	.....	.....	10.68
19	.....	9.30	.....	10.74	.....	12.78	.....	.....	14.70	.....	.....	.....
20	14.32	9.32	.....	10.81	.....	.....	.....	.....	.....	.....	15.18	.....
21	14.26	9.33	.....	10.77	.....	.....	.....	.....	.....	.....	.....	.....
22	14.19	9.33	.....	.....	.....	.....	.....	13.99	.....	.....	.....	.....
23	.....	9.33	10.38	.....	.....	.....	.....	.....	.....	15.22	.....	.....
24	.....	9.44	9.74	10.75	.....	.....	14.03	.....	.....	.....	.....	.....
25	.....	9.33	9.48	10.84	.....	.....	.....	.....	14.45	.....	.....	.....
26	.....	9.39	.....	.....	.....	13.12	.....	.....	.....	.....	13.30	.....
27	13.78	9.47	9.49	10.94	.....	.....	.....	.....	.....	.....	12.57	.....
28	13.73	9.60	9.32	10.99	.....	.....	.....	14.17	.....	.....	13.28	.....
29	13.64	.....	9.33	.....	12.52	.....	.....	.....	.....	.....	11.88	11.74
30	13.59	.....	9.35	11.25	.....	.....	.....	.....	.....	.....	.....	11.39
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	15.23	.....	.....

Smithfield 66. E. Sheffield. About 2 feet east of Tarklin Road, 400 feet south of intersection of Tarklin and Mapleville Roads, 2 miles north of West Greenville. Water in overburden. Records available: 1947-50. Aug. 1, 13.10; Aug. 30, 13.77; Sept. 28, 14.03; Oct. 27, 14.10; Dec. 1, 8.80; Dec. 26, 9.44.

Smithfield 116. Semaco Macaroni Co. About 350 feet south of Stillwater Road, 1,300 feet northeast of intersection of Stillwater Road and Farnum Pike. Water in bedrock. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	7.99	Apr. 27	7.46	Aug. 1	8.52	Oct. 27	8.21
Feb. 27	7.82	May 29	8.09	30	8.04	Dec. 1	7.67
Mar. 27	7.12	June 29	8.23	Sept. 28	8.18	26	7.99

Smithfield 213. Northwestern Water Co. well 1. About 240 feet east of Slack Reservoir, 0.1 mile north of Smithfield-Johnston town line, 0.55 mile south of Greenville. Water level influenced by pumping well nearby. Water in sand and gravel. Records available: 1945, 1949-50.

Jan. 30	15.58	Apr. 27	12.32	Aug. 1	12.88	Oct. 27	13.53
Feb. 27	14.56	May 29	12.03	30	12.93	Dec. 1	12.90
Mar. 27	13.18	June 29	12.16	Sept. 9	13.41		

Smithfield 217. Northwestern Water Co. well 5. About 200 feet east of Slack Reservoir, 0.1 mile north of Smithfield-Johnston town line and 0.55 mile south of Greenville. Drilled unused test well, diameter 6 inches, depth 57 feet below land surface. Water level influenced by nearby pumping well. Taps sand and gravel. Records available: 1945, 1949-50.

Nov. 8, 1945	20.59	Jan. 30, 1950	23.06	May 29, 1950	18.87	Sept. 29, 1950	20.49
Apr. 22, 1949	19.04	Feb. 27	21.70	June 29	19.07	Oct. 27	20.73
Oct. 28	21.05	Mar. 27	20.22	Aug. 1	19.90	Dec. 1	20.25
Nov. 29	24.29	Apr. 27	19.21	30	19.96	26	18.99
Dec. 29	23.77						

Washington County

Charlestown 18. U. S. Naval Auxiliary Air Station test well 2. About 0.5 mile south of U. S. Highway 1, 1,000 feet south of water towers. Water in clay. Records available: 1946-50.

Feb. 1	20.76	May 1	17.92	Aug. 2	19.37	Oct. 25	20.91
27	18.50	31	18.31	31	20.01	Nov. 30	20.39
Mar. 1	18.40	June 30	18.41	Sept. 29	20.59	Dec. 27	19.82
29	18.15						

Exeter 6. Wood River Picnic Area. About 70 feet west of Wood River, 275 feet south of Ten Rod Road, 0.65 mile west of West Exeter Church. Water level probably influenced by nearby Wood River. Water in sand and gravel. Records available: 1946, 1948-50.

Feb. 1	6.57	May 1	5.50	Aug. 2	6.92	Oct. 25	7.36
Mar. 1	6.12	31	5.36	31	7.08	Nov. 30	6.25
29	5.20	June 30	6.21	Sept. 29	7.39	Dec. 26	6.67

Exeter 16. State Department of Social Welfare, Exeter School. About 150 feet south of boiler house. Water level influenced by pumping wells nearby. Screened in sand and gravel. Records available: 1946-50.

Jan. 4	14.11	Apr. 5	10.74	July 12	11.07	Oct. 4	13.74
11	14.10	12	10.45	19	11.23	11	13.32
18	14.04	19	10.18	26	11.40	18	14.00
25	13.88	26	9.99	Aug. 2	11.63	25	13.79
Feb. 1	13.79	May 3	9.20	9	12.92	Nov. 1	13.88
8	13.59	10	10.10	16	12.63	8	13.88
15	13.29	17	10.12	23	12.98	15	13.97
22	13.54	24	10.24	30	13.26	22	13.78
Mar. 1	12.13	31	10.30	Sept. 6	13.53	29	13.30
8	12.18	June 7	10.19	13	13.48	Dec. 6	13.26
15	12.17	14	10.28	21	13.34	13	13.02
22	11.62	21	10.42	27	13.55	20	12.90
29	11.12	July 5	10.84				

North Kingstown 26. North Kingstown Water Commission pumping station. About 140 feet south of Oak Hill Road, 1.2 miles west of Post Road, 2 miles southwest of Wickford. Used well, measurements made about 10 hours after pump shut off. Screened in sand and gravel. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	11.32	Apr. 5	10.92	July 12	11.73	Oct. 11	11.20
11	11.12	12	11.06	20	11.81	18	11.34
18	11.23	20	11.02	27	11.86	25	11.36
25	11.16	27	11.02	Aug. 2	11.94	Nov. 1	11.40
Feb. 1	11.08	May 10	11.13	10	11.67	9	11.07
8	11.24	17	11.18	17	11.88	15	11.28
16	10.56	24	11.32	24	11.60	24	10.76
24	11.72	June 1	10.98	Sept. 1	11.60	Dec. 4	10.41
Mar. 1	10.20	7	11.13	7	11.68	7	10.80
7	11.08	15	11.50	14	11.47	13	10.99
15	11.07	21	11.46	20	11.49	20	10.69
22	11.00	28	11.65	27	11.49	27	11.05
29	10.76	July 6	11.83	Oct. 6	11.58		

a Pumping.

North Kingstown 27. North Kingstown Water Commission observation well 1. About 60 feet south of Oak Hill Road, 1.2 miles west of Post Road and 2 miles southwest of Wickford. Driven unused well, diameter $2\frac{1}{2}$ inches, depth 15 feet below land surface. Water level influenced by nearby pumping well. Open-end pipe in sand and gravel. Records available: 1947-50.

Mar. 1947	5.40	Sept. 15, 1949	6.53	Feb. 24, 1950	6.82	Aug. 2, 1950	6.80
Mar. b6.10	22	6.50	Mar. 1	5.73	10	6.54	
Apr. 5.00	29	6.17	7	5.90	17	6.75	
Apr. b5.60	Oct. 6	6.23	15	5.79	24	6.41	
Dec. 6, 1948	b6.00	20	6.32	22	5.83	Sept. 1	6.49
29	5.93	28	6.15	29	5.44	7	6.57
Jan. 28, 1949	5.73	Nov. 1	b6.32	Apr. 5	5.64	14	6.34
Mar. 3	5.84	10	6.14	12	5.86	20	6.34
31	b5.90	16	6.19	20	5.82	27	6.35
Apr. 29	6.10	23	6.23	27	5.81	Oct. 6	6.44
June 1	6.20	30	5.88	May 10	6.11	11	6.19
8	6.35	Dec. 7	5.65	17	6.10	18	6.16
15	4.98	14	5.98	24	6.16	25	6.05
23	6.98	21	5.97	June 1	5.88	Nov. 1	6.26
July 1	6.95	28	5.66	7	5.99	9	5.88
6	7.40	Jan. 4, 1950	6.12	15	6.36	15	6.13
13	6.94	11	5.20	21	6.30	24	5.57
20	6.38	18	6.05	28	6.57	Dec. 4	5.23
27	6.74	25	5.92	July 6	6.77	7	5.69
Aug. 3	6.90	Feb. 1	5.86	12	6.69	13	5.53
16	6.83	8	5.40	20	6.72	20	5.85
25	7.00	16	5.50	27	6.81	27	5.88
31	6.69						

b Nearby well discharging.

North Kingstown 28. North Kingstown Water Commission observation well 2. About 40 feet south of Oak Hill Road, 1.2 miles west of Post Road and 2 miles southwest of Wickford. Driven unused well, diameter $2\frac{1}{2}$ inches, depth 15 feet below land surface. Water level influenced by nearby pumping well. Open end pipe in sand and gravel. Records available: 1947, 1949-50.

Mar. 1947	7.8	June 23, 1949	8.10	Oct. 6, 1949	7.58	Jan. 18, 1950	7.31
Mar. b7.9	July 1	8.11	20	7.58	25	7.25	
Apr. 6.5	6	8.49	28	7.40	Feb. 1	7.19	
Apr. b7.5	13	8.04	Nov. 10	7.42	8	7.25	
Dec. 6	b7.90	20	7.60	16	7.49	16	6.66
29	7.87	27	7.90	23	7.54	24	b7.65
Jan. 28, 1949	7.55	Aug. 3	8.05	30	7.36	Mar. 1	7.05
Mar. 3	7.70	16	8.02	Dec. 7	7.43	7	7.23
31	b7.77	25	8.11	14	7.06	15	7.20
Apr. 29	8.98	31	7.89	21	7.30	22	7.15
June 1	8.59	Sept. 15	7.80	28	7.13	29	6.94
8	7.57	22	7.75	Jan. 4, 1950	7.41	Apr. 5	7.01
15	6.63	29	7.35	11	7.30	12	7.21

North Kingstown 28--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 20, 1950	7.17	June 28, 1950	7.76	Sept. 1, 1950	7.67	Nov. 1, 1950	7.48
27	7.16	July 6	7.93	7	7.72	9	7.17
May 10	7.46	12	7.67	14	7.54	15	7.35
17	7.33	20	7.86	20	7.55	24	6.86
24	7.46	27	7.91	27	7.56	Dec. 4	6.53
June 1	7.11	Aug. 2	7.88	Oct. 6	7.65	7	6.95
7	7.26	10	7.74	11	7.22	13	6.85
15	7.59	17	7.90	18	7.41	20	7.13
21	7.58	24	7.63	25	7.15	27	7.18

b Nearby well discharging.

North Kingstown 29. North Kingstown Water Commission observation well 3. About 90 feet south of Oak Hill Road. 1.2 miles west of Post Road and 2 miles southwest of Wickford. Driven unused well, diameter $2\frac{1}{2}$ inches, depth 13 feet. Water level influenced by nearby pumping well. Open-end pipe in sand and gravel. Records available: 1947-50.

Mar. 1947	7.20	Sept. 15, 1949	7.78	Feb. 24, 1950	b8.12	Aug. 2, 1950	8.38
Mar.	b9.31	22	7.74	Mar. 1	7.18	10	8.05
Apr.	6.80	29	7.37	7	7.28	17	8.19
Apr.	b8.30	Oct. 6	7.50	15	7.29	24	7.81
Dec. 6, 1948	b8.39	20	7.56	22	7.26	Sept. 1	7.82
29	7.86	28	6.60	29	6.82	7	7.83
Jan. 28, 1949	7.49	Nov. 1	9.37	Apr. 5	7.24	14	7.63
Mar. 3	8.36	10	7.38	12	7.26	20	7.62
31	b8.10	16	6.90	20	7.25	27	7.63
Apr. 29	8.64	23	7.54	27	7.26	Oct. 6	7.74
June 1	8.93	30	6.80	May 10	7.67	11	7.39
8	7.64	Dec. 7	7.16	17	7.45	18	7.42
15	6.53	14	7.02	24	7.66	25	7.44
23	8.13	21	7.23	June 1	7.28	Nov. 1	7.52
July 1	8.16	28	7.07	7	7.41	9	7.16
6	8.53	Jan. 4, 1950	6.80	15	7.80	15	7.39
13	8.20	11	7.29	21	7.74	24	6.85
20	7.62	18	7.22	28	7.92	Dec. 4	6.50
27	7.96	25	7.23	July 6	8.10	7	7.45
Aug. 3	8.14	Feb. 1	7.19	12	7.98	13	6.77
16	8.08	8	7.27	20	8.10	20	7.09
25	8.19	16	6.70	27	8.14	27	7.26
31	7.92						

b Nearby well discharging.

South Kingstown 10. Village of Kingston. At intersection of South and Kingston Roads. Water in glacial till. Records available: 1947-50.

Feb. 1	10.80	May 1	3.82	Aug. 2	8.99	Oct. 25	12.64
Mar. 1	5.71	31	4.06	31	10.31	Nov. 29	11.74
29	3.20	June 30	6.68	Sept. 29	11.67	Dec. 27	9.34

South Kingstown 83. Wakefield Water Co. test well 81. 4 feet north of pumping station 2, about 1,240 feet northwest of Tuckertown Road. Water level influenced by pumping wells nearby. Open-end pipe in sand and gravel. Records available: 1944, 1948-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.48	11.72	.....	1.18	9.77	.....	11.34	13.44	13.12	g3.74	g4.00	g3.18
2	12.54	12.70	.....	10.72	9.82	.....	11.39	13.42	13.04	g3.75	g3.95	g3.20
3	12.54	12.01	.....	9.87	9.77	.....	11.39	13.46	13.13	11.57	g3.97	g3.23
4	12.58	11.84	.....	9.76	9.79	.....	11.13	13.17	13.72	.....	g3.95	g3.24
5	12.50	11.95	.....	9.72	9.77	.....	11.67	13.15	12.51	11.99	g3.92	g3.22
6	12.50	11.89	.....	9.73	9.73	.....	11.57	13.05	12.72	g3.90	g3.80	g3.26
7	12.47	11.73	.....	6.87	9.31	10.32	11.68	13.17	13.83	g3.81	g3.72	g3.27
8	12.41	11.76	.....	9.70	9.81	10.40	11.64	12.85	13.96	11.66	12.40	g3.27
9	.....	11.75	.....	6.79	10.01	10.50	11.77	12.57	14.06	g4.12	g4.09	g3.11
10	.....	11.57	.....	9.52	g1.17	10.69	11.89	13.12	13.80	g3.89	12.45	g3.13

South Kingstown 83--Continued.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	12.41	11.49	.....	9.77	9.25	10.62	11.90	13.13	5.46	g3.77	12.51	g3.11
12	12.52	11.47	.....	9.52	9.79	10.62	11.89	13.34	12.23	g3.75	12.57	g3.14
13	12.37	12.56	.....	9.37	9.88	10.83	11.80	13.27	12.05	.....	.....	g3.15
14	12.42	11.48	10.47	9.57	9.90	10.57	11.56	13.49	4.24	.....	.....	g3.16
15	12.30	11.12	9.69	9.78	10.07	10.67	11.89	13.36	12.51	.....	.....	g3.17
16	12.38	10.91	10.29	9.97	9.96	10.75	11.90	13.27	12.12	g3.77	g3.87	g3.17
17	12.44	10.97	10.29	10.12	.....	10.71	11.97	13.56	12.78	g3.81	g3.87	g3.17
18	12.12	10.97	10.26	10.18	.....	10.80	11.07	13.52	g4.68	g3.82	g3.87	g3.17
19	12.09	10.86	10.34	10.30	.....	10.59	12.01	13.56	g3.98	g3.80	g3.87	g3.19
20	12.19	10.96	10.32	10.30	.....	10.79	11.59	13.42	g3.85	g3.80	g3.87	g3.19
21	12.27	.....	g1.68	10.06	.....	10.60	12.12	13.31	11.47	g3.81	g3.84	g3.17
22	12.06	.....	g1.49	10.25	.....	10.72	12.32	13.37	g3.95	g3.82	g3.65	g3.17
23	12.23	10.87	g1.37	10.31	.....	10.97	12.60	13.49	g3.75	g3.83	g3.52	g3.21
24	12.23	11.47	g1.09	10.18	.....	11.08	12.56	13.57	g3.74	g3.83	g3.62	g3.23
25	12.30	10.97	g1.16	10.28	.....	10.99	12.63	.....	g3.75	g3.84	g3.58	g3.27
26	12.13	10.82	g1.17	10.25	8.42	11.13	12.62	.....	g3.75	g3.86	g3.22	g3.29
27	12.07	.....	g1.17	10.27	8.35	11.01	12.95	.....	g3.74	g3.87	g3.03	g3.32
28	12.10	.....	g1.15	10.13	8.49	11.17	12.87	.....	g3.74	g3.87	g3.03	g3.32
29	11.80	.....	g1.10	9.93	8.31	11.21	12.88	.....	g3.71	g3.87	g3.05	g3.29
30	11.87	.....	g1.12	9.84	8.45	11.47	13.15	13.46	g3.71	12.56	g3.13	g3.11
31	11.79	.....	g1.17	.....	.....	.....	13.30	13.16	.....	g4.34	.....	g3.11

g Not pumping.

VERMONT

By Marvin A. Pistrang

Scope of Water-Level Program

Measurements were made weekly in one observation well in the town of Middlesex, Washington County, near Wrightsville, about 3 miles north of Montpelier.

Interpretation of Water-Level Fluctuations

Mild weather in January resulted in a steady rise of the water table in the observation well at Montpelier. The seasonal decline of ground-water level followed, with minor interruptions, until the latter part of March, when melting snow caused substantial ground-water recharge. In April the water table began to drop, reflecting vegetal demands. This decline continued with only minor interruptions throughout the summer. In November, before the onset of freezing temperatures but after the close of the growing season, heavy precipitation raised the water table to a stage well above average for this time of year. Precipitation in December, largely in the form of snow, was unavailable for ground-water recharge and water levels dropped.

The precipitation, as measured at nearby Northfield, totaled 31.64 inches in 1950, which was 2.20 inches below normal. The total for 1949 was 29.87 inches. The net change in water level in this well during 1950 was +2.82 feet through December 26.

Well Descriptions and Water-Level Measurements

Washington County

Montpelier 1. Burton Peterson. About 0.7 mile west of North Branch of Winooski River. Penetrates sandy glacial till. Lowest, dry, Sept. 1, 1944; Oct. 30, 1947; Sept. 26-Oct. 17, 1948; July 11-Dec. 12, 1949. Highest water level 4.72, May 2, 1945. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	8.20	Apr. 10	5.49	July 10	8.22	Oct. 9	8.82
16	7.47	17	5.97	18	8.72	16	8.15
23	7.43	24	5.97	24	9.17	23	7.96
30	7.10	May 1	6.78	30	9.62	30	7.86
Feb. 6	7.00	8	6.87	Aug. 7	8.91	Nov. 6	7.56
13	7.52	15	7.39	14	9.47	13	7.55
20	7.61	22	7.10	22	9.99	20	7.50
27	7.78	29	7.86	28	10.30	27	6.36
Mar. 6	7.91	June 5	7.39	Sept. 5	9.79	Dec. 5	5.00
13	7.40	12	8.24	11	9.62	11	5.61
20	7.78	19	8.29	18	8.70	18	6.17
27	7.10	26	8.66	25	8.77	26	6.75
Apr. 3	5.87	July 3	8.50	Oct. 2	8.73		