

Ground-Water Levels in the United States 1958-62

Northeastern States

Prepared under the direction of O. MILTON HACKETT, Chief, Ground Water Branch

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1782

*Prepared in cooperation with the States
of Connecticut, Delaware, Indiana,
Maine, Massachusetts, Michigan, New
Hampshire, New Jersey, New York,
Ohio, Pennsylvania, and Rhode Island,
and with other agencies*



UNITED STATES DEPARTMENT OF THE INTERIOR

STEWART L. UDALL, *Secretary*

GEOLOGICAL SURVEY

Thomas B. Nolan, *Director*

PREFACE

This report was prepared by the Geological Survey in cooperation with the States of Connecticut, Delaware, Indiana, Maine, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, and Rhode Island, and with other agencies, by personnel of the Water Resources Division under the direction of:

Luna B. Leopold Chief Hydrologist
O. Milton Hackett Chief, Ground Water Branch
J. A. Baker Geologist-in-Charge (Ground Water), Middletown Conn.
D. H. Boggess Engineer (Ground Water), Newark, Del.
C. M. Roberts District Geologist (Ground Water), Indianapolis, Ind.
R. G. Petersen District Geologist (Ground Water), Boston, Mass.
G. E. Hendrickson District Geologist (Ground Water), Lansing, Mich.
J. M. Weigle Geologist (Ground Water), Concord, N. H.
Allen Sinnott District Geologist (Ground Water), Trenton, N. J.
R. C. Heath District Geologist (Ground Water), Albany, N. Y.
S. E. Norris District Geologist (Ground Water), Columbus, Ohio
J. E. Barclay District Geologist (Ground Water), Harrisburg, Pa.

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GROUND-WATER LEVELS IN

THE UNITED STATES

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INTRODUCTION

By O. M. Hackett

Publication of records of water levels in the United States in the annual series of water-supply papers was begun by the Geological Survey in 1935. From 1935 through 1939, 5 volumes were issued as Water-Supply Papers 777, 817, 840, 845, and 886. From 1940 through 1955, 6 volumes, each for a separate section of the United States as shown in figure 1, were published annually. The following table gives the numbers of water-supply papers by year and section.

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1266	1267	1268	1269	1270
1954	1321	1322	1323	1324	1325	1326
1955	1404	1405	1406	1407	1408	1409
1956	....	....	1456	....	....	....
1956-57	1537	....	....	....	....	....
1956-58	....	1538	....	....	....	....
1956-59	....	....	....	1549	....	....
1956-60	....	....	....	....	1760	....
1956-60	....	....	....	....	....	1770
1957-61	....	....	1781	....	....	....
1958-62	1782	....	....	....	....	....

The program begun in 1956 provides for the publication of 5 years of record in 1 volume for each geographic section. During a 4-year transitional period, however, 4 of the volumes will not contain 5 years of record, as shown in the following schedule:

North-central:	1956, 1957-61, 1962-66, etc.
Northeastern:	1956-57, 1958-62, 1963-67, etc.
Southeastern:	1956-58, 1959-63, 1964-68, etc.
South-central:	1956-59, 1960-64, 1965-69, etc.
Northwestern:	1956-60, 1961-65, 1966-70, etc.
Southwestern:	1956-60, 1961-65, 1966-70, etc.

Moreover, beginning in 1956, only water-level data from a basic network of observation wells will be published. The minimum basic network provides observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers. In some States the basic network forms the skeletal index of a more comprehensive observation-well program. Publications that contain substantial additional water-level data are listed at the end of each State report in this volume.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a precise datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. A plus sign (+) is placed before a measurement if the level is above the plane of reference. Measurements of water levels in wells equipped with recording gages are given for every fifth day and the end of each month (eom).

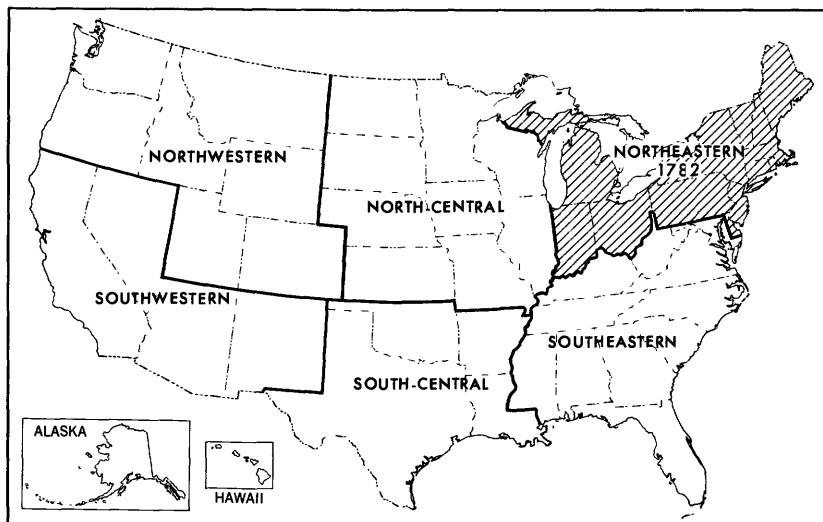


Figure 1. --Outline map of the United States showing States included in this volume.

In the collection of water-level data to serve the objectives of the observation-well program, the problem generally is to measure changes in water level accurately, rather than to determine the absolute position of the water surface. Because the measurements are made in many types of wells, under varying conditions of access and at different temperatures, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the best possible combination of measuring technique and equipment is selected, and so long as it is not changed, the measurements at each well will be consistent.

Water levels are reported to as many significant figures as can be justified by the local conditions, and the end use of the information. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, in view of the principal use to which the data are put, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Measurements were made under the direction of the district supervisors of the Ground Water Branch in the several States.

Joy L. Charbonneau was responsible for the compilation and typing of this report.

CONNECTICUT

By I. G. Grossman

The observation-well program in Connecticut was continued during the period 1958 through 1962 in cooperation with the State Water Resources Commission. Figure 2 shows the location of wells included in this report.

Well-Numbering System

Wells are identified by abbreviations of town names and serial numbers assigned within each town.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, except for wells N131 and N183 where they are above and below mean sea level. A minus sign before the measurement indicates that it is below mean sea level, and a plus sign before the measurement indicates that it is above mean sea level.

Hartford County

EG 35. Town of East Granby. Holcomb St. and State Route 9, East Granby. Lat 41°55'35", long 72°44'05". Drilled unused artesian (previously reported water-table) well in arkose of Triassic age, diam 6 in, reported depth 125 ft, cased to 60. Lsd about 200 ft above msl. MP top of casing, 4.90 ft below lsd. Highest water level 25.83 below lsd, Apr. 29, 1961; lowest 37.50 below lsd, Sept. 30, 1957. Records available: 1955-61. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1958	31.98	Dec. 31, 1958	30.51	Jan. 2, 1960	29.80	Dec. 30, 1960	29.08
Feb. 1	30.82	Jan. 31, 1959	31.32	Feb. 1	29.86	Jan. 31, 1961	29.70
Mar. 3	31.06	Feb. 27	32.58	Mar. 2	28.39	Mar. 1	28.07
Apr. 1	29.30	Mar. 31	32.02	Apr. 1	28.75	30	26.44
May 1	28.22	May 2	30.00	29	27.98	Apr. 29	25.83
31	29.15	June 1	33.99	May 31	29.61	May 31	27.36
June 30	31.68	30	32.61	June 30	30.66	June 30	29.24
July 31	32.05	Aug. 3	34.90	Aug. 1	30.97	July 31	31.98
Aug. 28	33.22	Sept. 1	34.53	Sept. 3	30.74	Aug. 31	32.85
Sept. 30	32.89	30	35.84	30	28.39	Sept. 29	33.39
Nov. 1	31.27	Oct. 31	34.13	Oct. 29	29.15	Oct. 31	33.76
30	30.65	Dec. 2	31.60	Nov. 30	28.53		

M 84. George Bryan. 179 Tolland Turnpike, Manchester. Lat 41°48'45", long 72°30'45". Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 32 in, depth 16 ft, lined with brick. Lsd about 180 ft above msl. MP top of curbing, at lsd. Highest water level 9.65 below lsd, Aug. 22, 1955; lowest 15.20 below lsd, Oct. 27, 1949. Records available: 1934-35, 1948-62.

Jan. 31, 1958	10.06	Dec. 30, 1958	13.99	Dec. 1, 1959	11.98	Oct. 27, 1960	14.30
Mar. 1	13.53	Jan. 30, 1959	14.20	30	13.15	Nov. 30	14.08
29	12.17	Feb. 27	14.34	Jan. 29, 1960	13.82	Dec. 30	13.53
Apr. 30	12.73	Mar. 28	13.23	Mar. 1	11.50	Feb. 1, 1961	14.18
May 30	13.24	Apr. 29	13.26	Apr. 1	12.98	28	10.34
June 28	14.22	May 29	14.19	29	13.17	Mar. 30	12.40
Aug. 2	14.47	June 30	14.45	June 1	14.25	Apr. 28	12.69
29	14.51	July 31	14.38	30	14.55	June 1	14.55
Sept. 27	14.04	Sept. 1	14.71	Aug. 2	14.47	30	14.30
Oct. 31	13.95	30	14.86	31	14.53	Aug. 2	14.64
Nov. 30	13.88	Oct. 30	14.13	Sept. 27	13.14	31	14.65

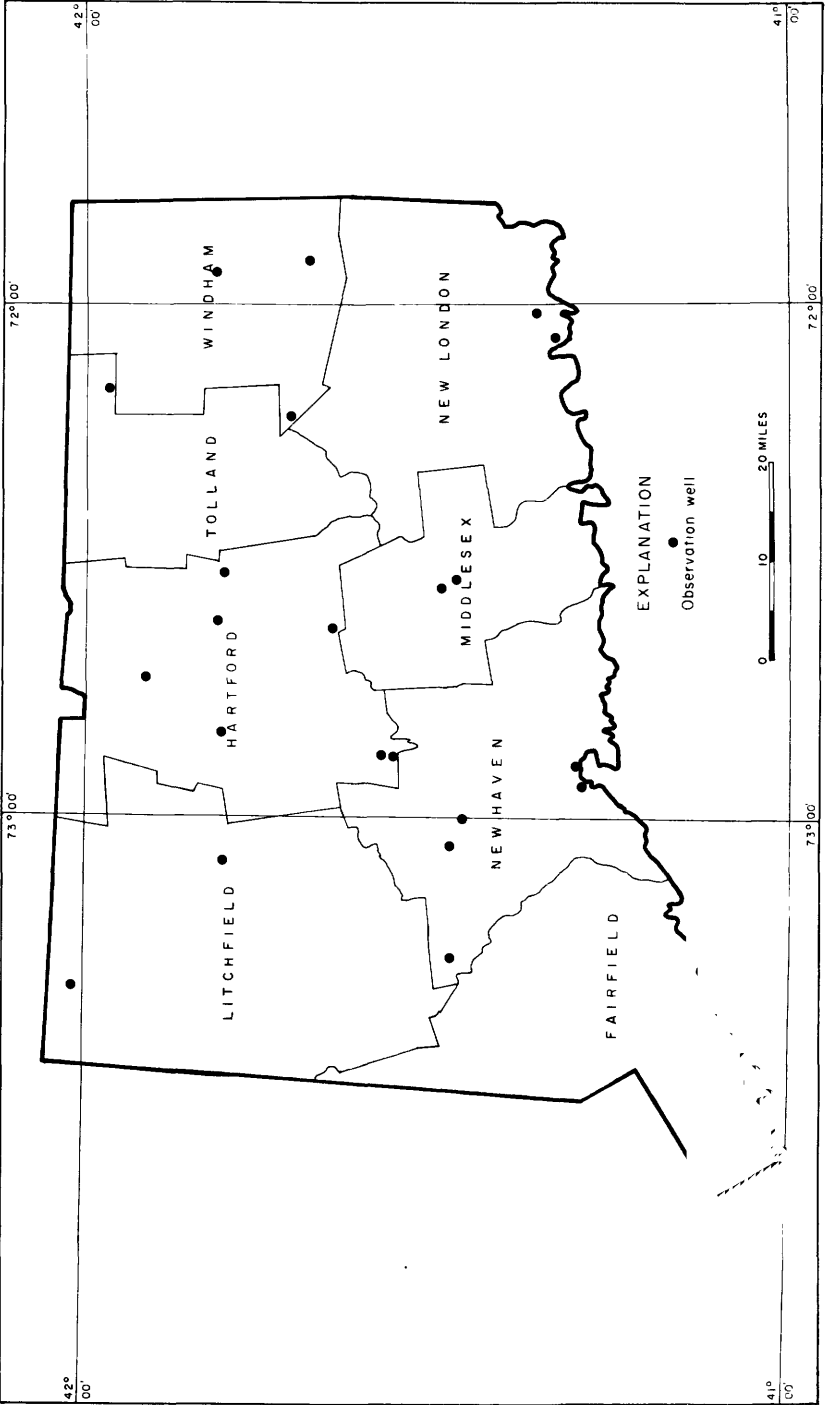


Figure 2. --Location of observation wells in Connecticut, 1958-62.

M 84--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 29, 1961	14.62	Jan. 28, 1962	13.46	May 27, 1962	14.54	Sept. 28, 1962	14.97
Oct. 28	14.74	Feb. 25	14.45	June 29	14.73	Oct. 29	14.72
Dec. 2	14.70	Apr. 1	13.42	July 27	14.91	Nov. 28	14.19
28	14.45	28	13.86	Aug. 29	14.89	Dec. 28	14.34

RH 44. Charles Yeager. 1 Pratt St., Rocky Hill. Lat 41°39'40", long 72°38'20". Drilled unused artesian (previously reported water-table) well in sedimentary rocks of Triassic age, diam 6 in, depth 125 ft, cased to 110. Lsd about 120 ft above msl. MP top of casing, 0.60 ft above lsd. Highest water level 44.24 below lsd, Apr. 29, 1961; lowest 50.04 below lsd, Nov. 1, 1957. Records available: 1954-62.

Feb. 1, 1958	46.56	June 1, 1959	46.65	Sept. 3, 1960	46.60	Dec. 2, 1961	46.66
Mar. 3	46.52	30	46.75	30	45.88	28	46.41
Apr. 1	45.80	Aug. 3	47.20	Oct. 29	45.95	Jan. 28, 1962	46.20
May 1	45.34	Sept. 1	47.58	Nov. 30	45.77	Feb. 25	46.60
31	45.48	29	47.95	Dec. 30	45.72	Apr. 1	45.88
July 31	46.40	Oct. 31	47.37	Jan. 31, 1961	45.92	28	45.79
Aug. 28	46.69	Dec. 1	46.21	Mar. 1	45.73	May 27	46.34
Sept. 30	46.94	Jan. 2, 1960	45.87	30	44.98	June 29	46.98
Nov. 1	46.44	Feb. 1	45.50	Apr. 29	44.24	July 27	47.20
30	46.03	Mar. 2	45.05	May 31	44.80	Aug. 27	48.16
Dec. 31	46.28	Apr. 1	45.26	June 30	45.18	Sept. 28	48.51
Jan. 31, 1959	46.70	29	45.03	July 31	45.88	Oct. 29	48.56
Feb. 28	46.97	May 31	44.77	Aug. 31	46.16	Nov. 28	48.20
Mar. 31	46.56	June 30	45.53	Sept. 29	46.48	Dec. 28	47.78
May 2	46.23	Aug. 1	46.20	Oct. 31	46.27		

S 16. Mrs. Stephan Suchar. West Center St. Extension, Southington. Lat 41°35'30", long 72°53'20". Drilled domestic artesian (previously reported water-table) well in New Haven Arkose of Late Triassic age, diam 6 in, depth 98 ft (previously reported 95 ft). Lsd about 210 ft above msl. MP top of concrete tile enclosing well, 2.00 ft above lsd. Highest water level 2.34 below lsd, Feb. 27, 1961; lowest 15.79 below lsd, Sept. 26, 1962. Records available: 1956-62. Fluctuation affected by pumping.

Jan. 7, 1958	6.20	Apr. 3, 1959	2.57	Aug. 30, 1960	9.69	Oct. 27, 1961	12.54
Feb 12	5.29	May 5	5.67	Sept. 27	8.04	Jan. 3, 1962	8.57
Mar. 6	3.00	June 3	6.62	Nov. 2	7.20	27	7.30
31	3.43	July 6	8.73	28	6.40	Feb. 24	8.60
May 2	3.77	28	8.78	Jan. 5, 1961	5.57	Mar. 31	9.58
June 6	6.04	Oct. 2	10.17	Feb. 3	6.78	Apr. 26	6.14
July 3	7.77	Nov. 3	6.48	27	2.34	May 26	8.39
Aug. 9	8.52	Dec. 3	5.85	Mar. 28	3.94	June 28	9.50
Sept. 4	10.15	Feb. 3, 1960	5.95	Apr. 26	3.56	July 30	11.02
Oct. 8	7.88	29	4.00	May 29	5.44	Aug. 29	12.44
Nov. 5	5.93	Mar. 30	4.82	June 28	7.77	Sept. 26	15.79
25	7.01	May 4	7.72	Aug. 4	9.46	Oct. 30	12.19
Jan. 7, 1959	8.90	June 2	6.87	Sept. 2	12.89	Nov. 27	9.20
Feb. 4	7.19	29	8.15	27	10.77	Dec. 26	8.44

S 96. Robert Brayfield. South End Rd., Southington. Lat 41°34'45", long 72°52'30". Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 11 ft, cased with field stones. Lsd about 120 ft above msl. MP top of concrete curbing, 0.20 ft above lsd (since May 29, 1961). Highest water level 4.03 below lsd, Apr. 3, 1959; lowest 9.16 below lsd, July 30, 1962. Records available: 1956-62.

Jan. 7, 1958	5.66	Apr. 3, 1959	4.03	Aug. 30, 1960	7.23	Jan. 3, 1962	7.76
Feb. 12	5.61	May 5	6.24	Sept. 27	7.33	27	7.96
Mar. 6	4.74	June 3	6.21	Nov. 2	6.12	Feb. 24	8.25
31	5.11	July 6	8.00	28	7.44	Mar. 31	6.66
May 2	5.12	28	7.68	Jan. 5, 1961	7.45	Apr. 26	7.59
June 6	6.85	Oct. 2	8.86	Feb. 27	4.18	May 26	9.09
July 3	8.10	Nov. 3	6.48	Mar. 28	5.22	June 28	8.09
Aug. 9	8.56	Dec. 3	5.60	Apr. 26	4.56	July 30	9.16
Sept. 4	8.16	Feb. 3, 1960	6.59	May 29	6.81	Aug. 29	8.76
Oct. 8	7.18	29	4.84	June 28	7.36	Sept. 26	8.70
Nov. 5	6.41	Mar. 30	7.12	Aug. 4	7.77	Oct. 30	8.21
25	7.24	May 4	7.26	Sept. 1	8.97	Nov. 27	7.07
Jan. 7, 1959	7.15	June 2	8.27	27	7.68	Dec. 26	8.30
Feb. 4	7.37	29	7.72	Oct. 27	8.32		

Si 45. Charles Rowe. College Highway, Weatogue, Simsbury. Lat 41°49'45", long 72°50'15". Dug unused water-table well in glacial gravel of Pleistocene age, diam 3 1/2 in, depth 15 ft, lined with stone. Lsd about 200 ft above msl. MP top of 1-in pipe projecting through concrete cover, 1.30 ft above lsd. Highest water level 7.92 below lsd, Nov. 10, 1955; lowest dry, Dec. 14, 1936, Nov. 2, Dec. 2, 1957. Records available: 1934-39, 1948, 1953-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1958	12.90	May 2, 1959	11.34	Aug. 1, 1960	11.35	Oct. 31, 1961	13.42
Feb. 1	11.75	June 1	11.89	Sept. 3	11.95	Dec. 2	13.46
Mar. 3	11.35	30	12.32	30	11.10	28	13.50
Apr. 1	10.73	Aug. 3	12.77	Oct. 29	11.79	Jan. 28, 1962	12.59
May 1	10.59	Sept. 1	13.06	Nov. 30	11.91	Feb. 25	13.06
31	10.96	30	13.06	Dec. 30	12.13	Apr. 1	12.01
June 30	11.67	Oct. 31	12.03	Jan. 31, 1961	12.44	28	11.84
July 31	12.13	Dec. 1	11.66	Mar. 1	10.86	May 27	12.40
Aug. 28	12.59	Jan. 2, 1960	11.38	30	10.39	June 29	12.95
Sept. 30	12.52	Feb. 1	11.50	Apr. 29	10.35	July 27	13.40
Nov. 1	11.93	Mar. 2	10.56	May 31	11.02	Aug. 27	13.70
30	12.00	Apr. 1	10.98	June 30	11.76	Sept. 28	14.05
Dec. 31	12.03	29	10.60	July 31	12.48	Oct. 29	13.45
Jan. 31, 1959	12.13	May 31	11.43	Aug. 31	12.98	Nov. 28	12.90
Feb. 28	12.34	June 30	10.70	Sept. 29	13.15	Dec. 28	12.79
Mar. 31	11.72						

SW 64. Robert S. Starr, Jr. Formerly H. F. Church. Main St. (previously reported Station 37), South Windsor. Lat 41°49'10", long 72°37'30". Dug unused water-table well in glacial sand of Pleistocene age, diam 24 in, depth 18 ft, lined with brick. Lsd about 40 ft above msl. MP top edge of hole in flagstone cover, 0.50 ft above lsd. Highest water level 7.15 below lsd, Mar. 30, 1936; lowest 14.09 below lsd, Nov. 30, 1957. Records available: 1934-39, 1948-62.

Jan. 31, 1958	12.11	Apr. 29, 1959	10.60	Aug. 2, 1960	11.30	Oct. 28, 1961	12.34
Mar. 1	11.76	May 29	11.48	31	11.80	Dec. 2	12.46
29	11.20	June 30	11.83	Sept. 27	10.92	28	12.48
Apr. 30	10.28	July 31	11.60	Oct. 27	11.22	Jan. 28, 1962	11.40
May 30	10.40	Sept. 1	12.17	Nov. 30	11.01	Feb. 25	12.10
June 28	11.41	30	12.54	Dec. 30	11.23	Apr. 1	11.23
Aug. 2	11.75	Oct. 30	11.80	Feb. 1, 1961	11.68	28	12.36
29	12.18	Dec. 1	11.11	28	10.03	May 27	11.99
Sept. 27	12.11	30	10.48	Mar. 30	9.51	June 29	12.50
Oct. 31	11.67	Jan. 29, 1960	10.67	Apr. 28	9.36	July 27	12.92
Nov. 30	11.43	Mar. 1	9.22	June 1	10.05	Aug. 27	13.32
Dec. 30	11.42	Apr. 1	9.76	30	10.91	Sept. 28	13.64
Jan. 30, 1959	11.38	29	9.50	Aug. 2	11.68	Oct. 29	13.61
Feb. 27	11.67	June 1	10.66	31	12.10	Nov. 28	13.34
Mar. 28	11.09	30	11.00	Sept. 29	12.21	Dec. 28	13.13

Litchfield County

NoC 7. James Lyles. U. S. Route 7 and East Main St., North Canaan. Lat 42°01'25", long 73°19'30". Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 28 in, depth 12 ft, lined with field stones. Lsd about 675 ft above msl. MP top of concrete curbing, at lsd. Highest water level 8.29 below lsd, Dec. 8, 1959; lowest 11.18 below lsd, Sept. 5, 1961. Records available: 1958-62. For additional measurements, see LaSala (1961).

Aug. 19, 1958	10.28	Sept. 29, 1959	10.00	Nov. 30, 1960	9.64	Jan. 2, 1962	9.63
26	10.14	Nov. 3	9.45	Dec. 27	9.70	31	9.48
Sept. 30	9.35	Dec. 1	8.50	Jan. 26, 1961	9.78	Feb. 27	9.77
Oct. 28	9.30	30	9.50	Feb. 28	9.02	Mar. 27	9.15
Dec. 2	9.24	Feb. 3, 1960	9.66	Mar. 28	8.88	May 1	9.42
30	9.68	Mar. 2	9.44	Apr. 25	9.25	31	9.92
Jan. 27, 1959	9.58	29	9.46	May 31	9.34	June 26	9.96
Feb. 25	9.78	Apr. 26	9.36	June 28	9.53	July 31	10.22
Apr. 2	9.43	June 1	9.75	Aug. 1	9.60	Aug. 28	10.25
29	9.45	28	9.74	30	11.12	Oct. 3	10.22
May 27	9.75	Aug. 2	9.66	Sept. 26	10.04	30	9.86
July 1	9.96	30	9.61	Oct. 3	9.97	Nov. 27	9.44
28	9.66	Sept. 27	9.32	31	9.82	Dec. 26	9.53
Sept. 1	10.12	Nov. 1	9.35	Nov. 28	9.44		

To 2. Warrenton Woolen Co. 839 Main St., Torrington. Lat 41°49'10", long 73°07'23". Drilled unused artesian well in crystalline bedrock, diam 8 in, depth 381 ft, cased to about 10. Lsd about 650 ft above msl. MP top of casing, at lsd. Highest water level 5.12 below lsd, Apr. 4, 1960; lowest 7.89 below lsd, Sept. 28, 1959. Records available: 1958-62. For additional measurements, see LaSala (1961).

To-2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 12, 1958	7.09	Aug. 31, 1959	7.09	Sept. 26, 1960	6.28	Oct. 2, 1961	6.90
Sept. 2	7.17	Sept. 28	7.89	Oct. 31	6.38	30	6.95
29	6.28	Nov. 2	6.33	Nov. 29	6.71	Nov. 27	6.34
Oct. 27	5.53	30	5.80	Dec. 26	6.63	Jan. 2, 1962	6.66
Dec. 1	6.04	Dec. 28	6.46	Jan. 30, 1961	7.05	29	6.31
29	6.81	Feb. 1, 1960	6.78	Feb. 27	5.27	Feb. 26	6.75
Feb. 2, 1959	6.71	29	6.14	Mar. 27	5.67	Mar. 26	5.76
Mar. 2	6.83	Mar. 28	6.44	Apr. 24	5.89	Apr. 30	6.29
28	6.29	May 2	6.54	May 1	5.82	May 28	6.66
Apr. 27	6.27	31	6.82	29	6.15	July 2	6.95
June 1	6.67	June 27	6.74	June 26	6.44	30	7.49
29	6.83	Aug. 1	6.27	July 29	7.05	Aug. 27	7.18
Aug. 3	6.60	29	6.86	Aug. 28	6.97	Oct. 1	7.01

Middlesex County

Mt 261. U. S. Government. Connecticut Advanced Nuclear Engineering Lab. Formerly Nuclear Engine Laboratory. Middletown. Lat 41°32'54" (previously reported 41°30'), long 72°33'55". Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in, depth 28 ft (previously reported 30 ft), lined with field stones. Lsd about 145 ft above msl. MP top of stone cover, at lsd. Highest water level 18.32 below lsd, Apr. 5, 1956; lowest dry, Dec. 2, 1957. Records available: 1956-62.

Jan. 31, 1958	18.37	Feb. 27, 1959	20.34	May 2, 1960	19.66	Aug. 4, 1961	21.58
Mar. 1	19.55	Mar. 31	18.89	June 2	20.32	Sept. 6	23.39
29	18.66	Apr. 29	19.07	28	20.98	27	24.18
Apr. 30	18.64	June 1	20.20	Aug. 4	22.22	Nov. 1	24.44
May 30	19.58	July 1	21.01	Sept. 28	23.10	Dec. 1	25.62
June 28	20.58	29	21.60	Nov. 2	21.28	26	24.22
Aug. 2	21.22	Sept. 3	22.93	28	20.33	Mar. 29, 1962	19.76
Sept. 2	21.18	Oct. 1	23.81	Dec. 28	20.45	Apr. 30	19.35
29	21.64	Nov. 2	23.35	Mar. 2, 1961	19.96	May 31	20.40
Oct. 31	19.77	Dec. 3	19.69	28	19.16	July 3	21.21
Dec. 2	19.19	31	19.65	Apr. 26	18.96	Aug. 9	22.51
30	19.64	Feb. 1, 1960	19.88	May 29	19.02	31	23.48
Jan. 30, 1959	20.32	Apr. 4	19.55	June 28	20.29	Oct. 11	25.16

Mt 301. U. S. Government. Connecticut Advanced Nuclear Engineering Lab., Middletown. Lat 41°32'35", long 72°33'42". Drilled unused artesian well in crystalline rock, diam 6 in, depth 144 ft, cased to 29. Lsd about 140 ft above msl. MP top of casing, 0.55 ft above lsd (since Aug. 4, 1960). Highest water level 22.10 below lsd, Apr. 12, 1960; lowest 27.09 below lsd, Mar. 5, 1959. Records available: 1958-62. Fluctuation affected by atmospheric pressure. Recording gage removed Aug. 4, 1960.

Water level at noon, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.54	24.91	.....
10	25.30	24.90	24.93
15	25.26	24.96	24.80
20	25.38	25.02	24.93
25	25.34	25.22	25.13
Eom	26.20	24.83	25.36	25.39

1959

5	25.55	26.49	27.09	25.49	24.55	25.59	26.37	26.30	26.75	26.92	25.66	23.36
10	25.77	26.59	26.57	24.38	24.66	25.74	26.41	26.42	26.53	26.98	25.32	23.08
15	25.92	26.74	26.57	24.11	24.85	25.86	26.41	26.48	26.57	26.97	24.88	22.53
20	26.16	26.84	26.42	24.00	25.06	26.01	26.28	26.55	26.71	26.86	25.05	22.37
25	26.24	26.94	26.11	24.19	25.28	26.13	26.20	26.62	26.80	26.70	24.83	22.51
Eom	26.40	26.99	26.02	24.32	25.45	26.26	26.22	26.72	26.84	25.81	23.92	22.97

1960

5	22.73	24.21	23.21	23.44	24.09	25.58	26.34	.....	.....	.....	.....	.....
10	22.55	24.44	23.27	22.22	24.42	25.80	.....	.....	.....	.....	.....	.....
15	22.62	24.53	23.63	22.20	24.67	25.95	.....	.....	.....	.....	.....	.....
20	23.17	24.21	23.94	22.69	24.99	26.08	.....	.....	.....	.....	.....	.....
25	23.55	23.72	24.14	23.05	25.15	26.20	.....	.....	.....	.....	.....	.....
Eom	23.99	22.43	24.16	23.63	25.39	26.25	.....	.....	.....	.....	.....	.....

e Estimated.

Mt 301--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 4, 1960	26.15	Mar. 28, 1961	23.17	Sept. 27, 1961	26.04	Apr. 30, 1962	24.45
Sept. 28	24.84	Apr. 26	22.91	Nov. 1	25.83	May 31	25.61
Nov. 2	25.72	May 29	23.30	Dec. 1	26.57	Jul. 3	26.58
28	25.53	June 28	24.89	26	26.29	Aug. 9	26.91
Dec. 28	25.52	Aug. 4	26.49	Mar. 1, 1962	25.74	31	27.02
Mar. 2, 1961	24.84	Sept. 6	26.79	29	25.00	Oct. 11	26.37

New Haven County

Na 11. Connecticut Water Co. Formerly Naugatuck Water Co. Beacon Valley Rd., Naugatuck. Lat 41°28'30" (previously reported 41°28'), long 73°00'40". Driven unused water-table well in glacial sand and gravel of Pleistocene age, diam 2 in, depth 78 ft. Lsd about 340 ft above msl. MP top of casing, at lsd. Highest water level 3.00 below lsd, Apr. 1, 1953; lowest 21.24 below lsd, July 30, 1957. Records available: 1946-62. Fluctuation affected by nearby pumping.

Jan. 30, 1958	4.22	May 1, 1959	5.40	Aug. 1, 1960	5.65	Dec. 3, 1961	18.12
Feb. 28	4.23	28	5.75	30	6.57	29	19.43
Mar. 31	4.07	June 29	5.92	Sept. 27	5.55	Jan. 27, 1962	19.89
Apr. 29	4.00	July 30	6.42	Oct. 28	6.10	Feb. 24	20.58
May 29	4.83	Aug. 31	18.49	Nov. 29	5.99	Mar. 31	7.70
June 27	5.80	Sept. 29	19.90	Jan. 3, 1961	5.70	Apr. 26	5.51
Aug. 1	6.03	Oct. 29	19.70	Feb. 27	4.27	May 26	5.91
28	18.09	Nov. 30	19.30	Mar. 29	4.48	June 28	6.30
Sept. 29	9.71	Dec. 29	19.35	Apr. 27	4.28	July 30	10.13
Oct. 30	5.61	Jan. 28, 1960	19.94	May 31	4.68	Aug. 29	19.16
Dec. 1	5.40	Feb. 29	6.88	June 29	5.64	Sept. 27	20.52
29	6.12	Mar. 30	5.26	Aug. 1	6.30	Oct. 30	21.11
Jan. 29, 1959	6.22	Apr. 28	4.85	30	6.43	Nov. 29	12.14
Feb. 26	6.17	May 31	5.41	Sept. 28	6.27	Dec. 26	6.87
Mar. 30	17.18	June 29	5.90	Oct. 27	6.59		

NHn 131. New Haven Clock Co. 133 Hamilton St., New Haven. Lat 41°8'30", long 72°54'45". Driven unused water-table well in glacial sand of Pleistocene age, diam 2½ in, depth 40 ft. Lsd 17.23 ft above msl. MP top of casing, 16.59 ft above msl. Highest water level 3.24 above msl, Nov. 27, 1962; lowest 5.65 below msl, May 26, 1944. Records available: 1939-62. Fluctuations affected by nearby pumping.

Jan. 30, 1958	+0.11	May 1, 1959	+0.87	Aug. 1, 1960	+1.74	Oct. 27, 1961	+1.61
Feb. 28	.30	28	.66	30	1.77	Dec. 1	1.67
Mar. 31	.52	June 29	.73	Sept. 27	2.11	27	1.55
Apr. 29	.81	July 30	.77	Oct. 28	1.99	Jan. 29, 1962	1.77
May 29	1.02	Aug. 31	.69	Nov. 29	1.78	Feb. 28	1.84
June 27	.95	Sept. 29	.45	Dec. 29	1.45	Mar. 30	2.11
Aug. 1	.77	Oct. 29	.49	Jan. 30, 1961	1.28	Apr. 27	2.24
28	.76	Nov. 30	.40	Feb. 27	1.59	May 31	1.92
Sept. 29	.66	Dec. 29	.58	Mar. 29	1.96	June 28	1.83
Oct. 30	.96	Jan. 28, 1960	.76	Apr. 27	1.92	July 30	2.36
Dec. 1	.83	Feb. 29	.88	May 31	1.32	Aug. 29	2.76
29	.74	Mar. 30	1.05	June 29	1.01	Sept. 27	2.80
Jan. 29, 1959	.60	Apr. 28	1.44	Aug. 1	1.40	Oct. 31	3.03
Feb. 26	.49	May 31	1.57	30	1.49	Nov. 27	3.24
Mar. 30	.68	June 29	1.48	Sept. 28	1.54	Dec. 27	3.00

NHn 183. Frank X. Hald Storage Co. 370-376 Davenport Ave., New Haven. Lat 41°18'00", long 72°56'45". Driven unused water-table well in glacial sand and gravel of Pleistocene age, diam 2 in, depth 20 ft (previously reported 24 ft). Lsd 23.94 ft above msl. MP top of casing, 17.94 ft above msl. Highest water level 7.06 above msl, Apr. 27, 1953; lowest 2.67 above msl, Dec. 3, 1941. Records available: 1939-62.

Jan. 30, 1958	+4.95	Dec. 1, 1958	+5.24	Sept. 29, 1959	+4.12	Aug. 1, 1960	+4.71
Feb. 28	5.34	29	5.20	Oct. 29	4.15	30	4.44
Mar. 31	5.72	Jan. 29, 1959	5.08	Nov. 30	4.40	Sept. 27	4.76
Apr. 29	6.11	Feb. 26	5.08	Dec. 28	4.77	Oct. 28	4.68
May 29	6.38	Mar. 30	5.30	Jan. 28, 1960	4.91	Nov. 29	4.96
June 27	6.44	May 1	5.52	Feb. 29	5.14	Dec. 29	4.84
Aug. 1	5.38	28	5.27	Mar. 30	5.25	Jan. 30, 1961	4.80
28	4.97	June 29	4.97	Apr. 28	5.71	Feb. 27	5.05
Sept. 29	4.76	July 30	4.63	May 31	5.61	Mar. 29	5.61
Oct. 30	4.99	Aug. 31	4.37	June 29	5.12	Apr. 27	5.99

NHn 183--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 31, 1961	+6.29	Oct. 27, 1961	+5.09	Mar. 30, 1962	+5.82	Aug. 29, 1962	+5.44
June 29	6.05	Dec. 1	4.92	Apr. 27	5.91	Sept. 27	4.37
Aug. 1	5.73	27	3.94	May 31	5.57	Oct. 31	4.34
30	5.46	Jan. 29, 1962	5.25	June 28	5.12	Nov. 27	4.44
Sept. 28	5.22	Feb. 28	5.35	July 30	4.82	Dec. 27	4.68

Sb 1. Francis Bower. Southbury. Near South Britain. Lat 41°28'50", long 73°15'30". Dug domestic (previously reported unused) water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 18 ft (previously reported 23 ft), lined with stone. Lsd about 190 ft above msl. MP top of well curb, at lsd (since June 29, 1959). Highest water level 9.66 below lsd, Nov. 28, 1955; lowest 18.40 below lsd, Oct. 14, 1916. Records available: 1913-16, 1944-62. Fluctuation affected by pumping, since July 30, 1959.

Jan. 30, 1958	14.75	May 1, 1959	14.48	Aug. 1, 1960	14.99	Oct. 27, 1961	15.64
Feb. 28	14.90	28	14.85	30	15.68	Dec. 3	16.13
Mar. 31	14.29	June 29	15.49	Sept. 27	14.71	29	16.06
Apr. 29	13.92	July 30	16.67	Oct. 28	15.11	Jan. 27, 1962	15.77
May 29	13.91	Aug. 31	16.83	Nov. 29	15.58	Feb. 24	17.30
June 27	14.63	Sept. 29	17.35	Jan. 3, 1961	14.82	Mar. 31	16.00
Aug. 1	15.68	Oct. 29	17.20	31	15.52	Apr. 26	15.41
28	15.18	Nov. 30	15.33	Feb. 27	14.85	May 26	15.87
Sept. 29	15.06	Dec. 29	15.17	Mar. 29	13.78	June 28	16.16
Oct. 30	14.55	Jan. 28, 1960	14.80	Apr. 27	13.79	July 30	17.05
Dec. 1	14.48	Feb. 29	14.35	May 31	13.76	Aug. 29	16.98
29	14.74	Mar. 30	14.73	June 29	14.17	Sept. 27	17.33
Jan. 29, 1959	15.13	Apr. 28	13.79	Aug. 1	15.12	Oct. 30	17.03
Feb. 26	15.48	May 31	14.01	30	15.19	Nov. 29	16.49
Mar. 30	15.22	June 29	14.58	Sept. 28	16.10	Dec. 26	16.47

Wb 93. Mrs. William Nichols, Sr. 118 Pearl Lake Rd., Waterbury. Lat 41°3'30", long 73°02'30". Dug unused water-table well in glacial gravel of Pleistocene age, diam 4 ft, depth 33 ft, lined with stone. Lsd about 320 ft above msl. MP bottom edge of flagstone at northwest corner of well, at lsd. Highest water level 23.99 below lsd, Apr. 1, 1953; lowest 29.68 below lsd, Sept. 27, 1962. Records available: 1944-62.

Jan. 30, 1958	25.00	May 1, 1959	26.75	Aug. 1, 1960	27.93	Oct. 27, 1961	27.96
Feb. 28	26.88	28	27.40	30	28.07	Dec. 3	27.89
Mar. 31	25.98	June 29	27.81	Sept. 27	26.91	29	27.83
Apr. 29	26.23	July 30	27.84	Oct. 28	27.72	Jan. 27, 1962	27.10
May 29	26.69	Aug. 31	28.06	Nov. 29	27.42	Feb. 24	27.73
June 27	27.08	Sept. 29	28.18	Jan. 3, 1961	27.21	Mar. 31	26.47
Aug. 1	27.33	Oct. 29	27.13	31	27.52	Apr. 26	26.80
28	27.96	Nov. 30	26.68	Feb. 27	26.06	May 26	27.65
Sept. 29	28.00	Dec. 29	26.41	Mar. 29	26.16	June 28	27.96
Oct. 30	27.41	Jan. 28, 1960	26.98	Apr. 27	24.99	July 30	28.05
Dec. 1	27.33	Feb. 29	26.15	May 31	27.03	Aug. 29	28.26
29	27.30	Mar. 30	27.02	June 29	27.58	Sept. 27	29.68
Jan. 29, 1959	27.43	Apr. 28	26.61	Aug. 1	27.98	Oct. 30	28.00
Feb. 26	27.17	May 31	27.47	30	28.17	Nov. 29	27.18
Mar. 30	26.63	June 29	27.79	Sept. 28	28.01	Dec. 26	27.17

New London County

Gt 6. O. C. Merry. Hazelnut Hill Rd., Groton. Lat 41°21'25", long 72°01'25". Drilled domestic artesian well in crystalline bedrock, diam 6 in, depth 65 ft. Lsd about 105 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 0.78 below lsd, Apr. 29, 1961; lowest 12.14 below lsd, Sept. 30, 1962. Records available: 1958-62. Fluctuation affected by pumping. For additional measurements, see LaSala (1961).

Sept. 13, 1958	5.54	Oct. 31, 1959	8.59	Dec. 31, 1960	3.93	Jan. 27, 1962	2.55
28	5.45	Nov. 28	7.24	Jan. 28, 1961	4.69	Feb. 24	4.25
Nov. 2	2.38	Dec. 26	2.80	Feb. 25	1.80	Mar. 31	2.39
29	4.05	Jan. 30, 1960	3.65	Mar. 25	1.04	Apr. 28	3.00
Dec. 27	4.16	Feb. 27	.97	Apr. 29	.78	June 2	6.15
Jan. 31, 1959	5.07	Apr. 2	2.44	May 27	1.88	July 30	6.94
Feb. 28	4.94	30	3.11	July 1	5.15	July 28	9.09
Mar. 28	1.50	May 28	4.40	29	7.15	Sept. 1	11.20
May 2	2.85	July 2	7.05	Sept. 2	9.62	30	12.14
30	5.04	30	9.93	30	3.00	Oct. 27	8.05
June 27	4.50	Sept. 3	11.95	Oct. 28	5.00	Nov. 24	3.32
Aug. 1	2.94	Oct. 1	8.38	Dec. 2	4.84	Dec. 21	3.74
29	6.97	29	8.13	30	3.36	29	4.04
Sept. 26	8.70	Dec. 3	6.14				

Gt 19. John Ackley, Jr. Poquenock Plains, Groton. Lat 41°20'13", lon 72°03'15". Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 18 ft, lined with fieldstones. Lsd about 22 ft above msl. MP bottom of fieldstone on west side of well, at lsd. Highest water level 11.59 below lsd, Sept. 24, 1961; lowest 17.06 below lsd, Sept. 12, 1960. Records available: 1958-62. For additional measurements, see LaSala (1961).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 19, 1958	14.95	July 27, 1959	14.04	Oct. 2, 1960	15.67	Nov. 27, 1961	14.84
27	15.24	Aug. 30	15.76	31	15.95	Dec. 31	14.02
July 27	16.02	Sept. 28	16.54	Nov. 27	15.38	Jan. 29, 1962	13.95
Aug. 31	14.94	Nov. 1	16.12	Dec. 31	14.57	Feb. 25	14.68
Sept. 28	15.74	30	15.72	Jan. 30, 1961	15.25	Apr. 1	13.44
Oct. 28	14.47	Dec. 27	14.41	Feb. 27	13.98	30	14.37
Nov. 30	15.35	Feb. 1, 1960	14.56	Mar. 27	13.39	May 27	15.46
Dec. 28	15.14	28	12.20	Apr. 30	12.51	Jul. 1	15.50
Feb. 1, 1959	15.50	Mar. 28	14.13	May 28	14.03	29	16.05
Mar. 2	15.12	May 1	14.53	July 2	15.22	Sept. 2	16.13
31	13.82	30	14.85	30	16.23	30	16.13
Apr. 27	14.08	June 26	15.70	Aug. 27	16.45	Oct. 29	15.48
June 1	15.38	July 31	16.37	Oct. 1	13.50	Nov. 25	13.77
28	15.03	Aug. 28	16.91	29	14.98	Dec. 23	14.70

Tolland County

U 3. Yale University Forest. Union. Lat 41°57'40", long 72°09'45". Dug unused water-table well in glacial till of Pleistocene age, diam 36 in, depth 24 ft (previously reported 25 ft), lined with stone. Lsd about 780 ft above msl. MP top south side of curbing, at lsd. Highest water level 9.34 below lsd, Mar. 31, 1953; lowest dry, Dec. 1, 1949, Sept. 27, Nov. 1, 30, 1957, Dec. 30, 1961. Records available: 1946-62.

Jan. 31, 1958	17.65	Apr. 29, 1959	15.63	Aug. 2, 1960	19.61	Oct. 28, 1961	22.76
Mar. 1	17.82	May 29	17.40	31	20.81	Nov. 30	23.52
29	15.00	June 30	19.09	Sept. 27	21.36	Dec. 30	(f)
Apr. 30	12.81	July 31	18.09	Oct. 27	21.92	Jan. 30, 1962	21.29
May 30	14.67	Sept. 1	19.69	Nov. 30	21.23	Mar. 1	21.07
June 28	17.43	30	21.02	Dec. 30	20.87	Apr. 2	17.78
Aug. 2	19.34	Oct. 30	21.81	Feb. 1, 1961	20.58	May 2	16.60
29	20.57	Dec. 1	19.54	28	19.16	Jun. 2	17.84
Sept. 27	21.38	30	16.70	Mar. 30	15.47	30	19.17
Oct. 31	20.62	Jan. 29, 1960	17.12	Apr. 28	14.50	July 30	20.55
Nov. 28	19.35	Mar. 1	15.11	June 1	15.32	Aug. 30	21.83
Dec. 30	17.74	Apr. 1	16.27	30	17.47	Sept. 29	23.01
Jan. 30, 1959	18.48	29	14.96	Aug. 2	19.42	Oct. 29	23.73
Feb. 27	18.65	June 1	16.45	31	20.71	Nov. 29	23.33
Mar. 28	17.64	30	17.77	Sept. 29	21.84	Dec. 29	22.35

f Dry.

Windham County

Bk 41. Richard Brouillard. Darby and Barrett Hill Rds., Brooklyn. Lat 41°49'15", long 71°56'20". Drilled unused water-table well in crystalline rock, diam 6 in, depth 107 ft (previously reported 109 ft), cased to 9. Lsd about 330 ft above msl. MP top of steel casing, 1.15 ft above lsd. Highest water level 5.37 below lsd, Jan. 31, 1958; lowest 17.60 below lsd, Sept. 27, 1957 (previously reported 27.61 below lsd, Nov. 1, 1957). Records available: 1957-62.

Jan. 31, 1958	5.37	Apr. 29, 1959	8.75	Aug. 2, 1960	13.08	Oct. 30, 1961	12.46
Mar. 1	9.62	May 29	11.13	31	13.65	Nov. 30	11.40
29	6.41	June 30	12.08	Sept. 27	11.25	Dec. 30	10.87
Apr. 30	5.53	July 31	11.41	Oct. 27	11.75	Jan. 30, 1962	9.22
May 30	10.54	Sept. 1	14.23	Nov. 30	10.58	Mar. 1	11.00
June 28	11.77	30	15.01	Dec. 30	9.86	Apr. 2	6.23
Aug. 2	12.73	Oct. 30	11.32	Feb. 1, 1961	11.96	May 2	10.56
29	12.56	Dec. 1	8.20	28	8.21	June 2	12.11
Sept. 27	11.61	30	8.74	Mar. 30	8.82	30	10.92
Oct. 31	10.52	Jan. 29, 1960	9.91	Apr. 28	9.11	July 30	13.47
Nov. 28	11.12	Mar. 1	7.93	June 1	9.19	Aug. 29	14.01
Dec. 30	11.29	Apr. 1	6.63	30	12.43	Sept. 29	16.09
Jan. 30, 1959	11.28	29	10.16	Aug. 2	13.77	Oct. 29	10.97
Feb. 27	11.65	June 1	11.21	31	14.42	Nov. 29	9.26
Mar. 28	9.57	30	13.24	Sept. 28	12.38	Dec. 29	11.16

Pl 1. W. P. Lewis. Pleasant St., Plainfield. Lat 41°40'50", long 71°55'20". Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in, depth 34 ft, lined with stone. Lsd about 180 ft above msl. MP top of stone curb, at lsd. Highest water level 27.24 below lsd, Apr. 28, 1953; lowest 32.34 below lsd, Nov. 5, 8, 10, 1957. Records available: 1942-62. Recording gage removed June 30, 1960; re-installed Apr. 2, 1962.

Water level at noon, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.28	28.99	28.97	28.82	28.07	28.45	29.54	.....	30.14	30.29	30.29	30.34
10	31.07	28.85	28.95	28.71	27.99	28.65	29.67	.....	30.19	30.27	30.27	30.32
15	30.87	28.90	29.00	28.55	27.93	28.83	29.77	.....	30.26	30.30	30.31	30.31
20	30.57	29.06	29.01	28.35	27.93	29.05	29.89	.....	30.32	30.34	30.34	30.34
25	30.13	29.17	29.02	28.21	28.04	29.22	30.00	.....	30.37	30.33	30.40	30.39
Eom	29.39	29.18	28.91	28.16	28.26	29.37	e30.02	30.09	30.40	30.27	30.40	.....

1959

5	30.40	30.46	29.97	29.45	28.99	29.77	30.31	30.44	30.96	31.43	30.99	e30.32
10	30.44	30.42	29.76	29.22	29.12	29.87	30.39	30.52	e31.04	31.42	30.92	e29.04
15	30.48	30.16	29.72	28.97	29.24	29.97	30.33	30.61	e31.12	31.38	30.86	e29.75
20	30.52	29.99	29.59	28.85	29.38	30.06	30.26	30.69	e31.20	31.36	30.83	e29.46
25	30.43	29.98	29.52	28.86	29.52	30.15	30.28	30.78	e31.29	31.32	30.76	e29.19
Eom	30.45	30.02	29.52	28.91	29.65	30.22	30.37	30.87	31.36	31.10	30.55	28.89

1960

5	28.84	29.08	28.52	28.82	28.64	29.46	.....	.....	.....	.....	.....	.....
10	28.79	29.08	28.50	28.60	28.79	29.60	.....	.....	.....	.....	.....	.....
15	28.75	29.07	28.61	28.33	28.88	30.73	.....	.....	.....	.....	.....	.....
20	28.84	28.97	28.72	28.44	29.02	.....	.....	.....	.....	.....	.....	.....
25	28.94	28.74	28.85	28.28	29.16	.....	.....	.....	.....	.....	.....	.....
Eom	29.00	28.63	28.97	28.47	29.30	.....	.....	.....	.....	.....	.....	.....

e Estimated.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1960	29.00	Aug. 2, 1960	30.63	Feb. 1, 1961	30.25	Aug. 2, 1961	30.09
Mar. 1	28.61	31	30.87	28	29.90	31	30.72
Apr. 1	28.98	Sept. 27	30.73	Mar. 30	29.10	Sept. 27	30.69
29	28.44	Oct. 27	30.88	Apr. 28	28.98	Oct. 30	30.68
June 1	29.39	Nov. 30	30.58	June 1	28.64	Nov. 30	30.93
30	30.13	Dec. 30	30.42	30	29.17	Dec. 30	31.00

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	29.39	29.56	30.17	30.65	31.20	31.55	32.00	31.86	31.31
10	29.31	29.67	30.26	30.70	31.23	31.61	31.84	31.74	31.23
15	29.29	29.78	30.34	30.77	31.32	31.67	31.74	31.70	31.18
20	29.30	29.89	30.42	30.83	31.36	31.74	31.76	31.61	31.16
25	29.36	29.98	30.50	30.89	31.43	31.80	31.81	31.53	31.18
Eom	h29.77	.....	.....	29.45	30.04	30.59	30.98	31.50	31.84	31.87	31.42	31.16

h Tape measurement.

Wil 1. American Thread Co. 322 Main St., Willimantic. Lat 41°42'30", long 72°12'15". Drilled unused water-table well in crystalline bedrock, diam 6 in, depth 83 ft. Lsd about 190 ft above msl. MP top of ½-in pipe in transformer platform, 0.40 ft above lsd (since Apr. 29, 1959). Highest water level 4.52 below lsd, Mar. 31, 1953; lowest 8.90 below lsd, Oct. 27, 1947. Records available: 1946-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	5.07	Apr. 29, 1959	5.59	Aug. 2, 1960	6.54	Oct. 27, 1961	6.95
Mar. 1	6.11	May 29	6.31	31	6.91	Nov. 30	7.27
29	5.92	June 30	6.66	Sept. 27	6.29	Dec. 30	7.06
Apr. 30	5.44	July 31	6.64	Oct. 27	6.61	Jan. 30, 1962	6.22
May 30	6.13	Sept. 1	7.21	Nov. 30	6.72	Mar. 1	6.22
June 28	6.74	30	7.72	Dec. 30	6.48	Apr. 2	5.62
Aug. 2	6.58	Oct. 30	6.89	Feb. 1, 1961	6.73	May 2	6.16
29	7.07	Dec. 1	5.84	28	5.31	June 2	6.69
Sept. 27	7.09	30	5.61	Mar. 30	5.63	30	6.86
Oct. 31	6.56	Jan. 29, 1960	5.94	Apr. 28	5.52	July 30	7.28
Nov. 28	6.80	Mar. 1	6.40	June 1	5.47	Aug. 27	7.11
Dec. 30	6.70	Apr. 1	5.10	30	6.01	Sept. 27	7.18
Jan. 30, 1959	6.96	29	5.83	Aug. 2	6.16	Oct. 27	7.10
Feb. 27	6.74	June 1	6.01	31	5.75	Nov. 27	6.54
Mar. 28	5.88	30	6.68	Sept. 29	6.37	Dec. 27	6.80

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DELAWARE

By O. J. Coskery and R. A. Gardner

The observation-well program in Delaware was continued during 1958 through 1962 in co-operation with the Delaware Geological Survey, which has represented the State in the cooperative ground-water program. Recording gage charts were voluntarily changed weekly by Oliver Henderson at New Castle and Arthur B. Hope at Governor Bacon Health Center. Figure 3 shows the location of observation wells included in this report.

Well-Numbering System

The State of Delaware is divided into 5-minute quadrangles of latitude and longitude. The quadrangles are lettered north to south with uppercase letters, and west to east with lowercase letters. The 5-minute quadrangle is further subdivided into 25 one-minute blocks, numbered from north to south in series of tens from 10 to 50, and from west to east in units from 1 to 5. A well in one of these blocks is designated by a capital letter, a small letter, and a two-digit number, followed by a hyphen and a serial number, as, for example, well Nc45-1 in northwestern Sussex County.

Well Descriptions and Water-Level Measurements

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

Kent County

Hc32-1. Town of Clayton. Lat 39°17', long 75°38'. Jetted unused artesian well in sand of Eocene age, diam 4 in, depth 204 ft, cased to 115. Lsd about 45 ft above msl. MP top of casing, 0.65 ft above lsd. Highest water level 18.33 below lsd, Apr. 30, 1953; lowest 51.82 below lsd, Sept. 29, 1959. Records available: 1950, 1952-62. Measurement discontinued. Water levels affected by pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1958	42.38	Dec. 8, 1958	45.84	Feb. 1, 1960	31.39	June 29, 1961	37.86
Apr. 29	32.33	Feb. 4, 1959	45.12	Mar. 31	30.65	Sept. 11	44.32
May 12	42.52	Apr. 8	40.48	May 31	d40.46	Oct. 30	35.67
June 4	39.37	May 20	42.47	July 21	d49.99	Dec. 29	31.37
Aug. 1	28.85	Aug. 3	50.05	Nov. 7	d41.64	Jan. 31, 1962	30.22
Sept. 5	48.47	Sept. 29	51.82	Mar. 2, 1961	30.83	Mar. 1	29.59
Oct. 2	49.43	Nov. 17	49.66	Apr. 26	29.84		

d Nearby well pumped recently.

Ic11-1. State Highway Dept. Near Kenton. Lat 39°14', long 75°39'. Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 12 ft, well point 9-12. Lsd 49 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 2.44 below lsd, May 1, 1952; lowest 6.22 below lsd, July 28, 1955. Records available: 1950-62. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1958	3.74	Feb. 4, 1959	4.76	Apr. 22, 1960	4.38	June 29, 1961	4.53
Apr. 9	2.65	Apr. 8	4.54	May 9	4.68	Sept. 11	5.23
June 4	3.78	May 21	4.98	31	5.00	29	5.43
Aug. 1	4.73	Aug. 3	5.53	July 21	5.62	Oct. 30	5.37
Sept. 10	4.46	Sept. 29	5.97	Sept. 14	3.05	Dec. 29	5.01
Oct. 2	4.34	Oct. 6	6.00	26	3.73	Jan. 31, 1962	5.08
Nov. 3	4.21	Nov. 17	5.59	Nov. 7	4.46	Mar. 1	4.32
Dec. 8	4.68	Feb. 1, 1960	5.05	Mar. 2, 1961	2.86	Apr. 27	4.16
Jan. 5, 1959	4.49	Mar. 21	4.23	Apr. 26	3.52		

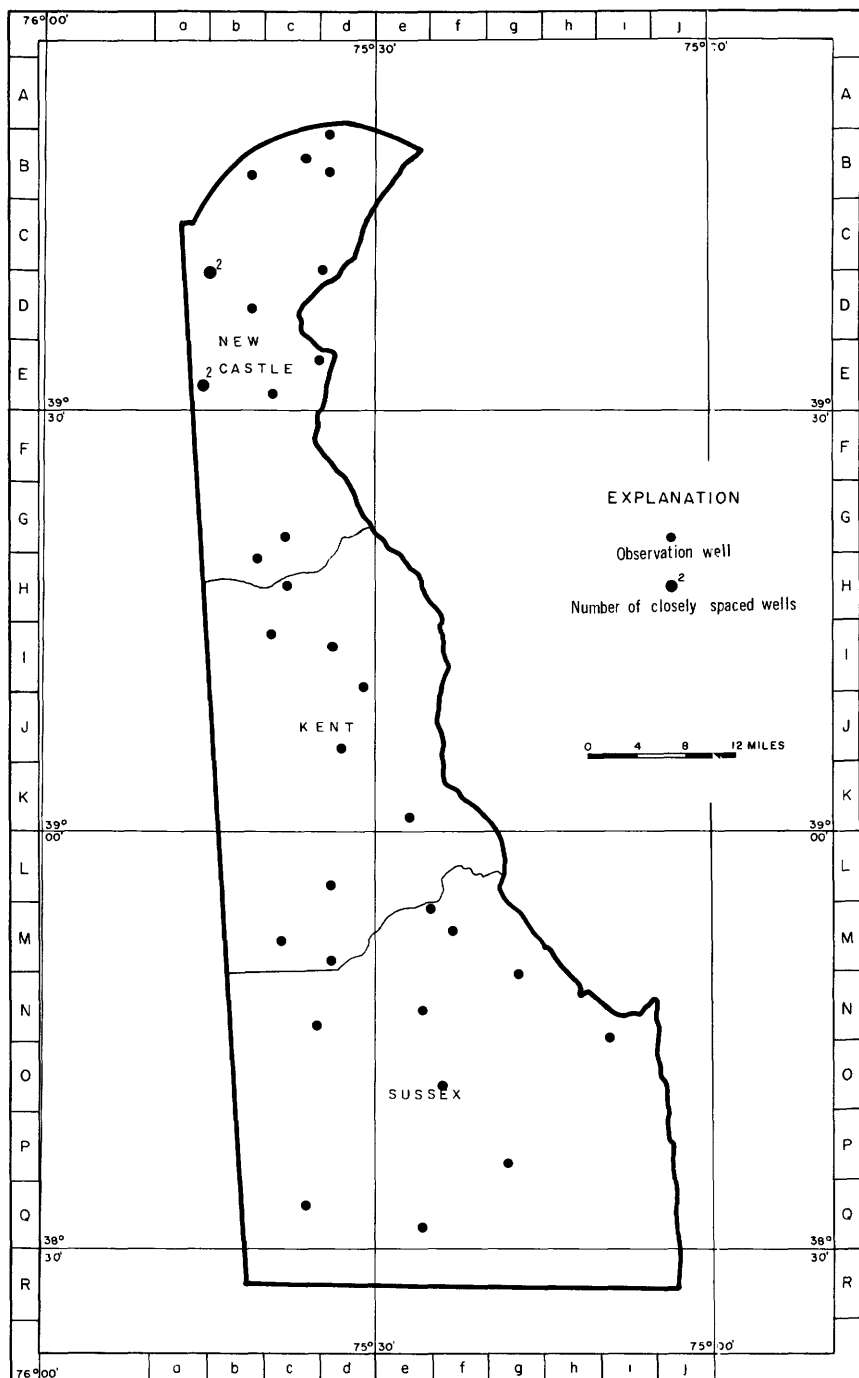


Figure 3. --Location of observation wells in Delaware, 1958-62.

Id21-2. State Highway Dept. Near Cheswold. Lat 39°13', long 75°34'. Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 14 ft, well point 11-14. Lsd about 40 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 2.48 below lsd, May 1, 1952; lowest 9.52 below lsd, Nov. 3, 1954. Records available: 1950-62. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1958	2.95	Feb. 4, 1959	4.30	Apr. 22, 1960	4.01	Mar. 2, 1961	2.53
Apr. 9	2.73	Apr. 8	4.15	May 5	4.68	Apr. 26	3.45
June 4	3.70	May 21	5.43	10	4.65	June 29	4.78
Aug. 1	5.11	Aug. 3	6.22	31	5.24	Sept. 11	e6.12
Sept. 11	4.52	Sept. 28	7.15	July 21	7.23	29	e6.81
Oct. 2	4.61	Oct. 12	7.72	Sept. 14	4.08	Oct. 30	e6.20
Nov. 3	3.95	Nov. 17	6.08	26	3.94	Dec. 29	7.06
Dec. 8	4.65	Feb. 1, 1960	4.26	Nov. 7	4.33	Jan. 31, 1962	4.21
Jan. 5, 1959	4.12	Mar. 31	3.53				

e Estimated.

Id54-10. State Highway Dept. At Dover. Lat 39°11', long 75°32'. Bored observation water-table well in sand of Pleistocene age, diam 1 in, depth 19 ft, well point 16-19. Lsd about 27 ft above msl. MP top of casing, at lsd. Highest water level 4.88 below lsd, Apr. 26, 1961; lowest 9.38 below lsd, Nov. 14, 1962. Records available: 1958-62.

Sept. 10, 1958	5.32	Sept. 28, 1959	8.60	Nov. 7, 1960	7.80	Aug. 24, 1962	8.98
Nov. 3	6.61	Nov. 16	8.36	Apr. 26, 1961	4.88	Sept. 21	9.12
Jan. 5, 1959	6.87	Apr. 21, 1960	6.49	Oct. 18	9.22	Oct. 18	9.10
Apr. 8	7.11	May 9	7.04	Mar. 1, 1962	8.13	Nov. 14	9.38
May 21	7.76						

Jd42-3. State Highway Dept. Near Camden. Lat 39°06', long 75°33'. Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 15 ft, well point 12-15. Lsd about 44 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 3.08 below lsd, June 2, 1952; lowest 9.16 below lsd, Oct. 30, 1951. Records available: 1950-61. Measurement discontinued.

Jan. 28, 1958	5.80	Feb. 5, 1959	4.43	Mar. 31, 1960	5.49	Nov. 7, 1960	5.56
Apr. 9	3.18	Apr. 8	4.76	Apr. 21	5.49	Mar. 2, 1961	4.55
June 4	3.26	May 21	4.87	May 4	5.46	Apr. 26	5.51
Aug. 5	3.89	Aug. 3	5.07	9	5.48	June 29	5.47
Sept. 10	3.85	Sept. 28	5.54	31	5.51	Sept. 12	5.48
Oct. 2	3.77	Oct. 28	5.35	July 21	5.53	29	5.46
Nov. 3	3.95	Nov. 17	5.44	Sept. 14	5.53	Oct. 30	5.52
Dec. 8	4.09	Feb. 1, 1960	5.46	26	5.54	Dec. 29	5.53
Jan. 5, 1959	4.34						

Ke43-1. State Highway Dept. Near Frederica. Lat 39°01', long 75°27'. Driven observation water-table well in sand of Pleistocene age, diam 1½ in, depth 17 ft, well point 14-17. Lsd about 22 ft above msl. MP top of casing, at lsd. Highest water level 3.87 below lsd, Sept. 8, 1958; lowest 12.89 below lsd, Dec. 1, 1950. Records available: 1950-62. Measurement discontinued.

Jan. 27, 1958	9.35	Feb. 4, 1959	8.46	Apr. 21, 1960	7.27	Apr. 26, 1961	5.49
Apr. 9	4.19	Apr. 8	9.78	26	7.44	June 29	8.44
June 4	5.60	May 22	9.73	May 10	7.98	Sept. 12	10.69
Aug. 1	4.70	Aug. 3	6.86	31	8.76	29	11.07
Sept. 8	3.87	Sept. 28	6.01	July 21	10.35	Oct. 30	11.49
Oct. 2	5.51	Oct. 29	10.17	Sept. 14	9.90	Dec. 29	11.69
Nov. 3	6.85	Nov. 17	9.73	Nov. 7	10.36	Jan. 31, 1962	9.59
Dec. 8	7.97	Feb. 1, 1960	8.44	Mar. 2, 1961	5.68	Apr. 3	8.13
Jan. 5, 1959	7.92	Mar. 31	7.25				

Ld42-1. State Highway Dept. Near Harrington. Lat 38°56', long 75°34'. Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 13 ft, well point 10-13. Lsd about 43 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 1.28 below lsd, June 2, 1952; lowest 7.48 below lsd, Sept. 27, 1957. Records available: 1950-62. Measurement discontinued.

Jan. 28, 1958	3.74	Apr. 9, 1959	4.35	Apr. 27, 1960	4.14	Apr. 26, 1961	3.77
Apr. 9	3.54	May 22	5.09	May 9	4.49	June 29	4.20
June 4	4.65	Aug. 3	4.35	31	4.94	Sept. 12	6.51
Aug. 1	4.40	Sept. 28	5.71	July 21	6.06	29	6.77
Sept. 10	4.33	Nov. 6	5.76	Sept. 14	3.93	Oct. 30	6.15
Oct. 2	4.84	16	4.78	26	4.16	Dec. 29	5.24
Nov. 3	5.11	Feb. 1, 1960	4.14	Nov. 17	4.62	Jan. 31, 1962	4.29
Dec. 8	5.50	Mar. 31	3.82	Mar. 2, 1961	3.05	Apr. 2	3.42
Feb. 4, 1959	4.59	Apr. 21	3.92				

Mc51-1. State Highway Dept. Near Adamsville. Lat 38°51', long 75°40'. Bored observation water-table well in sand of Pleistocene age, diam 1 in, depth 18 ft, well point 16-18. Lsd about 55 ft above msl. MP top of casing, at lsd. Highest water level 6.02 below lsd, Sept. 10, 1958; lowest 14.52 below lsd, Nov. 13, 1962. Records available: 1958-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 10, 1958	6.02	May 22, 1959	11.13	May 9, 1960	9.16	Aug. 24, 1962	12.97
Nov. 3	10.85	Sept. 28	9.64	Nov. 7	10.70	Sept. 12	13.45
Jan. 5, 1959	11.16	Nov. 16	8.87	Apr. 26, 1961	7.03	Oct. 12	14.04
Apr. 9	10.87	Apr. 21, 1960	7.29	Oct. 17	13.38	Nov. 13	14.52

Md22-1. State Highway Dept. Near Williamsville. Lat 38°53', long 75°23'. Bored observation water-table well in sand of Pleistocene age, diam 1 in, depth 17 ft, well point 14-17. Lsd about 58 ft above msl. MP top of casing, at lsd. Highest water level 2.93 below lsd, Apr. 21, 1960, Apr. 26, 1961; lowest 10.00 below lsd, Nov. 13, 1962. Records available: 1958-62.

Sept. 10, 1958	3.37	May 21, 1959	4.87	May 9, 1960	3.70	Aug. 24, 1962	8.34
Nov. 3	4.24	Sept. 28	6.63	Nov. 7	3.23	Sept. 14	8.98
Jan. 5, 1959	2.97	Nov. 16	4.17	Apr. 26, 1961	2.93	Oct. 12	9.56
Apr. 8	3.39	Apr. 21, 1960	2.93	Oct. 17	8.75	Nov. 13	10.00

New Castle County

Ad52-1. Woodlawn Trustees, Inc. Beaver Valley near Granogue. Lat 39°50', long 75°34'. Dug unused water-table well in weathered zone of Wissahickon Formation, diam 36 in, depth 23 ft, lined with stone. Lsd about 260 ft above msl. MP top of cover, 1.75 ft above lsd. Highest water level 15.03 below lsd, Apr. 10, 1958; lowest 19.49 below lsd, Sept. 30, 1957. Records available: 1955-62. Measurement discontinued.

Jan. 31, 1958	16.63	Apr. 13, 1959	17.23	June 1, 1960	16.63	Oct. 16, 1961	18.14
Apr. 10	15.03	May 20	17.75	Nov. 7	17.91	31	18.37
June 3	17.20	Aug. 4	18.28	Mar. 3, 1961	16.62	Dec. 28	17.80
July 31	17.03	Oct. 2	18.66	Apr. 28	15.56	Feb. 1, 1962	17.80
Oct. 3	17.84	Nov. 19	18.65	June 30	17.79	Mar. 1	16.91
Dec. 9	17.81	Feb. 2, 1960	17.38	Sept. 11	18.03	Apr. 27	16.72
Feb. 2, 1959	17.92	Apr. 1	17.34				

Bb44-11. R. B. Walker, Sr. Hockessin. Lat 39°47', long 75°41'. Dug unused water-table well in weathered zone of Wissahickon Formation, diam 4 ft, depth 24 ft, lined with stone. Lsd about 340 ft above msl. MP top of concrete cover, 1.00 ft above lsd. Highest water level 8.13 below lsd, Apr. 10, 1958; lowest 19.40 below lsd, Jan. 4, 1955. Records available: 1955-62. Measurement discontinued.

Jan. 31, 1958	13.88	Apr. 13, 1959	14.64	June 1, 1960	12.43	Sept. 11, 1961	15.51
Apr. 10	8.13	May 22	14.80	July 22	14.02	Oct. 16	16.60
June 3	9.74	Aug. 4	17.02	Nov. 7	13.77	31	16.96
July 31	12.37	Sept. 30	13.65	Mar. 3, 1961	12.56	Dec. 28	17.91
Oct. 3	13.45	Nov. 19	16.19	Apr. 28	10.69	Feb. 1, 1962	17.79
Dec. 9	14.88	Feb. 2, 1960	15.65	June 30	13.19	Mar. 1	17.74
Feb. 2, 1959	15.45	Apr. 1	13.07				

Bc24-2. Henry F. duPont. Winterthur. Lat 39°48', long 75°36'. Drilled unused artesian well in Wissahickon Formation, diam 8 in, depth 159 ft, cased to 50, open hole 50-159. Lsd about 270 ft above msl. MP top of iron cover, at lsd. Highest water level 4.31 below lsd, Feb. 2, 1959; lowest 11.82 below lsd, Aug. 30, 1956. Records available: 1955-59. Measurement discontinued. Water levels affected by pumping.

Jan. 31, 1958	5.10	July 31, 1958	6.08	Feb. 2, 1959	4.31	May 20, 1959	5.63
Apr. 10	4.77	Oct. 3	6.80	Apr. 13	5.12	Aug. 4	6.82
June 3	5.06	Dec. 9	5.55				

Bd31-1. F. B. Crowninshield. Near Montchanin Station. Lat 39°47', long 75°34'. Dug unused water-table well in weathered gabbro, diam 42 in, depth 23 ft, lined with stone. Lsd about 230 ft (previously reported about 250 ft) above msl. MP top of stone curbing, at lsd. Highest water level 9.67 below lsd, Apr. 10, 1958; lowest 16.58 below lsd, Nov. 2, 1954. Records available: 1950-62. Measurement discontinued.

Jan. 31, 1958	12.80	Apr. 13, 1959	13.46	June 1, 1960	12.55	Sept. 29, 1961	13.66
Apr. 10	9.67	May 20	14.09	Sept. 14	11.57	Oct. 31	14.08
June 3	11.19	Aug. 4	14.96	Nov. 7	13.40	Dec. 28	12.92
July 31	12.35	Oct. 2	15.22	Mar. 3, 1961	12.21	Feb. 1, 1962	13.93
Oct. 3	12.77	Nov. 19	14.89	Apr. 28	11.85	Mar. 1	12.71
Dec. 9	13.46	Feb. 2, 1960	13.58	June 30	13.06	Apr. 27	12.92
Feb. 2, 1959	13.90	Apr. 1	13.29	Sept. 11	13.70		

Ca55-2. City of Newark. Academy St. and Waterworks Lane. Lat 39°40', long 75°45'. Drilled unused artesian well in Patuxent Formation of Lower Cretaceous age, diam 8 in, depth 70 ft, screened 50-70 (?). Lsd 107 ft above msl. MP top of recorder platform, 110.04 ft above msl (since Jan. 4, 1960). Highest water level 87.21 above msl, Apr. 29, 1952; lowest 67.30 above msl, Dec. 7, 1961. Records available: 1950-62. Measurement discontinued. Water levels affected by pumping. Jan. 5, 1962, 75.74.

Lowest water level for the day, above msl, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	74.16	74.19	74.05	73.95	72.32	71.46	70.92
10	73.03	.....	74.17	.....	.....	.....	.....	71.43	70.78
15	e73.93	74.39	74.63	.....	73.41	.....	70.99	.....
20	74.36	.....	72.59	.....	72.69	70.59
25	74.01	74.96	74.40	.....	.....	.....	71.95	71.24
Eom	71.22	.....	.....	.....	74.17	74.90	73.85	.....	72.38	.....	71.30	71.60

1959

5	71.83	71.54	70.96	71.58	.....	70.03	.....	69.22	69.46	68.37	.....	68.22
10	74.12	71.44	.....	71.52	71.00	.....	68.79	69.29	69.15	.....	.....	e68.37
15	.....	.....	70.90	71.37	.....	.....	.....	69.50	69.33	.....	.....	68.30
20	.....	71.01	70.78	71.22	70.60	69.98	.....	69.12	69.05	68.39	68.10	68.20
25	71.21	73.76	70.71	71.31	70.03	.....	69.16	69.42	68.64	.....	68.18	68.42
Eom	71.13	73.16	.....	.....	69.56	69.20	69.21	69.15	68.30	68.47	.....	68.84

1960

5	69.92	69.13	.....	70.64	69.57	69.59	69.28	68.62	69.10	68.54	.....	.....
10	69.76	69.10	69.48	71.15	69.68	69.62	68.62	69.00	.....	68.48	68.78	.....
15	69.60	69.30	69.51	69.73	69.79	69.28	68.67	69.16	.....	68.25	68.53	.....
20	69.68	69.37	69.41	69.79	69.55	69.82	69.14	69.28	68.67	68.38	68.32	.....
25	.....	69.29	.....	69.45	69.64	69.87	68.79	69.35	.....	68.51	68.41	.....
Eom	.....	69.44	69.51	.....	69.77	69.18	.....	.....	.....	68.58	.....	.....

1961

5	.....	.....	68.29	69.30	70.59	70.37	70.26	69.49	69.38	68.55	.....	67.39
10	68.92	68.84	68.69	69.65	70.68	.....	69.90	69.43	69.10	68.21	67.56	68.52
15	68.79	.....	68.75	69.73	70.74	.....	e69.78	69.42	68.91	68.13	67.68	71.36
20	.....	68.62	68.65	e69.60	70.98	70.32	69.68	69.23	68.89	68.03	67.52	72.77
25	68.82	68.49	68.97	70.56	70.80	70.24	69.40	69.37	68.57	68.13	67.67	73.74
Eom	.....	68.36	68.80	e70.80	70.60	70.16	69.70	69.92	68.68	.....	67.59	74.97

e Estimated.

Cb51-16. University of Delaware. Agricultural Experiment Station. Lat 39°40', long 75°44'. Driven observation water-table well in sand of Patuxent Formation of Lower Cretaceous age, diam 1½ in, depth 26 ft, well point 22-26. Lsd 92.6 ft above msl. MP top of casing, at lsd. Highest water level 86.10 above msl, May 1, 1952; lowest 78.78 above msl, Dec. 28, 1961. Records available: 1951-62. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	81.87	Dec. 9, 1958	81.69	Apr. 1, 1960	81.00	Mar. 2, 1961	81.66
Apr. 9	84.45	Feb. 5, 1959	81.10	22	81.73	Apr. 28	82.82
June 3	83.86	Apr. 13	81.39	June 1	81.19	June 30	81.84
July 31	82.94	May 20	80.81	20	80.80	Sept. 11	80.41
Sept. 18	82.61	Aug. 3	80.21	July 25	80.16	Oct. 31	79.23
Oct. 3	80.39	Sept. 30	79.44	Sept. 12	81.16	Dec. 28	78.78
31	81.93	Nov. 19	78.92	13	81.05	Feb. 1, 1962	79.32
Nov. 19	81.76	Feb. 2, 1960	80.17	Nov. 7	80.22	Apr. 27	82.63

Cd52-2. City of New Castle. Lat 39°40', long 75°34'. Dug unused water-table well in sand of Pleistocene age, size 12 x 13 ft, depth 23 ft, lined with brick. Lsd 9.21 ft above msl. MP hole in southwest corner of concrete manhole cover, 1.40 ft above lsd. Highest water level 4.01 above msl, Apr. 14, 1960; lowest 13.09 below msl, Aug. 1, 1950. Records available: 1950-62. Measurement discontinued. Water levels affected by pumping.

Lowest water level for the day, above and below msl, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-0.4	-5.0	-4.4	+0.3	-1.5	-4.0	-0.9	-3.4	-4.7	...	...	...
10	5.4	...	...	...	+9	-3.9	5.0	.1	4.5	...	-3.0	...
15	5.0	...	1.6	-2.3	-2.7	+1	...	4.8	3.6	-4.1	1.5	...
20	4.3	...	4.6	+1.7	-2.6	-4.6	...	3.9	.5	2.9	4.8	-2.1
25	2.1	...	3.4	-3.5	+1.1	4.2	e4.2	e1.8	...	1.0	4.6	...
Eom	4.9	4.8	-1.5	2.9	+8	3.6	4.1	.5	...	1.1	...	e5.4

e Estimated.

Cd52-2--Continued.

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-2.4	-6.3	...	-1.2	-5.0	-5.9	-4.1	-6.0	...	-5.1	-3.7	-3.0
10	6.4	5.6	...	5.4	1.2	5.8	...	5.3	-5.7	4.0	...	...
15	...	2.3	-1.5	5.0	5.4	6.2	7.5	3.9	5.3	7.4	2.5	...
20	...	...	...	4.2	5.3	...	6.5	7.4	1.9	6.2	6.5	-1.9
25	...	...	...	1.7	4.3	8.2	3.5	5.2	6.1	3.2	...	...
Eom	3.1	...	5.2	5.3	1.6	7.8	6.6	7.7	5.9	3.8	6.2	...
1960												
5	...	-3.89	+0.61	+3.41	...	...	...	...	...	...	...	...
10	+0.36	3.23	...	3.83	...	...	...	...	...	...	...	...
15	-1.44	2.56	2.43	3.84	...	...	...	...	...	...	...	...
20	e3.44	.43	2.84	1.38	...	...	...	...	...	...	...	...
25	-2.66	3.69	.45	...	...	...	...	...	...	...	...	...
Eom	+.27	-2.52	.36	...	...	...	...	...	...	...	...	...
1961												
5	...	...	...	...	+3.35	-0.77	...	...	-1.46	+0.28	+0.61	+0.80
10	...	...	...	...	3.45	...	...	...	.85	.31	.67	.78
15	...	...	...	...	3.35	...	...	...	.40	.40	.75	.78
20	...	...	...	...	+2.92	...	...	-5.29	-.19	.48	...	.82
25	...	...	...	...	-1.00	-5.47	...	2.27	+.10	.54	.71	1.02
Eom	...	...	...	...	+.02	+.45	...	e3.21	.16	.66	.70	e1.10
1962												
5	+1.03	+0.85	+0.61	+1.21	+2.39	-0.72	...	...	...	...	...	...
10	1.01	.64	.41	2.23	...	.03	...	...	...	...	...	...
15	...	.50	.93	2.93	...	-.41	...	...	...	...	...	...
20	1.26	.41	1.14	2.36	...	+.45	...	...	...	...	...	...
25	.84	.36	1.36	.46	...	...	...	...	...	...	...	...
Eom	.69	.28	1.73	1.23	...	...	...	...	...	...	...	...

e Estimated.

Db24-10. State Highway Dept. Near Ogetown. Lat 39°39', long 75°42'. Bored observation water-table well in sand of Pleistocene age, diam 1 in, depth 24 ft, well point 21-24. Lsd about 77 ft above msl. MP top of casing, at lsd. Highest water level 4.88 below lsd, May 12, 1958; lowest 14.95 below lsd, Dec. 28, 1962. Records available: 1957-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 14, 1957	13.93	Oct. 3, 1958	10.56	Nov. 19, 1959	13.25	Mar. 1, 1962	11.46
Nov. 6	14.21	16	10.86	Apr. 22, 1960	8.38	Aug. 24	13.15
Feb. 12, 1958	9.58	31	11.08	Nov. 7	11.30	Sept. 11	13.67
Apr. 7	5.08	Nov. 19	11.18	Apr. 28, 1961	6.79	Oct. 9	14.42
May 12	4.88	Jan. 2, 1959	11.75	Oct. 17	13.26	Dec. 6	14.46
Sept. 5	9.63	Apr. 29	11.14	Feb. 1, 1962	13.87	28	14.95
19	10.18	Sept. 30	12.31				

Ea44-2. U. S. Army, Corps of Engineers. Chesapeake and Delaware Canal, near Bethel, Maryland. Lat 39°32', long 75°47'. Drilled observation artesian well in nonmarine cretaceous sediments, diam 6 in, depth 132 ft, screened 122-132. Lsd 42.9 ft above msl. MP top of casing, 2.50 ft above lsd. Highest water level 4.36 above msl, June 28, 1957; lowest 0.58 above msl, Jan. 31, 1956. Records available: 1956-62. Measurement discontinued.

Lowest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	...	1.39	1.48	1.70	1.58	1.58	1.81	...	1.84	1.71	2.06	1.67
10	...	1.50	.91	...	1.96	2.09	1.84	...	...	1.14	1.64	1.69
15	...	1.63	1.28	...	1.90	1.66	1.30	...	...	1.73	1.64	1.95
20	...	1.56	1.44	...	1.36	2.15	1.94	...	1.97	2.23	1.84	1.67
25	...	1.71	.73	...	1.70	1.78	1.60	...	1.62	1.58	1.58	1.81
Eom	0.58	.93	1.66	.96	1.49	...	1.75	...	2.06	2.28	1.52	1.07
1957												
5	0.91	...	...	...	1.72	1.95	1.80	...	1.38	2.08	...	1.70
10	1.09	1.54	...	1.71	1.50	2.05	1.09	1.63	...	1.66	...	1.75
15	.87	2.31	1.96	1.40	1.84	1.71	1.51	1.93	...	1.69	...	...
20	.96	1.47	2.19	1.84	2.16	1.33	1.81	2.00	2.06	...	1.91	...
25	...	...	1.75	1.73	...	2.06	1.66	1.92	1.76	...	1.41	...
Eom	...	2.29	1.49	1.67	...	1.79	1.83	1.60	1.61	...	1.76	...

Ea44-2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1958	1.70	Oct. 3, 1958	2.31	Nov. 19, 1959	1.60	Apr. 27, 1961	3.88
31	2.36	Dec. 9	2.97	Feb. 2, 1960	3.05	June 29	2.61
Feb. 15	2.18	Mar. 10, 1959	2.05	June 2	2.45	Sept. 11	2.51
28	2.54	May 20	3.12	July 25	2.20	Dec. 29	1.52
June 1	2.93	Aug. 3	3.28	Nov. 7	2.13	Jan. 31, 1962	1.12
July 1	3.00	Sept. 29	3.48				

Ea44-3. U. S. Army, Corps of Engineers. Chesapeake and Delaware Canal, near Bethel, Maryland. Lat 39°32', long 75°47'. Drilled observation artesian well in nonmarine Cretaceous sediments, diam 6 in, depth 142 ft, screened 115-142. Lsd 43.7 ft above msl. MP top of recorder platform, 3.20 ft above lsd. Highest water level 5.48 above msl, Oct. 24, 1959; lowest 1.76 above msl, Jan. 31, 1962. Records available: 1956-62. Measurement discontinued.

Jan. 14, 1956	4.70	Nov. 30, 1956	3.76	Oct. 3, 1958	4.18	Feb. 20, 1960	2.63
18	3.02	Jan. 4, 1957	3.43	Nov. 25	3.30	Mar. 4	3.07
27	3.14	Feb. 6	4.30	Dec. 2	3.24	June 4	4.30
Mar. 9	3.14	28	3.93	31	4.10	July 1	3.74
Apr. 2	3.68	May 2	3.88	Jan. 5, 1959	2.38	Aug. 1	3.71
30	3.87	June 4	3.73	Apr. 10	3.60	26	4.23
May 24	3.16	July 2	3.36	May 21	3.29	Apr. 30, 1961	3.85
July 2	3.88	Sept. 16	3.84	Aug. 5	3.83	May 29	3.48
17	4.23	Nov. 7	4.03	Sept. 30	5.06	June 30	3.90
Aug. 3	3.53	Jan. 27, 1968	4.07	Oct. 24	5.48	July 31	4.14
Sept. 4	4.28	June 3	4.38	Nov. 26	3.80	Dec. 29	3.52
26	3.25	Aug. 16	4.19	Dec. 19	3.56	Jan. 31, 1962	1.76
Nov. 3	4.87	Sept. 2	4.00	Feb. 3, 1960	3.58		

Ec15-5. Governor Bacon Health Center. Lat 39°34', long 75°35'. Drilled unused artesian well in sand of Magothy Formation of Upper Cretaceous age, diam 6 in, depth 157 ft, cased to 157. Lsd about 15 ft above msl. MP top of casing, 1.40 ft above lsd. Highest water level 12.46 below lsd, Dec. 2, 1961; lowest 68.0 below lsd, Oct. 10, 1957. Records available: 1952-62. Measurement discontinued. Water level affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	41.4	63.4	34.7	43.5	e35	37.2	44.7	e36	e33	41.8	42.0	e42
10	43.1	....	....	47.7	29.9	28.0	48.5	....	e34	42.3	....	....
15	58.2	53.8	51.3	45.9	e35	39.8	....	....	....	45.9	41.4	37.3
20	63.5	....	51.0	41.7	e36	41.5	e35	....	....	38.3	....	45.6
25	38.7	53.5	53.1	24.3	37.6	44.2	41.4	....	....	37.2	37.6	46.6
Eom	59.3	46.3	52.7	30.6	35.9	....	e35	e33	....	39.1	....	44.5

1959

5	35.2	39.6	34.9	40.5	34.7	32.7	39.0	37.9	37.1	....	e33.2	37.2
10	44.2	39.0	36.4	35.2	41.1	43.6	37.1	33.2	e37.4	....	....	43.3
15	43.5	35.1	40.4	43.3	32.4	36.5	36.7	36.1	e35.8	....	....	33.0
20	38.7	37.1	40.1	34.0	42.8	37.4	32.4	e33.3	41.6	....	43.0	....
25	37.9	45.3	37.5	....	37.9	37.7	26.2	....	e35.5	46.1	e44.9	....
Eom	34.1	44.1	37.0	31.0	31.0	30.4	31.1	35.3	39.9	32.8	....	32.5

1960

5	30.3	31.8	32.5	24.1	39.6	38.1	35.8	33.7	35.8	26.6	31.9	....
10	35.6	40.3	36.3	29.4	37.0	40.3	24.7	34.6	29.5	....	....	....
15	34.2	31.3	29.4	35.2	35.6	41.1	31.7	....	....	34.4	....	....
20	40.6	37.3	31.5	....	28.0	34.8	....	40.0	27.1	25.4	23.3	....
25	32.1	....	25.3	31.7	31.5	36.2	e32.4	....	....	20.4	21.5	....
Eom	38.2	24.9	23.4	35.2	....	42.5	32.9	31.0	35.1	32.2	....	....

1961

5	....	....	31.94	32.60	16.91	26.96	22.75	24.42	21.10	24.72	e21.90	....
10	....	....	32.85	29.51	25.10	21.90	21.08	22.21	25.80	20.36	e27.80	29.34
15	....	....	23.81	23.30	26.31	23.25	21.40	22.05	28.05	25.80	....	29.70
20	....	....	29.60	28.75	23.95	21.68	22.58	24.00	30.42	....	....	28.12
25	....	....	e26.70	28.18	23.37	26.94	21.51	21.32	27.02	e24.90	21.65	....
Eom	....	....	27.15	26.76	26.81	21.71	....	24.41	24.32	e24.20	27.91	29.23

1962

5	....	....	22.05	32.48	....	26.78	....	....	....	....	....	....
10	29.86	26.61	22.59	25.81	28.65	30.95	....	....	....	....	....	....
15	28.78	....	21.50	30.60	26.25	23.05	....	....	....	....	....	....
20	28.72	26.90	23.56	....	....	26.02	....	....	....	....	....	....
25	23.85	26.34	24.71	28.51	26.18	....	....	....	....	....	....	....
Eom	....	....	27.84	26.30	34.61	....	....	....	....	....	....	....

e Estimated.

Ec42-1. State Highway Dept. Near St. Georges. Lat 39°31', long 75°39'. Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 11 ft, well point 9-11. Lsd 31.0 ft above msl. MP top of casing, at lsd. Highest water level 0.60 below lsd, May 1, 1952; lowest 4.59 below lsd, Jan. 3, 1956. Records available: 1950-62. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	2.69	Nov. 19, 1958	1.60	Feb. 1, 1960	2.54	Apr. 26, 1961	1.04
Apr. 7	.90	Dec. 8	1.66	Mar. 31	2.13	June 29	1.41
May 12	.79	Jan. 2, 1959	1.56	Apr. 22	1.93	Sept. 11	1.85
June 4	.95	Feb. 5	1.78	May 31	1.89	29	2.03
Aug. 1	1.21	Apr. 9	1.99	July 21	2.52	Oct. 30	2.14
Sept. 5	1.30	May 20	2.49	Sept. 14	1.71	Dec. 29	2.20
26	1.35	Aug. 3	2.89	26	2.02	Jan. 31, 1962	2.37
Oct. 3	1.22	Sept. 29	3.07	Nov. 7	2.25	Mar. 1	1.65
16	1.55	Nov. 19	3.16	Mar. 2, 1961	1.24	Apr. 27	1.55
31	1.55						

Gc52-1. State Highway Dept. Near Blackbird. Lat 39°21', long 75°38'. Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 10 ft, well point 8-10. Lsd about 40 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 0.42 above lsd, Nov. 2, 1956; lowest 3.91 below lsd, July 29, 1954. Records available: 1950-62. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1958	+0.02	Nov. 19, 1958	-1.58	Feb. 1, 1960	-1.57	Apr. 26, 1961	-1.21
Apr. 7	+0.03	Dec. 8	1.71	Mar. 31	1.38	June 29	2.04
May 12	-.35	Jan. 2, 1959	.66	Apr. 22	1.86	Sept. 11	2.65
June 4	1.81	Feb. 4	1.36	May 31	1.73	29	2.77
Aug. 1	2.67	Apr. 9	1.62	July 21	2.90	Oct. 30	2.52
Sept. 23	2.34	May 20	2.32	Sept. 14	.31	Dec. 29	1.34
Oct. 3	1.68	Aug. 3	2.80	26	1.19	Jan. 31, 1962	1.79
16	2.35	Sept. 29	3.27	Nov. 8	1.46	Mar. 1	.27
31	1.57	Nov. 18	2.30	Mar. 2, 1961	.02	Apr. 27	1.61

Hb14-1. State Highway Dept. At Prices Corners. Lat 39°20', long 75°41'. Bored observation water-table well in sand of Pleistocene age, diam 1 in, depth 19 ft, well point 16-19 ft. Lsd about 72 ft above msl. MP top of casing, at lsd. Highest water level 1.49 below lsd, Apr. 7, 1958; lowest 9.74 below lsd, Dec. 26, 1962. Records available: 1957-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 23, 1957	9.04	Sept. 19, 1958	6.33	Apr. 10, 1959	6.47	Oct. 17, 1961	8.19
Nov. 5	8.90	Oct. 3	6.60	May 20	6.91	Aug. 24, 1962	8.20
Feb. 12, 1958	4.46	16	6.92	Sept. 29	9.13	Sept. 13	8.84
Apr. 7	1.49	31	6.82	Nov. 18	9.64	Oct. 10	9.33
May 12	2.16	Nov. 19	6.54	Apr. 22, 1960	6.24	Nov. 28	9.58
Sept. 5	5.74	Jan. 2, 1959	6.69	Apr. 26, 1961	3.47	Dec. 26	9.74

Sussex County

Me15-22. Formerly Me 57. J. H. Prettyman. Milford. Lat 38°55', long 79°55'. Jetted unused artesian well in Frederica aquifer of Miocene age, diam 6 in, depth 206 ft, screened at bottom (?). Lsd about 20 ft above msl. MP top of casing in concrete platform, at lsd. Highest water level 15.52 below lsd, Apr. 28, 1961; lowest 20.95 below lsd, Oct. 30, 1961. Records available: 1952-62. Measurement discontinued. Water level affected by pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1958	17.82	Feb. 4, 1959	19.47	Mar. 31, 1960	16.37	Sept. 12, 1961	22.78
Apr. 9	16.26	Apr. 9	20.04	May 31	17.04	Oct. 30	20.95
June 4	c19.68	May 22	20.03	July 21	18.73	Dec. 29	20.50
Aug. 1	c18.80	Aug. 3	c21.65	Mar. 2, 1961	15.70	Jan. 31, 1962	19.53
Oct. 2	c20.50	Sept. 30	c21.20	Apr. 28	15.52	Apr. 3	18.49
Dec. 8	18.97	Feb. 1, 1960	17.11	June 29	19.77		

c Nearly well being pumped.

Mf22-2. Formerly Mf 3. State Highway Dept. Near Milford. Lat 38°53', long 75°23'. Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 26 ft, well point 23-26. Lsd about 40 ft above msl. MP top of casing, at lsd (since December 1958). Highest water level 13.07 below lsd, Apr. 9, 1958; lowest 22.62 below lsd, Aug. 3, 1956. Records available: 1950-62. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1958	17.92	Aug. 3, 1959	16.15	July 21, 1960	18.60	June 29, 1961	16.60
Apr. 9	13.07	Sept. 29	17.30	Sept. 14	19.11	Sept. 12	18.52
June 4	13.44	Nov. 17	18.70	26	18.65	29	18.91
Sept. 8	13.27	Feb. 1, 1960	18.02	Oct. 18	18.58	Oct. 30	19.33
Dec. 8	15.68	Mar. 31	17.09	Nov. 7	18.96	Dec. 29	19.68
Feb. 4, 1959	16.98	Apr. 22	16.53	Mar. 2, 1961	16.79	Jan. 31, 1962	18.09
Apr. 9	17.79	May 31	17.23	Apr. 26	14.90	Apr. 3	17.05
May 22	17.93						

Nc45-1. Formerly Nc 6. P. H. Cannon. Near Greenwood. Lat 38°46', long 75°35'.

Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 15 ft, screened 14-15. Lsd about 43 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 6.67 below lsd, Jan. 30, 1952; lowest 12.70 below lsd, Oct. 15, 1962. Records available: 1950-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1958	7.35	Aug. 3, 1959	8.68	Sept. 26, 1960	7.83	Oct. 30, 1961	11.24
Apr. 9	6.82	Sept. 28	9.24	Oct. 10	8.53	Dec. 29	10.52
June 4	8.60	Nov. 18	8.43	Nov. 8	8.46	Jan. 31, 1962	9.94
Aug. 1	8.22	Feb. 1, 1960	8.37	Mar. 2, 1961	7.78	Apr. 2	9.43
Oct. 2	8.59	Mar. 31	7.97	Apr. 26	9.23	Aug. 24	12.17
Dec. 8	9.08	Apr. 22	8.00	June 29	10.59	Sept. 14	12.45
Feb. 5, 1959	8.86	May 31	8.90	Sept. 12	11.76	Oct. 15	12.70
Apr. 9	8.55	July 21	9.51	29	12.04	Nov. 13	12.44
May 22	9.11	Sept. 14	7.34				

Ne34-1. Formerly Ne 1. State Highway Dept. Ellendale Swamp. Lat 38°47', long 75°26'.

Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 14 ft, screened 11-14. Lsd about 50 ft above msl. MP top of casing, at lsd (since December 1958). Highest water level 0.27 below lsd, Mar. 2, 1961; lowest 6.23 below lsd, Oct. 31, 1950. Records available: 1950-61. Measurement discontinued.

Jan. 27, 1958	1.29	Aug. 3, 1959	0.49	May 31, 1960	0.36	Mar. 2, 1961	0.27
Apr. 9	1.19	Sept. 29	2.67	July 21	.97	Apr. 26	.70
June 4	2.21	Nov. 17	.73	Sept. 14	.33	June 29	.39
Aug. 1	1.95	Feb. 1, 1960	.43	26	.48	Sept. 11	.87
Feb. 5, 1959	1.69	Mar. 31	.31	Oct. 14	.53	29	.38
Apr. 9	.49	Apr. 22	.49	Nov. 8	.38	Oct. 30	.50
May 22	.77						

Ng11-1. State Highway Dept. Near Jefferson Crossroads. Lat 38°50', long 75°20'. Bored

observation water-table well in sand of Pleistocene age, diam 1 in, depth 19 ft, well point 16-19. Lsd 24 ft above msl. MP top of casing, at lsd. Highest water level 9.24 below lsd, Apr. 27, 1961; lowest 13.62 below lsd, Nov. 20, 1962. Records available: 1959-62.

Sept. 29, 1959	12.00	Oct. 24, 1960	11.89	May 24, 1961	9.48	Sept. 25, 1962	12.90
Nov. 17	12.99	Nov. 7	12.04	Oct. 17	12.42	Oct. 16	13.33
Apr. 21, 1960	10.45	Apr. 27, 1961	9.24	Aug. 24, 1962	12.31	Nov. 20	13.62
Sept. 23	11.39	May 8	9.59				

Ni51-3. Formerly Ni 3. City of Lewes. Lat 38°45', long 75°09'. Drilled observation

artesian well in sand of Pleistocene age, diam 6 in, depth 84 ft, screened at bottom (?). Lsd about 20 ft above msl. MP hole in recorder platform, 2.34 ft above lsd. Highest water level 13.94 below lsd, May 1, 1953; lowest 21.74 below lsd, Sept. 25, 1947. Records available: 1947-48, 1950-61. Measurement discontinued. Water level affected by pumping.

June 5, 1958	15.42	Aug. 3, 1959	16.44	Apr. 22, 1960	17.47	June 30, 1961	17.02
Oct. 5	16.20	Sept. 30	18.10	June 2	17.71	Sept. 6	17.32
Dec. 10	17.35	Nov. 17	16.51	July 21	17.49	30	18.63
Feb. 4, 1959	17.43	Feb. 1, 1960	17.25	Mar. 2, 1961	15.90	Oct. 31	17.46
Apr. 9	15.45	Apr. 2	18.03	May 9	14.58	Dec. 29	16.40
May 22	18.01						

Of52-2. State Highway Dept. Georgetown. Lat 38°41', long 75°24'. Bored observation

water-table well in sand of Pleistocene age, diam 1 in, depth 17 ft, well point 15-17. Lsd about 49 ft above msl. MP top of casing, at lsd. Highest water level 1.49 below lsd, Apr. 2, 1962; lowest 7.49 below lsd, Nov. 20, 1962. Records available: 1959-62.

Sept. 29, 1959	5.24	Oct. 18, 1960	4.15	May 24, 1961	2.11	Sept. 25, 1962	6.75
Nov. 17	5.49	Nov. 7	2.78	Oct. 17	6.02	Oct. 16	7.48
Apr. 21, 1960	2.38	Apr. 27, 1961	2.22	Apr. 2, 1962	1.49	Nov. 20	7.49
Sept. 23	2.71	May 12	1.60	Aug. 24	6.24		

Pg51-1. Formerly Pg 4. State Highway Dept. Near Millsboro. Lat 38°36', long 75°19'.

Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 22 ft, well point 21-22. Lsd about 30 ft above msl. MP top of casing, at lsd. Highest water level 11.87 below lsd, Apr. 9, 1958; lowest 17.85 below lsd, Aug. 14, 1957. Records available: 1950-62. Measurement discontinued.

Jan. 27, 1958	14.77	May 22, 1959	14.48	May 31, 1960	14.53	Apr. 26, 1961	13.40
Apr. 9	11.87	Aug. 3	14.95	July 21	14.78	June 29	13.99
June 4	12.79	Sept. 28	15.43	Sept. 14	14.86	Sept. 12	15.21
Aug. 5	14.52	Nov. 17	15.52	26	14.34	29	15.33
Oct. 2	14.09	Feb. 1, 1960	14.69	Oct. 27	14.66	Oct. 30	15.02
Dec. 8	14.95	Mar. 31	14.37	Nov. 7	14.62	Dec. 29	14.91
Feb. 4, 1959	15.37	Apr. 22	13.95	Mar. 2, 1961	13.37	Jan. 31, 1962	13.57
Apr. 9	14.63						

Qc24-4. Formerly Qc 4. State Highway Dept. Near Laurel. Lat 38°33', long 75°36'. Driven observation water-table well in sand of Pleistocene age, diam 1 in, depth 8 ft, well point 7-8. Lsd about 15 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 0.20 above lsd, Apr. 9, 1958; lowest 3.04 below lsd, Oct. 2, 1951. Records available: 1950-62. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1958	-0.95	May 22, 1959	-1.57	May 31, 1960	-1.42	Jun. 29, 1961	-1.31
Apr. 9	+.20	Aug. 3	1.26	July 21	2.13	Sep. 12	2.31
June 4	-.22	Sept. 29	1.89	Sept. 14	1.56	29	2.50
Aug. 5	1.19	Nov. 18	2.30	26	1.40	Oct. 30	2.43
Oct. 2	1.36	Feb. 1, 1960	1.12	Nov. 8	1.69	Dec. 29	2.36
Dec. 8	1.84	Mar. 31	.79	Mar. 2, 1961	.12	Jan 31, 1962	1.29
Feb. 5, 1959	1.59	Apr. 21	.95	Apr. 26	.52	Apr. 2	.48
Apr. 9	1.56						

Qe44-1. State Highway Dept. Near Whaleys Crossroads. Lat 38°32', long 75°24'. Bored observation water-table well in sand of Pleistocene age, diam 1 in, depth 25 ft, well point 22-25. Lsd about 50 ft above msl. MP top of casing, at lsd. Highest water level 6.48 below lsd, Jan. 7, 1961; lowest 12.18 below lsd, Oct. 16, 1962. Records available: 1959-62.

Sept. 30, 1959	10.52	Oct. 7, 1960	8.82	May 24, 1961	7.00	Sep. 18, 1962	11.99
Nov. 17	9.98	Jan. 7, 1961	6.48	Oct. 17	10.37	Oct. 16	12.18
Apr. 21, 1960	7.06	Apr. 27	6.90	Aug. 24, 1962	11.29	Nov. 19	11.32
Sept. 23	8.29						

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INDIANA

By L. J. Vig, J. D. Hunn, R. J. Southwood, and L. W. Cable

The observation-well program in Indiana was continued during the period 1958 through 1962 in cooperation with the Indiana Department of Conservation, Division of Water Resources. Figure 4 shows the location of observation wells included in this report.

Well-Numbering System

Wells are designated by abbreviations derived from county names and by serial numbers. For example, Ma 10 is observation well 10 in Marion County.

Well Descriptions and Water-Level Measurements

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

Allen County

A1 3. City of Fort Wayne. Lawton Park, Clinton and East 4th Sts. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 31 N., R. 12 E. Drilled unused artesian well in limestone, diam 8 in, reported depth 400 ft. Lsd about 755 ft above msl. MP edge of flange on casing, 1.20 ft above lsd. Highest water level 4.16 below lsd, Feb. 14, 1959; lowest 13.11 below lsd, Jan. 5, 6, 1962. Records available: 1944-62.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.63	9.57	9.70	9.86	9.86	10.07	9.01	9.07	9.61	9.93	10.31	9.84
10	8.80	9.70	9.69	9.79	9.76	9.89	9.08	9.14	9.67	10.03	10.38	9.98
15	9.07	9.78	9.77	9.75	9.85	9.28	8.61	8.91	9.78	10.13	10.39	10.02
20	9.23	9.91	9.85	9.74	9.90	8.92	8.61	8.95	9.75	10.18	10.13	10.11
25	9.27	9.90	9.91	9.85	9.95	8.81	8.66	9.09	9.73	10.25	9.90	10.18
Eom	9.47	9.79	9.96	9.90	10.02	8.86	8.83	9.38	9.82	10.31	9.83	10.22

1959

5	10.22	9.41	....	....	4.76	8.74	9.42	....	10.46	....	10.41	10.15
10	10.27	8.25	....	....	5.46	8.89	9.64	....	10.55	10.65	10.35	10.24
15	10.25	4.22	....	7.72	5.84	9.06	9.77	....	10.63	10.50	10.20	9.94
20	10.29	....	....	8.00	8.04	9.29	9.85	....	10.79	10.48	10.08	9.91
25	9.81	6.69	....	8.27	8.32	9.44	9.95	10.33	10.90	10.45	10.02	9.93
Eom	9.49	7.07	....	....	8.51	9.31	10.02	10.40	(k)	10.50	10.13	9.79

1960

5	9.71	9.17	9.12	8.90	9.29	9.41	8.99	9.76	10.23	10.63	10.84	10.84
10	9.74	8.83	9.29	9.04	9.34	9.45	9.15	9.84	10.30	10.68	10.86	10.87
15	9.27	8.43	9.39	9.20	9.45	8.79	9.30	9.93	10.45	10.77	10.80	10.85
20	8.98	8.59	9.46	9.01	9.51	8.64	9.46	10.01	10.47	10.79	10.84	10.88
25	9.00	8.70	9.55	8.98	9.59	8.72	9.62	10.09	10.62	10.78	10.82	10.85
Eom	9.16	8.93	9.18	9.12	9.51	8.86	9.81	10.18	10.63	10.76	10.84	10.86

1961

5	10.90	11.01	10.45	8.92	(k)	9.30	(k)	(k)	9.87	....	12.17	12.66
10	10.92	11.03	10.23	9.03	....	9.42	....	9.70	9.95	10.39	12.31	12.73
15	10.91	11.03	9.70	9.07	....	9.50	....	9.76	9.91	10.92	12.46	12.84
20	10.94	10.90	9.32	8.58	....	9.48	9.82	9.82	9.92	11.34	12.45	12.90
25	10.97	10.73	8.82	7.85	....	9.52	9.80	(k)	9.78	11.68	12.51	12.97
Eom	10.99	10.63	8.71	5.99	(k)	9.61	....	9.86	9.76	11.97	12.57	13.05

e Estimated.

k Other measurements available near this date.



Figure 4. -- Location of observation wells in Indiana, 1958-62.

A1 3--Continued.

1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.10	.....	12.45	11.46	10.70	10.15	9.90	10.07	10.30	10.48	10.35	10.38
10	.....	h12.39	12.37	11.30	10.58	10.00	9.91	10.11	.....	10.47	10.35	10.42
15	.....	.....	e12.21	11.12	10.52	9.92	9.95	10.14	.....	10.50	10.40	10.46
20	h12.89	12.72	12.13	11.01	e10.42	9.90	9.99	10.13	.....	10.45	10.35	10.58
25	12.77	.....	11.86	10.93	.....	9.91	9.95	.....	10.41	10.43	10.44	10.59
Eom	.....	.....	11.62	10.84	10.24	9.96	10.01	h10.26	10.46	10.37	10.44	10.67

e Estimated.

h Tape measurement.

Blackford County

Bf 1. Robert Wearly. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 23 N., R. 10 E. Dug unused water-table well in glacial drift, diam 4 ft, depth 18 ft, cribbed with brick. On May 5, 1955 a 4-in steel casing was set to a depth of 18 ft and the well was backfilled with 2-in gravel. Lsd about 921 ft above msl. MP top of 4-in cap at $\frac{1}{2}$ -in hole, 0.62 ft below lsd. Highest water level 0.69 below lsd, Feb. 9, 1952; lowest 9.37 below lsd, Jan. 16, 1954. Records available: 1945-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1958	1.73	June 30, 1959	4.02	June 28, 1960	4.32	Aug. 2, 1961	2.32
10	3.81	July 7	4.52	July 19	2.72	9	3.22
16	3.63	14	4.92	26	2.12	15	3.52
23	3.53	20	5.52	Aug. 2	2.12	24	3.02
30	3.46	28	4.02	10	2.32	31	4.02
Feb. 6	3.38	Aug. 3	4.42	16	3.32	Sept. 22	2.72
13	3.43	11	4.82	23	3.02	29	3.22
20	3.37	18	4.87	30	3.52	Oct. 3	2.92
27	3.40	25	5.02	Sept. 7	3.12	10	4.42
Mar. 6	4.16	Sept. 1	4.92	13	3.92	17	3.92
13	4.16	9	4.92	20	2.82	24	4.22
20	3.38	15	5.22	27	4.12	Nov. 1	3.22
27	2.98	22	5.72	Oct. 3	2.42	7	3.52
Apr. 3	3.63	29	5.52	12	4.12	16	2.12
10	2.31	Oct. 8	5.52	18	3.22	23	2.72
17	2.94	22	5.22	25	4.12	30	3.22
24	3.17	26	5.22	Nov. 2	2.72	Dec. 6	2.32
May 2	2.20	Nov. 3	5.52	8	2.82	13	2.12
9	2.40	10	4.80	15	3.72	20	3.22
23	2.97	17	3.92	22	4.02	27	3.22
30	3.96	20	5.52	29	3.12	Jan. 3, 1962	3.52
June 6	3.86	Dec. 10	3.92	Dec. 7	2.12	10	3.32
13	1.62	16	2.02	14	4.22	22	1.82
20	1.83	23	3.12	28	4.82	Feb. 20	3.42
27	3.37	29	2.50	Jan. 5, 1961	5.02	27	2.32
July 5	3.20	Jan. 5, 1960	2.72	10	4.12	Mar. 5	2.82
12	2.38	12	1.72	17	4.52	12	2.02
19	2.88	19	1.52	25	4.92	24	1.92
26	3.72	26	3.72	31	5.12	Apr. 4	3.12
Aug. 2	3.20	Feb. 2	1.72	Feb. 7	5.32	June 2	3.22
9	2.77	9	1.52	14	2.12	13	2.42
16	2.06	16	2.92	21	2.32	21	4.12
30	4.42	23	4.52	Mar. 1	2.12	26	3.12
Sept. 6	4.62	Mar. 3	4.22	7	2.32	Aug. 31	3.12
13	4.81	15	4.82	15	2.12	Sept. 6	2.72
20	3.45	23	1.52	22	1.92	11	3.12
27	3.78	30	1.52	Apr. 25	1.82	20	4.22
Jan. 28, 1959	4.27	Apr. 5	1.72	May 2	2.42	27	4.52
Apr. 13	2.19	12	2.82	9	1.92	Oct. 4	2.32
21	2.35	20	2.52	16	2.42	9	2.32
28	1.62	28	3.42	24	3.32	16	4.42
May 5	3.12	May 3	3.42	31	3.52	26	2.52
12	3.42	10	2.12	June 7	2.22	Nov. 1	4.42
20	4.17	16	2.22	14	2.12	9	3.52
27	3.92	24	2.52	22	2.52	15	4.42
June 2	4.02	June 1	2.32	July 5	1.82	23	4.32
9	4.42	8	3.72	15	2.32	28	4.82
16	4.52	14	1.92	25	2.32	Dec. 7	5.52
23	4.82	21	3.82				

Clark County

Cl 1. State of Indiana. Clark County State Forest. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 2 N., R. 6 E. Dug unused water-table well in shale, diam 4 ft, depth 35 ft, cribbed with store. On Oct. 7, 1955 an 8-in steel casing was set to a depth of 35 ft and the well was backfilled with 2-in crushed rock. Lsd about 680 ft above msl. MP top of recorder base at 1-in hole, 2.6⁷ ft above lsd. Highest water level 0.30 below lsd, Mar. 24, 1961; lowest 31.65 below lsd, Dec. 31, 1962. Records available: 1936-62. Measurements made by State Forest personnel.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	10.45	15.55	.....	.....	15.50	23.75	12.45	22.40	18.60	26.35	14.05
10	14.85	e9.95	.....	8.35	6.65	17.15	24.40	14.80	23.65	21.00	26.65	14.15
15	15.70	e13.60	15.70	10.10	(k)	18.85	20.00	15.15	24.65	23.00	25.55	15.65
20	(k)	.....	12.00	12.60	.....	20.50	17.95	16.00	23.80	24.25	17.95	17.65
25	(k)	17.20	e4.50	e11.65	e11.55	21.85	11.20	18.05	22.55	25.20	18.60	19.65
Eom	(k)	16.35	9.80	7.00	14.10	22.90	13.55	20.55	16.45	25.95	20.05	21.85

1959

5	17.35	12.80	8.80	7.10	17.05	19.90	25.05	26.60	27.30	27.90	28.25	28.70
10	18.80	8.25	8.40	9.95	18.70	21.40	25.50	26.70	27.45	27.90	e28.40	28.70
15	14.10	3.45	5.70	12.15	20.10	22.60	25.75	26.90	27.60	28.05	28.50	18.60
20	7.20	8.45	9.25	13.60	21.35	23.40	25.95	27.05	27.75	28.15	28.65	16.05
25	8.80	8.30	11.45	14.65	16.55	24.05	26.20	27.20	27.85	28.10	28.55	e17.35
Eom	11.50	9.50	8.90	15.75	18.40	24.55	26.40	27.25	27.85	28.25	28.65	14.55

1960

5	14.35	11.55	15.70	8.65	20.00	24.50	19.75	23.80	27.55	e28.45	28.90	29.55
10	15.40	6.75	16.90	11.35	21.00	25.35	14.05	24.95	27.80	28.55	28.95	29.60
15	11.15	10.80	18.25	14.70	21.40	15.25	e15.60	25.75	27.90	28.60	e29.10	29.60
20	10.55	12.85	13.15	.....	22.50	16.70	17.70	26.35	28.10	28.75	29.25	29.65
25	13.60	14.20	9.40	e15.95	23.55	10.50	20.10	26.80	28.25	28.80	29.35	29.75
Eom	15.15	14.80	8.25	18.20	24.20	.....	22.45	27.25	28.85	28.35	.....	29.80

1961

5	29.85	30.15	2.45	9.60	11.10	17.25	25.25	27.75	28.60	29.20	29.55	30.05
10	29.90	30.15	5.20	13.50	2.90	19.10	25.90	27.90	28.70	29.30	29.70	30.05
15	(k)	22.85	5.60	8.65	8.40	21.00	26.35	28.10	28.75	29.35	29.75	.....
20	29.90	16.95	7.45	8.30	10.40	22.00	26.80	28.30	28.90	29.40	29.80	.....
25	30.00	11.65	1.90	8.25	13.00	23.15	27.10	28.40	28.95	29.45	29.90	24.40
Eom	30.10	8.55	7.15	10.05	15.30	24.35	27.50	28.50	29.10	29.55	30.00	.....

1962

5	25.60	21.95	13.90	14.05	22.20	27.45	28.70	29.95	30.50	30.90	.....	31.35
10	h21.65	23.25	13.10	14.75	23.35	26.45	29.00	30.05	30.55	h30.88	.....	(k)
15	(k)	23.55	13.45	15.30	24.15	25.20	29.25	30.15	30.65	30.90	(k)	31.30
20	21.05	21.10	14.55	16.70	25.55	26.35	29.50	30.20	30.70	31.00	h31.24	31.40
25	19.70	16.70	14.00	18.75	26.45	27.40	29.65	30.35	30.75	31.05	31.25	31.50
Eom	e20.35	h12.21	14.30	21.05	27.50	28.20	29.85	30.45	30.75	e31.10	31.35	31.65

e Estimated.

h Tape measurement.

k Other measurements available near this date.

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. Drilled unused well in limestone, diam 6 in, depth 33 ft. Lsd about 530 ft above msl. MP top concrete pumpbase at opening, 0.30 ft above lsd. Highest water level 1.50 below lsd, May 8, 1961; lowest 18.45 below lsd, Nov. 13, 1944. Records available: 1936-37, 1942-62. Measurements made by State Forest personnel. Recorder installed Mar. 21, 1962.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	15.00	Apr. 21, 1958	12.60	Aug. 4, 1958	13.10	Nov. 24, 1958	14.35
13	14.70	28	9.70	11	14.10	8	13.20
27	15.20	May 12	9.20	18	14.00	15	14.30
Feb. 3	14.70	19	11.35	25	13.65	22	14.20
10	14.50	26	12.80	Sept. 15	14.60	29	14.70
17	15.10	June 2	14.10	22	14.30	Ja. 5, 1959	14.70
24	14.90	9	14.70	29	14.15	13	14.50
Mar. 3	14.70	16	14.40	Oct. 6	14.25	19	13.50
10	12.70	24	14.30	13	14.40	26	14.20
17	12.50	30	14.10	20	14.25	Feb. 2	14.20
24	9.80	July 7	14.60	27	14.45	9	13.10
31	12.60	14	14.20	Nov. 3	14.50	16	11.80
Apr. 7	12.95	21	12.50	10	14.70	23	12.40
14	12.60	28	12.50	17	14.70	Mar. 2	12.40

Du 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1959	12.20	Dec. 28, 1959	14.50	Oct. 3, 1960	16.80	July 17, 1961	15.60
23	12.60	Jan. 4, 1960	14.80	10	16.95	24	14.60
30	11.50	18	14.70	17	17.10	31	14.50
Apr. 6	11.60	25	15.00	24	17.10	Aug. 7	14.80
11	11.60	Feb. 1	15.20	31	17.20	14	14.30
20	12.40	8	14.20	Nov. 14	16.60	21	14.40
27	12.45	15	14.70	28	16.10	28	14.60
May 4	12.80	22	15.00	Dec. 6	15.10	Sept. 4	14.50
11	13.00	29	15.00	12	16.30	11	14.50
18	10.90	Mar. 7	14.90	19	16.20	18	14.70
June 3	11.70	14	14.90	27	16.30	25	14.80
8	12.80	21	13.70	Jan. 2, 1961	16.20	Oct. 2	14.70
15	13.70	28	13.40	9	16.10	9	15.20
22	14.50	Apr. 4	12.90	25	16.20	16	15.20
29	14.70	11	13.45	30	16.10	23	15.40
July 6	15.00	18	13.90	Feb. 6	16.10	30	14.50
13	15.40	25	12.90	13	16.10	Nov. 6	15.60
20	15.35	May 2	14.00	27	13.70	13	14.60
27	13.70	9	12.20	Mar. 6	7.90	20	14.90
Aug. 3	14.95	16	12.20	13	11.90	27	15.00
10	14.80	23	12.80	20	12.90	Dec. 4	15.00
17	13.50	31	13.00	27	13.50	11	13.90
24	14.90	June 13	13.70	Apr. 3	13.90	18	13.70
31	14.70	20	13.60	10	13.50	26	14.60
Sept. 7	15.00	27	13.80	17	12.20	Jan. 1, 1962	13.70
14	15.00	July 4	13.70	24	12.20	8	14.30
21	15.30	11	14.00	May 1	13.10	15	9.30
28	15.40	18	14.30	8	1.50	22	5.50
Oct. 5	15.30	25	14.70	15	11.30	29	13.70
12	15.20	Aug. 1	14.95	22	13.50	Feb. 5	14.90
19	15.20	8	15.20	29	14.40	12	14.70
Nov. 2	15.20	15	15.50	June 5	14.50	19	14.50
16	15.30	22	15.55	12	14.60	26	6.80
23	15.10	29	15.70	19	15.80	27	9.92
Dec. 30	15.50	Sept. 5	16.00	26	14.40	Mar. 5	13.48
7	15.50	19	16.35	July 3	13.90	12	12.77
14	15.30	26	16.70	10	14.80	19	13.62
21	14.90						

Highest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.00	13.80	13.25	(k)	15.20	14.47	15.40	15.48	15.52
10	13.84	(k)	13.88	14.70	15.41	15.18	15.43	15.50	e15.62
15	13.79	12.67	13.79	14.77	15.70	14.11	15.55	15.58	.....
20	(k)	13.75	13.79	14.32	14.89	15.87	15.12	15.50	15.43	.....
25	(k)	13.78	13.98	14.52	14.94	13.10	15.27	15.68	15.56	.....
Eom	(k)	13.72	13.90	14.71	15.06	15.68	15.33	15.52	15.57	.....

e Estimated.

k Other measurements available near this date.

Fountain County

Fo 1. Merchants & Farmers Telephone Co. Hillsboro. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 19 N., R. 7 W. Drilled unused water-table well in sandstone, diam 4 in, depth 59 ft. Lsd about 708 ft above msl. MP top of concrete floor, 0.30 ft above lsd. Highest water level 33.28 below lsd, Mar. 7, 1950; lowest 44.50 below lsd, Dec. 17, 1954. Records available: 1944-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1958	41.0	Mar. 14, 1958	40.2	May 30, 1958	41.5	Aug. 15, 1958	35.1
10	40.2	21	40.2	June 6	41.4	22	34.9
17	40.4	28	41.5	13	41.2	29	35.7
24	40.3	Apr. 4	42.7	20	40.0	Sept. 5	36.3
31	40.3	11	41.3	27	39.7	12	36.5
Feb. 7	40.2	18	41.2	July 4	39.3	19	36.7
14	40.0	25	41.1	11	38.7	26	36.7
21	40.0	May 2	41.1	18	36.4	Oct. 3	37.2
28	40.1	8	41.5	25	34.1	10	37.7
Mar. 7	40.4	16	41.5	Aug. 9	34.4	17	37.8

Fo 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 24, 1958	38.3	Nov. 7, 1959	41.3	Dec. 6, 1960	41.29	Dec. 19, 1961	40.60
31	38.7	Dec. 1	41.01	13	41.36	26	40.50
Nov. 7	39.2	8	41.06	20	41.28	Jan. 2, 1962	40.40
14	39.7	15	41.05	27	41.48	9	41.10
21	38.7	22	41.24	Jan. 3, 1961	41.45	16	41.00
28	38.7	29	41.11	10	41.30	23	40.90
Dec. 5	38.6	Jan. 5, 1960	41.10	17	41.30	30	40.70
12	38.6	12	41.11	24	41.50	Feb. 6	40.90
19	38.7	19	41.30	31	41.45	13	40.60
26	38.9	26	40.70	Feb. 7	41.40	20	40.50
Jan. 2, 1959	39.1	Feb. 2	41.30	14	41.60	27	40.30
9	39.5	9	41.10	21	41.50	Mar. 6	40.40
16	39.7	16	40.76	28	41.60	13	40.20
23	39.7	23	41.08	Mar. 7	41.45	20	39.90
30	39.5	Mar. 1	41.30	14	41.40	27	39.70
Feb. 6	39.7	8	41.10	21	41.35	Apr. 3	39.50
13	39.5	15	41.30	28	41.20	10	38.70
20	39.5	22	41.08	Apr. 4	41.35	17	38.60
27	38.2	29	41.08	11	41.10	24	38.90
Mar. 6	38.1	Apr. 5	41.09	18	41.00	May 1	38.80
13	38.1	12	41.12	25	40.80	8	38.90
20	38.1	19	41.08	May 2	40.70	15	38.80
27	37.8	26	41.09	9	40.59	22	38.60
Apr. 3	37.8	May 3	41.08	16	40.30	29	38.70
10	37.9	10	40.80	23	40.40	June 5	38.70
17	37.9	17	40.68	30	40.30	12	39.10
24	37.7	24	40.48	June 6	41.05	19	38.60
May 1	37.7	31	40.36	13	39.50	26	39.40
8	37.9	June 7	40.70	20	39.70	July 3	38.50
15	38.1	14	40.60	27	40.50	10	38.70
22	38.5	21	40.50	July 4	39.20	17	38.40
29	38.5	28	39.70	11	40.10	24	38.60
June 5	38.7	July 5	39.80	18	39.10	31	38.30
12	38.7	12	39.70	25	39.30	Aug. 7	37.70
19	38.3	19	39.80	Aug. 1	39.60	14	37.90
26	38.3	26	39.00	8	39.90	21	38.30
July 3	38.5	Aug. 2	38.80	15	40.10	28	37.90
10	39.5	9	38.90	22	40.20	Sept. 4	37.70
17	39.6	16	38.80	29	40.50	11	38.10
24	39.7	23	39.00	Sept. 5	40.50	18	38.10
31	40.0	30	39.40	12	40.70	25	38.20
Aug. 7	40.0	Sept. 6	39.50	19	40.90	Oct. 2	38.60
14	40.2	13	39.80	26	41.00	9	38.50
21	40.2	20	40.30	Oct. 3	41.10	16	38.70
28	40.4	27	40.50	10	41.20	23	39.40
Sept. 4	40.5	Oct. 4	40.75	17	41.10	30	38.70
11	41.0	11	40.90	24	41.30	Ncv. 6	38.50
18	40.9	18	41.10	31	41.00	13	38.40
25	41.1	25	41.08	Nov. 7	41.10	20	38.50
Oct. 2	41.1	Nov. 1	41.18	14	41.00	27	38.40
9	41.4	8	41.28	21	41.10	Dec. 4	38.00
16	41.2	15	41.22	28	41.10	11	38.10
23	41.2	22	41.25	Dec. 5	40.70	18	39.20
30	41.3	29	41.30	12	40.50	25	38.10

Harrison County

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. Dug unused well in rock, diam 5 ft, depth 25 ft, cribbed with stone. On July 18, 1960 a 10-in corrugated pipe was set to a depth of 25 ft and the well backfilled with 2-in crushed rock. Lsd about 840 ft above msl. MP top of pipe on north side, 1.99 ft above lsd (since July 18, 1960). Highest water level 0.61 below lsd, Feb. 27, 1962; lowest 10.64 below lsd, Jan. 5, 196¹. Records available: 1938-62. Recorder installed July 18, 1960. Measurements made by State Forest personnel.

Jan. 5, 1958	3.01	Feb. 16, 1958	3.11	Mar. 30, 1958	2.66	May 11, 1958	2.96
12	3.16	23	3.71	Apr. 6	2.61	18	4.46
19	3.01	Mar. 2	2.76	13	2.91	25	4.91
26	2.86	9	1.86	20	3.11	June 1	5.31
Feb. 2	2.66	16	2.81	27	2.16	8	5.86
9	3.01	23	3.01	May 4	2.86	15	5.36

Hr 3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 29, 1958	6.71	Jan. 5, 1959	8.26	July 8, 1959	7.31	Dec. 21, 1959	8.19
July 6	7.01	12	8.36	13	6.31	Jan. 4, 1960	3.03
13	7.16	19	6.26	20	6.61	11	3.20
20	3.01	26	2.91	27	6.81	18	2.96
27	3.26	Feb. 2	3.01	Aug. 3	6.96	25	3.15
Aug. 10	4.96	9	2.26	10	7.06	Feb. 1	3.11
24	5.86	23	2.66	18	7.26	9	2.96
31	6.21	Mar. 2	2.81	25	7.36	15	3.01
Sept. 8	6.06	9	2.78	31	7.46	23	3.01
15	6.26	16	2.91	Sept. 7	7.61	29	2.96
21	6.81	23	3.06	14	7.66	Mar. 7	3.06
Oct. 2	7.01	Apr. 1	2.06	21	7.76	14	2.98
6	7.11	6	2.96	28	7.86	21	2.91
13	7.21	13	3.06	Oct. 5	7.94	28	3.11
20	7.31	20	3.04	12	7.96	Apr. 4	2.76
27	7.36	27	3.41	20	8.01	11	3.19
Nov. 17	7.66	May 4	3.76	26	8.06	25	3.36
23	7.71	11	3.86	Nov. 2	8.16	June 13	3.51
Dec. 1	7.81	27	3.06	10	8.14	20	5.51
8	7.86	June 1	3.01	16	8.20	27	3.11
16	8.01	8	3.76	23	8.26	July 4	3.26
21	8.11	22	5.21	Dec. 1	8.36	11	5.06
29	8.16	29	5.66	14	8.38	18	6.31

Highest water level for the day, from recorder graph, 1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.47	8.40	9.02	9.42	9.76
10	7.72	8.52	9.09	9.49	9.82
15	7.88	8.61	9.18	9.54	9.84
20	6.05	7.99	8.73	9.24	9.59	9.90
25	6.60	8.11	8.85	9.30	9.64	10.00
Eom	7.15	8.27	8.94	9.33	9.70	....

1961												
5	10.15	10.63	....	....	(k)	5.29	8.28	7.08	8.68	9.37	9.79	10.10
10	10.25	10.58	....	(k)	(k)	5.85	8.46	7.74	8.83	9.48	9.87	10.12
15	10.25	10.40	....	1.57	2.31	6.51	8.37	7.92	8.94	9.56	9.95	10.18
20	....	6.91	....	2.16	2.26	7.22	4.80	8.14	9.07	9.61	10.00	3.68
25	10.47	....	....	1.03	2.92	7.82	5.74	8.33	9.17	9.67	10.06	3.17
Eom	10.53	....	....	1.24	4.41	8.08	6.48	8.53	9.28	9.74	10.09	2.72

1962												
5	....	2.31	2.25	2.24	3.15	8.02	9.07	9.45	9.65	9.78	9.88	10.00
10	2.28	1.75	(k)	2.22	3.95	8.23	9.15	9.47	h9.67	9.79	9.89	10.01
15	1.45	2.27	2.25	2.27	4.94	8.42	9.20	9.51	9.69	9.78	....	10.07
20	2.29	2.21	1.41	2.57	5.91	8.59	9.30	9.55	....	9.82	9.92	10.13
25	2.18	2.04	2.23	2.91	e6.69	8.82	9.33	9.59	9.75	9.84	9.92	(k)
Eom	2.25	1.44	1.45	3.34	7.79	8.99	9.42	9.63	9.77	9.88	10.02	e9.55

e Estimated.

h Tape measurement.

k Other measurements available near this date.

Hendricks County

Hd 1. Brocia A. and M. Smith. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 14 N., R. 1 W. Drilled unused artesian well in glacial drift, diam 4 in, depth 46 ft. Lsd about 842 ft above msl. MP top east side of casing, 0.30 ft above lsd. Highest water level 0.20 above lsd, Apr. 25, 1961; lowest 9.86 below lsd, Dec. 27, 1954. Records available: 1944-61. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1958	2.90	Apr. 9, 1958	3.62	July 1, 1958	2.76	Sept. 23, 1958	4.00
16	3.40	15	3.81	8	3.27	Oct. 1	4.40
23	3.18	23	3.95	14	3.10	7	4.60
Feb. 6	3.29	29	3.90	22	3.30	21	4.80
12	3.00	May 6	3.37	24	3.40	27	5.00
19	4.10	13	2.74	Aug. 5	2.11	Nov. 3	5.10
25	4.40	19	3.04	12	2.55	10	5.21
Mar. 5	4.53	26	3.15	19	2.87	17	4.67
11	4.56	June 3	3.68	28	3.59	24	3.28
18	4.61	10	3.88	Sept. 3	3.99	Dec. 1	2.75
26	3.98	17	2.74	10	4.14	8	2.47
Apr. 1	3.60	24	2.53	16	4.53	15	3.12

Hd 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 22, 1958	3.60	June 30, 1959	3.64	Jan. 19, 1960	1.30	Nov. 28, 1960	9.04
29	3.92	July 7	3.97	26	2.02	Jan. 26, 1961	7.04
Jan. 6, 1959	4.15	14	4.38	Feb. 10	.70	Feb 27	5.56
12	4.49	21	4.53	16	1.22	Mar. 6	2.50
19	4.40	28	4.86	23	2.03	13	1.08
27	3.99	Aug. 4	4.97	Mar. 1	2.65	20	.26
Feb. 2	3.89	11	5.13	8	2.72	27	.35
9	4.00	Sept. 1	5.46	15	3.10	Apr. 3	1.43
16	2.00	8	5.60	22	2.70	11	1.77
23	1.68	15	5.80	29	1.20	18	1.03
Mar. 2	1.40	21	5.94	Apr. 5	.70	25	+.20
10	.97	28	6.20	12	1.50	May 2	-.85
17	.50	Oct. 6	6.32	19	2.25	9	(j)
24	1.14	13	5.60	26	2.60	16	.50
30	1.45	20	5.61	May 4	2.63	23	1.63
Apr. 6	.64	27	5.56	10	2.80	30	2.49
14	1.66	Nov. 3	5.53	17	3.21	June 6	3.10
22	1.88	10	5.13	June 7	2.90	13	3.48
29	.83	17	3.92	14	2.72	21	3.91
May 6	1.20	24	3.76	21	2.70	27	4.32
12	1.60	Dec. 1	4.08	28	1.07	July 4	4.82
19	1.53	8	4.37	July 5	1.80	11	5.18
26	1.93	15	2.96	12	2.45	18	4.90
June 2	2.53	22	2.53	20	3.14	26	5.60
9	3.05	29	2.23	26	3.47	Aug. 1	5.46
16	2.75	Jan. 5, 1960	2.07	Aug. 2	3.89	15	5.30
23	3.12	12	2.29				

j Water running over top of casing.

Howard County

Ho 4. Howard L. and Earl M. Shenk. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 24 N., R. 4 E. Dug unused water-table well in till, diam 42 in, depth 19 ft. On Sept. 17, 1962 an 8-in corrugated pipe was set to a depth of 19 ft and the well backfilled with 2-in crushed rock. Lsd about 835 ft above msl. MP south edge of 8-in pipe, 3.60 ft above lsd (since Sept. 17, 1962). Highest water level 0.96 below lsd, Apr. 10, 1948; lowest dry, Jan. 30-July 3, July 17, Sept. 4, 1954-Jan. 1, 1955. Records available: 1945-62. Recorder installed Sept. 17, 1962.

Jan. 3, 1958	2.48	Sept. 6, 1958	5.27	May 8, 1959	2.61	Jan. 8, 1960	10.72
10	3.55	12	5.77	15	3.15	15	9.48
17	4.71	19	6.56	22	3.70	22	7.22
24	5.33	26	7.02	29	4.49	29	6.54
31	5.57	Oct. 3	7.50	June 5	5.07	Feb. 5	6.47
Feb. 7	5.98	10	7.85	15	5.83	12	3.78
14	6.60	17	8.34	19	6.08	19	3.75
21	7.12	24	8.65	26	6.42	26	4.53
28	7.28	31	8.98	July 3	6.83	Mar. 4	4.69
Mar. 7	7.43	Nov. 7	9.25	10	7.19	11	5.83
14	7.58	14	9.56	17	7.58	18	6.25
21	7.83	21	9.51	24	8.02	28	6.47
28	7.27	28	8.78	31	8.10	Apr. 1	3.68
Apr. 4	5.58	Dec. 5	7.65	Aug. 7	8.51	8	2.85
11	4.83	12	7.12	14	8.78	15	3.72
18	5.13	19	7.20	21	9.02	22	3.62
25	5.64	26	7.36	28	9.27	29	3.63
May 2	6.38	Jan. 2, 1959	7.68	Sept. 4	9.51	May 6	4.45
9	6.67	9	7.36	11	10.02	13	5.05
16	7.11	16	7.28	18	10.09	20	5.31
23	7.38	23	5.19	25	10.40	27	4.66
30	7.66	30	4.79	Oct. 2	10.64	Jun? 3	4.02
June 6	8.00	Feb. 6	4.70	9	10.83	10	5.35
13	4.65	13	4.13	16	11.01	17	5.74
20	2.53	20	4.17	23	11.30	24	6.25
27	1.82	27	4.72	30	11.56	July 1	6.55
July 4	3.19	Mar. 6	4.75	Nov. 5	11.80	8	6.74
11	4.57	13	3.03	13	12.13	15	6.74
18	3.18	20	2.32	20	12.34	24	6.80
25	3.61	27	3.27	27	12.52	29	7.64
Aug. 1	4.58	Apr. 3	1.39	Dec. 4	12.70	Aug. 5	7.02
8	4.43	10	2.45	11	12.80	12	7.29
15	5.04	17	3.07	18	12.79	19	7.53
22	3.43	24	3.06	25	12.68	26	7.71
29	4.18	May 1	1.14	Jan. 1, 1960	12.81	Sept. 2	8.04

Ho 4--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 9, 1960	8.32	Mar. 10, 1961	7.05	Sept. 1, 1961	7.82	Feb. 17, 1962	5.05
16	8.49	17	4.56	8	8.17	24	5.82
23	8.72	24	1.80	15	8.33	Mar. 10	5.27
30	8.83	31	2.34	22	8.63	17	5.10
Oct. 7	9.24	Apr. 7	3.25	29	8.54	24	1.80
14	9.49	14	3.19	Oct. 6	8.72	31	2.25
21	9.69	21	2.54	13	9.04	Apr. 7	3.02
28	9.79	28	1.11	20	9.00	14	4.09
Nov. 4	10.06	May 5	1.96	28	10.83	21	4.75
11	10.35	12	1.76	Nov. 3	9.50	28	5.10
18	10.46	19	2.46	11	9.68	May 5	5.47
25	10.65	26	3.47	18	9.56	12	5.67
Dec. 2	10.79	June 2	4.16	25	8.80	19	5.96
9	11.05	9	4.53	Dec. 2	7.59	26	6.79
16	11.09	16	5.00	9	7.54	June 3	6.20
23	11.20	23	5.40	16	7.45	9	6.25
30	11.71	30	5.68	23	7.74	17	6.20
Jan. 6, 1961	12.76	July 7	5.69	30	7.83	23	7.20
20	12.28	14	6.44	Jan. 6, 1962	7.59	July 7	6.55
27	11.77	21	6.69	13	7.74	14	6.61
Feb. 3	11.60	28	7.01	20	4.27	21	5.20
10	12.19	Aug. 4	6.98	27	4.06	28	3.95
17	11.42	11	7.22	Feb. 3	4.01	Aug. 4	4.12
24	10.47	18	7.39	10	5.11	11	4.55
Mar. 3	9.61	25	7.59				

Highest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.35	12.20	13.09
10	12.37	13.24
15	h10.70	12.56	e13.43
20	9.57	10.86	12.71	13.57
25	(k)	11.94	12.86	13.71
Eom	6.11	12.07	13.01	13.89

e Estimated.

h Tape measurement.

k Other measurements available near this date.

Jackson County

Jk 2. Ralph Fish. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 6 N., R. 2 E. Drilled unused artesian well in rock, diam 6 in, depth 93 ft. Lsd about 884 ft above msl. MP edge of 1-in hole in top of recorder platform, 2.50 ft above lsd (since May 23, 1960). Highest water level 9.97 below lsd, May 15, 1961; lowest 22.21 below lsd, Jan. 25, 1954. Records available: 1944-62. Recorder installed May 23, 1960.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	12.24	June 2, 1958	10.72	Jan. 4, 1959	11.50	June 28, 1959	12.40
13	12.00	9	10.80	11	11.80	July 5	12.50
20	12.39	16	10.78	18	11.40	12	13.10
27	11.64	23	10.50	25	11.30	19	13.10
Feb. 3	11.52	30	10.64	Feb. 8	11.30	27	12.60
10	11.58	July 7	11.50	15	11.20	Aug. 2	13.40
17	12.04	14	11.00	22	11.10	9	13.10
24	12.50	21	11.10	Mar. 1	10.40	16	13.30
Mar. 3	12.61	27	10.30	8	10.70	23	13.60
10	12.50	Aug. 3	10.02	15	10.60	30	13.60
17	12.31	17	10.74	22	10.70	Sept. 6	13.70
24	12.09	25	11.10	29	10.60	13	14.80
31	11.35	31	11.05	Apr. 5	10.80	20	14.70
Apr. 7	11.32	Sept. 8	11.17	12	10.70	27	14.90
14	11.48	15	12.03	19	10.90	Oct. 6	15.20
21	11.64	Nov. 9	11.25	26	11.10	11	15.40
28	11.38	23	11.30	May 10	12.00	21	15.00
May 6	10.79	30	10.48	17	12.10	28	14.90
12	10.84	Dec. 7	10.83	25	12.35	Nov. 4	14.20
19	10.68	21	11.25	June 21	12.01	12	13.80
26	10.52	28	11.70	23	12.10	18	14.10

Jk 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 25, 1959	13.20	Jan. 14, 1960	11.70	Mar. 5, 1960	11.50	Apr. 16, 1960	11.10
Dec. 2	13.10		11.50		12		11.60
10	14.00		11.20		19		11.60
18	13.10	Feb. 5	10.70		26		11.90
23	12.80	12	11.30	Apr. 1	10.80	Mar. 7	12.10
31	12.10	19	11.40	9	11.30	21	12.30
Jan. 7, 1960	12.20	26	11.20				

Highest water level for the day, from recorder graph, 1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.54	10.73	(k)	12.89	14.81	16.56	17.66
10	(k)	10.52	11.62	13.20	15.07	.....	.....
15	11.55	e10.53	11.78	13.45	(k)	16.65	.....
20	11.62	10.65	11.88	13.81	15.55	17.12	16.21
25	12.12	11.48	(k)	12.31	(k)	15.77	17.21	15.41
Eom	11.94	11.01	11.94	12.62	(k)	15.82	17.43	14.41

1961												
5	14.08	13.34	(k)	10.43	10.61	10.84	.....	(k)	14.79	16.42	17.86	18.53
10	13.86	13.09	.....	10.59	(k)	10.56	11.74	(k)	15.08	16.74	17.90	18.73
15	(k)	12.91	10.63	10.29	9.97	10.74	11.92	13.26	15.21	16.99	(k)	19.05
20	(k)	(k)	10.65	.....	10.35	.....	12.13	13.89	15.57	16.89	18.33	(k)
25	.....	11.31	10.61	10.05	(k)	(k)	12.42	14.08	15.88	17.22	18.55	.....
Eom	12.95	11.65	10.11	10.34	.....	10.97	12.75	14.41	16.18	17.45	18.77	18.60

1962												
5	h18.49	12.22	(k)	h10.89	h11.47	12.17	12.00	12.87	(k)	14.63	15.77	15.48
10	(k)	(k)	11.02	10.59	11.70	12.02	12.08	13.18	14.02	14.84	15.92	15.72
15	14.74	.....	11.09	10.59	11.79	h11.67	12.14	13.55	14.11	15.20	16.33	15.77
20	14.18	.....	(k)	10.69	11.76	11.65	12.31	13.75	14.16	15.24	.....	16.13
25	13.29	.....	10.84	10.96	11.90	11.89	12.36	14.14	14.23	15.77	16.43	16.54
Eom	12.75	.....	10.73	11.00	(k)	12.20	12.68	14.29	14.52	15.72	e16.04	16.48

e Estimated.

h Tape measurement.

k Other measurements available near this date.

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. Drilled unused artesian well in limestone, diam 6 in, depth 69 ft. Lsd about 810 ft above msl. MP edge of 1-in hole in steel plate cover, 0.51 ft above lsd. Highest water level 15.33 below lsd, Apr. 1, 1946; lowest 32.5 below lsd, Aug. 16, 1943. Records available: 1937-61. Measurement discontinued; replaced by well Jf 4.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	26.14	June 30, 1958	25.87	Dec. 21, 1958	26.14	June 15, 1959	25.79
13	25.94	July 7	25.99		25.99	22	25.79
20	26.04	14	26.00	Jan. 5, 1959	26.01	29	25.91
27	26.04	21	25.87	12	26.09	July 6	25.81
Feb. 3	25.99	28	25.70	19	25.69	13	26.14
10	25.89	Aug. 4	25.76	26	25.94	20	26.24
18	25.94	11	25.71	Feb. 2	26.24	28	26.15
24	25.78	18	25.83	9	25.89	Aug. 3	26.14
Mar. 3	26.19	25	25.59	16	25.59	10	26.11
10	26.07	Sept. 1	26.04	23	25.29	17	26.24
18	26.04	8	26.09	Mar. 2	25.39	24	26.39
25	25.89	15	25.84	9	25.34	31	26.23
Apr. 1	25.69	22	25.91	16	25.63	Sept. 6	26.14
7	25.89	29	25.92	23	24.44	13	26.39
14	25.59	Oct. 6	26.00	30	25.51	20	26.21
21	25.52	13	26.21	Apr. 6	25.59	27	26.44
28	25.54	20	26.01	13	25.45	Oct. 4	26.64
May 5	25.24	27	26.19	20	25.39	11	26.74
12	25.54	Nov. 2	26.04	27	25.52	19	26.66
19	25.64	9	25.89	May 4	25.59	25	26.54
26	25.59	16	26.19	11	25.64	Nov. 1	26.69
June 2	25.88	23	26.08	18	25.59	8	26.79
9	25.85	30	26.04	25	25.53	15	26.69
16	25.87	Dec. 7	26.03	June 1	25.50	22	26.59
23	25.64	14	26.01	8	25.69	29	26.69

Jf 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 6, 1959	26.41	June 6, 1960	25.64	Nov. 29, 1960	26.44	May 23, 1961	25.49
13	26.59	13	25.34	Dec. 5	26.49	30	25.54
20	26.29	20	25.59	12	26.44	June 6	25.54
23	26.09	27	25.59	19	26.44	13	25.79
Jan. 3, 1960	26.29	July 4	25.39	26	26.54	20	25.39
10	26.04	11	25.44	Jan. 2, 1961	26.59	27	25.49
17	25.94	18	25.54	9	26.69	July 4	25.54
24	25.99	25	25.64	17	26.59	11	25.64
31	25.89	Aug. 1	25.54	24	26.69	18	25.59
Feb. 7	25.94	8	25.64	31	26.49	Sept. 15	26.23
14	25.89	15	25.79	Feb. 7	26.54	19	25.97
21	25.54	22	25.51	14	26.44	26	26.13
28	25.74	29	25.89	21	26.39	Oct. 3	25.07
Mar. 6	25.84	Sept. 5	25.99	Mar. 1	26.29	10	25.01
13	25.99	12	25.89	7	26.04	17	25.19
20	25.74	19	26.04	14	25.79	24	26.24
27	25.59	26	26.29	21	25.51	31	26.12
Apr. 4	25.54	Oct. 3	26.39	28	25.54	Nov. 7	26.32
11	25.54	10	26.44	Apr. 4	25.64	14	26.35
18	25.84	17	26.39	11	25.79	21	26.27
25	25.54	24	26.44	18	25.64	30	26.14
May 2	25.84	31	26.29	25	25.39	Dec. 5	26.06
9	25.94	Nov. 7	26.59	May 2	25.44	12	25.85
16	25.69	14	26.54	8	25.39	19	25.83
23	25.59	22	26.54	16	25.44	26	25.64
30	24.89						

Jf 4. State of Indiana. Clifty Falls State Park. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 4 N., R. 10 E. Drilled unused well in rock, diam 6 in, depth 75 ft. Lsd about 820 ft above msl. MP 1-in hole in recorder platform, 1.97 ft above lsd. Highest water level 21.95 below lsd, Feb. 17, 1959; lowest 42.35 below lsd, Feb. 8, 10, 1961. Records available: 1955-62.

Highest water level for the day, from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	38.45	.....	26.30
10	35.45	26.90	25.30
15	36.30	29.05	27.10
20	37.55	29.05	29.55
25	38.40	37.40	24.85	30.40
Eom	38.29	37.70	24.75	32.65

1956

5	33.50	.....	23.20	(k)	27.30	23.50	29.80	25.20	34.95	29.70	(k)	(k)
10	34.15	23.60	22.90	23.85	27.70	(k)	30.85	27.35	35.50	h28.95	.....	(k)
15	34.40	23.20	22.90	23.75	28.70	26.25	32.10	30.40	35.55	30.55	(k)	30.55
20	35.25	23.05	23.00	(k)	30.10	28.20	32.80	32.15	h34.60	32.10	(k)	31.25
25	36.05	22.95	22.95	h26.38	31.10	29.30	(k)	33.40	34.90	33.80	(k)	28.00
Eom	(k)	23.20	23.55	27.05	23.65	29.20	34.00	33.95	36.40	34.50	(k)	26.65

1957

5	.....	h23.65	23.25	22.55	24.50	25.60	25.50	34.40	38.55	(k)	(k)	26.95
10	25.30	(k)	23.50	22.75	(k)	27.10	25.50	35.50	39.20	40.45	h39.30	26.20
15	.....	23.05	23.40	22.90	(k)	28.55	26.95	35.95	39.50	(k)	.....	(k)
20	.....	23.40	23.55	23.15	h24.85	29.85	28.75	36.70	39.75	(k)	(k)	25.00
25	.....	24.90	24.80	23.60	(k)	26.40	31.00	(k)	40.05	.....	h27.39	25.50
Eom	(k)	23.60	.....	23.85	.....	25.75	33.05	38.20	40.25	.....	29.20	25.50

1958

5	26.35	25.20	30.85	24.30	24.00	29.95	33.55	24.35	33.90	.....	38.15	(k)
10	27.35	25.35	31.55	24.05	23.85	31.10	(k)	24.75	34.45	.....	38.35	.....
15	28.80	25.60	.....	24.10	24.00	31.55	34.40	26.95	35.20	36.95	38.50	25.90
20	30.40	26.60	(k)	24.25	25.65	32.30	(k)	(k)	35.75	h37.35	37.70	27.70
25	(k)	27.65	24.60	25.75	26.60	33.30	25.25	30.65	35.95	37.80	37.00	30.15
Eom	25.10	27.95	24.30	25.90	27.75	h33.22	24.55	32.45	(k)	38.05	37.90	31.90

e Estimated.

h Tape measurement.

k Other measurements available near this date.

Jf 4--Continued.

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	28.30	24.30	23.65	24.20	31.35	(k)	(k)	39.50	40.20	41.10	41.10	41.90
10	27.80	24.20	23.65	24.15	32.15	(k)	37.90	(k)	40.35	41.15	41.60	42.05
15	25.85	23.70	23.40	(k)	32.00	e35.80	.....	(k)	40.40	41.30	41.70	30.60
20	24.20	23.90	23.70	27.05	32.40	36.25	.....	39.70	40.65	41.40	41.80	29.15
25	23.80	23.70	.....	28.15	32.10	36.60	.....	39.90	40.75	41.25	41.90	30.60
Eom	24.45	23.75	25.70	29.75	33.15	.....	.....	39.95	40.90	41.55	41.75	26.40
1960												
5	25.65	25.55	25.15	24.50	31.75	32.45	23.80	33.25	37.40	39.20	40.50	41.30
10	25.60	23.90	25.45	26.15	32.05	34.30	24.10	34.20	38.05	39.65	40.55	41.20
15	25.25	24.15	27.10	26.95	33.00	32.30	25.70	35.00	38.35	39.85	40.60	41.30
20	24.90	24.55	24.45	27.90	33.95	33.35	(k)	35.60	38.55	40.00	40.95	41.45
25	24.90	25.00	23.95	29.15	34.00	25.10	h26.15	36.50	38.85	40.20	41.00	41.70
Eom	26.75	26.85	23.75	30.40	31.75	24.75	31.85	36.95	38.95	40.10	41.20	41.70
1961												
5	41.90	42.25	25.25	25.35	24.20	29.80	28.85	.....	37.30	39.65	40.85	35.25
10	41.80	42.25	24.85	27.05	22.90	30.65	31.35	35.40	38.15	39.90	40.95	31.30
15	40.65	40.85	24.30	24.05	23.40	24.95	32.50	36.00	38.70	40.05	40.90	25.90
20	41.35	35.40	24.30	23.80	24.50	23.95	33.40	36.40	38.65	40.20	39.90	25.50
25	41.85	28.10	24.15	23.55	26.25	24.75	34.20	36.65	39.00	40.45	.....	25.25
Eom	42.05	26.10	24.05	23.65	28.15	26.95	.....	37.05	39.40	40.55	h33.33	25.55
1962												
5	27.00	24.20	23.55	23.60	29.70	25.40	30.40	35.85	37.90	37.70	.....	29.85
10	25.00	26.30	25.45	23.95	30.35	23.45	h32.22	36.55	38.30	38.20	.....	31.80
15	24.45	24.45	23.70	25.25	h24.56	23.55	33.00	h36.95	38.70	38.75	29.75	33.45
20	24.30	24.95	23.60	26.85	25.00	24.05	33.90	37.45	39.05	38.95	e26.05	34.95
25	23.90	23.60	23.45	27.85	26.85	(k)	34.45	37.95	39.00	.....	26.10	35.50
Eom	24.00	22.85	23.80	28.90	(k)	28.60	35.30	38.30	39.50	(k)	28.20	28.30

e Estimated.

h Tape measurement.

k Other measurements available near this date.

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. Driven unused artesian well in till, diam 1 $\frac{1}{2}$ in, reported depth 87 ft. Lsd about 865 ft above msl. MP top of pipe elbow, 1.00 ft below lsd. Highest water level 3.25 above lsd, May 1, 1944; lowest 0.55 below lsd, Nov. 24, 1962. Records available: 1938-39, 1942-62. Measurements made by State Fish Hatchery personnel.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	+1.46	Aug. 9, 1958	+1.83	Feb. 21, 1959	+2.00	Sept. 5, 1959	+1.75
11	1.71	16	2.00	28	2.50	12	1.50
18	1.63	23	2.00	Mar. 7	2.04	19	1.46
25	1.65	30	2.00	13	2.42	26	1.58
Feb. 1	1.63	Sept. 6	2.00	21	2.42	Oct. 3	1.50
8	1.58	13	2.00	28	2.33	10	1.52
15	1.58	20	2.25	Apr. 4	2.50	17	1.54
22	1.61	27	2.29	11	2.42	24	1.58
Mar. 1	1.63	Oct. 4	2.29	18	2.42	31	1.58
8	1.58	11	2.13	25	2.33	Nov. 7	1.58
15	1.58	18	2.08	May 2	2.54	14	1.58
22	1.60	25	2.15	9	2.50	21	1.58
29	1.58	Nov. 1	2.13	16	2.50	28	1.62
Apr. 5	1.75	8	2.13	23	2.50	Dec. 5	2.06
12	1.77	15	2.13	30	2.54	12	2.40
19	1.75	22	2.13	June 6	2.50	19	2.42
26	1.73	29	2.08	13	2.42	26	2.42
May 3	1.75	Dec. 6	1.96	20	2.50	Jan. 2, 1960	2.46
10	1.64	13	1.96	27	2.54	9	2.46
17	1.50	22	1.92	July 4	2.54	16	2.46
25	1.00	27	1.94	11	2.50	23	2.46
31	1.42	Jan. 3, 1959	1.92	18	2.42	30	2.48
June 7	1.35	10	1.92	25	2.46	Feb 6	2.46
14	1.33	17	1.92	Aug. 1	2.42	13	2.48
21	1.33	24	1.88	8	2.46	20	2.42
28	1.25	31	1.94	15	2.42	27	2.54
July 5	1.27	Feb. 7	1.92	22	1.83	Mar. 5	2.50
Aug. 2	1.75	14	1.98	29	1.83	12	2.46

Ko 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 19, 1960	+2.50	Oct. 29, 1960	+2.00	July 15, 1961	+0.72	May 5, 1962	+0.96
26	2.50	Nov. 5	1.67	22	.66	12	1.00
Apr. 2	2.54	12	1.83	29	.70	19	1.04
9	2.58	19	1.58	Aug. 5	.79	26	.90
16	2.66	26	1.50	12	.75	June 2	.92
23	2.58	Dec. 5	1.42	19	.64	9	.92
30	2.50	10	1.33	26	.66	16	.85
May 7	2.54	17	1.17	Sept. 2	.50	23	.85
14	2.54	23	1.33	9	.37	30	.79
21	2.52	Jan. 3, 1961	1.33	17	.20	July 7	.77
28	2.42	7	1.42	23	.20	14	.75
June 4	2.42	14	1.33	30	.20	21	.75
11	2.58	21	1.17	Oct. 7	.12	28	.58
18	2.60	28	1.17	14	+.10	Aug. 4	.54
25	2.58	Feb. 6	1.17	22	-.04	11	.42
July 2	2.58	11	1.17	28	+.08	18	.29
9	2.42	18	1.54	Nov. 4	+.03	25	.12
16	2.46	25	1.58	13	-.04	Sept. 1	+.04
23	2.34	Mar. 4	1.67	18	+.04	8	-.13
30	2.34	11	1.83	25	.08	15	.25
Aug. 6	2.18	18	2.00	Dec. 2	.12	22	.34
13	2.00	25	1.85	9	.12	Oct. 6	.38
20	2.37	May 6	1.37	16	.19	13	.40
27	2.40	14	1.19	23	.20	20	.34
Sept. 3	2.42	20	1.15	Jan. 6, 1962	.33	27	.42
10	2.34	27	1.08	Mar. 17	.88	Nov. 3	.46
17	2.34	June 3	.83	24	.96	10	.46
27	2.34	9	1.04	Apr. 7	1.19	17	.50
Oct. 1	2.17	17	.91	14	1.06	24	.55
8	2.17	24	.87	21	.96	Dec. 1	.42
15	2.17	July 1	.83	28	1.04	8	.36
22	2.17	7	.83				

La Porte County

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. Drilled unused artesian well in sand and gravel, diam 6 in, reported depth 115 ft. Lsd about 671 ft above msl. MP 1-in hole in recorder platform, 1.36 ft above lsd. Highest water level 0.34 below lsd, Apr. 8, 1950; lowest 7.52 below lsd, July 25, 1955. Records available: 1942-62. Measurements made by State Game Preserve personnel.

Jan. 6, 1958	3.29	July 21, 1958	4.71	Feb. 2, 1959	3.42	Nov. 30, 1959	4.42
13	3.68	28	5.06	9	4.39	Dec. 7	5.02
20	4.05	Aug. 4	4.79	17	2.15	14	4.87
27	4.17	11	4.54	Mar. 23	2.63	21	4.37
Feb. 3	4.23	18	4.39	30	2.36	28	4.67
10	4.48	25	4.45	Apr. 6	2.16	Jan. 4, 1960	4.32
17	4.42	Sept. 2	4.94	7	2.73	11	4.42
24	4.51	8	5.19	8	5.46	18	3.14
Mar. 3	3.68	15	5.46	13	5.64	25	3.55
10	3.55	22	5.43	20	5.88	Feb. 1	4.31
17	3.76	29	5.56	27	5.43	8	3.32
24	4.07	Oct. 6	5.57	Aug. 3	5.25	15	3.21
31	4.29	13	5.39	10	5.73	22	2.85
Apr. 7	4.43	20	5.35	17	5.87	29	3.23
14	4.65	27	5.31	24	6.14	Mar. 7	3.76
21	4.80	Nov. 3	5.26	Sept. 2	6.35	14	4.23
28	4.94	10	5.29	7	6.23	21	4.31
May 6	5.12	17	5.07	14	6.68	28	4.19
12	5.32	24	4.68	21	6.56	Apr. 4	2.70
19	5.50	Dec. 1	4.65	28	6.73	11	2.78
26	5.65	8	4.69	Oct. 5	5.34	18	2.41
June 2	5.70	15	4.59	12	5.13	25	2.32
9	5.48	22	4.66	19	5.38	May 2	3.11
16	4.41	29	4.80	26	4.81	9	3.43
22	4.41	Jan. 5, 1959	4.81	Nov. 2	6.46	16	3.67
30	4.69	11	4.71	9	4.32	23	3.91
July 1	4.95	19	4.61	16	6.87	30	4.22
14	4.76	26	4.43	23	5.76	June 6	4.52

Lp 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 13, 1960	4.71	Jan. 30, 1961	5.41	Oct. 16, 1961	4.30	May 28, 1962	4.20
20	3.51	Feb. 6	5.37	23	4.30	June 5	4.20
27	3.19	13	5.44	30	4.40	11	4.60
July 4	4.39	20	4.57	Nov. 2	4.30	19	4.80
11	4.68	27	4.35	13	4.30	26	5.10
18	4.96	Mar. 6	3.95	14	4.39	July 2	5.30
25	5.41	13	3.61	20	4.10	9	5.40
Aug. 1	5.56	20	3.02	26	3.90	16	5.60
8	5.18	27	3.11	Dec. 4	4.10	23	5.70
15	5.01	Apr. 25	2.70	11	4.10	30	5.90
22	4.90	May 2	2.44	18	4.10	Aug. 6	6.10
29	5.14	8	2.82	25	4.20	13	6.10
Sept. 5	5.94	15	3.00	Jan. 1, 1962	4.20	20	6.30
12	5.95	22	6.33	8	3.90	27	6.50
19	6.00	29	4.22	15	3.90	Sept. 4	6.50
26	5.90	June 12	4.45	22	3.60	10	6.60
Oct. 3	5.78	19	4.20	29	3.70	17	6.30
10	5.53	26	4.40	Feb. 5	3.90	24	6.20
17	5.69	July 3	4.70	12	3.80	Oct. 1	6.10
24	5.41	10	4.90	19	4.10	8	5.80
31	5.09	17	5.00	26	4.20	15	5.70
Nov. 7	5.08	24	5.50	Mar. 5	4.10	22	5.50
14	5.02	29	5.50	12	3.60	30	5.34
21	4.97	Aug. 7	4.80	20	2.70	Nov. 5	5.19
28	5.01	14	4.90	26	2.10	13	5.10
Dec. 5	5.00	21	5.20	Apr. 2	2.40	20	5.00
12	5.03	28	5.11	9	2.60	26	5.11
19	4.92	Sept. 4	5.50	16	3.00	Dec. 4	5.20
26	4.96	11	5.70	24	3.40	11	5.20
Jan. 2, 1961	4.98	18	5.10	30	3.70	17	5.42
9	5.15	25	4.70	May 7	4.00	25	5.44
16	5.19	Oct. 2	4.20	14	4.10	31	5.46
23	5.33	9	4.30	21	4.20		

Madison County

Md 7. State of Indiana. Mounds State Park. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 19 N., R. 8 E. Driven unused artesian well in gravel, diam 1 $\frac{1}{2}$ in, depth 19 ft. Lsd about 905 ft above msl. MP top of pipe, 3.50 ft above lsd. Highest water level 3.35 above lsd, July 1, 1957; lowest 13.9 below lsd, Aug. 7, 1946. Records available: 1935-36, 1938-62. Measurements made by State Park personnel.

Jan. 6, 1958	-2.12	July 14, 1958	-0.90	Jan. 19, 1959	-5.22	July 27, 1959	-4.20
13	2.30	21	1.30	26	3.40	Aug. 3	4.35
20	2.70	28	1.85	Feb. 2	3.40	10	4.52
27	2.68	Aug. 4	.52	9	3.32	17	4.65
Feb. 3	2.90	11	.90	16	.60	24	5.10
10	2.80	18	1.58	23	.60	31	5.12
17	3.24	25	2.10	Mar. 2	.90	Sept. 7	5.25
24	3.30	Sept. 1	2.30	9	.90	21	5.52
Mar. 3	3.52	8	2.70	16	.40	28	5.70
10	3.70	15	2.90	23	.54	Oct. 5	5.90
17	3.90	22	3.12	30	1.10	12	5.62
24	4.07	29	3.40	Apr. 6	.90	19	5.80
31	3.98	Oct. 6	3.70	13	.70	26	6.00
Apr. 7	3.90	13	3.95	20	1.65	Nov. 2	5.88
14	3.96	20	4.32	27	-1.60	9	6.10
21	3.96	27	4.40	May 4	+.42	16	5.92
28	3.96	Nov. 3	4.60	11	.40	23	6.00
May 5	2.52	10	4.85	18	+.38	30	6.20
12	1.70	17	4.95	25	-.52	Dec. 7	6.30
19	1.82	24	5.14	June 1	.85	14	5.80
26	2.52	Dec. 1	5.20	8	1.65	21	5.78
June 2	2.72	8	4.65	15	2.20	28	5.75
9	-2.75	15	4.70	22	2.59	Jan. 4, 1960	5.70
16	+2.75	22	5.00	29	2.98	11	5.70
23	.95	29	5.10	July 6	3.35	18	5.10
30	.48	Jan. 5, 1959	5.20	13	3.64	25	4.98
July 7	+.70	12	5.22	20	3.92	Feb. 1	4.60

Md 7--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8, 1960	-3.88	Oct. 31, 1960	-6.20	July 31, 1961	-3.85	Apr. 23, 1962	-2.09
15	2.94	Nov. 7	6.35	Aug. 7	3.16	30	3.19
22	2.93	14	6.52	14	4.07	May 9	2.89
29	3.10	21	6.60	21	4.29	14	2.97
Mar. 7	3.38	28	6.65	28	4.48	21	3.23
14	3.30	Dec. 5	6.85	Sept. 4	4.70	28	3.38
21	3.58	12	6.90	11	4.82	June 4	3.63
28	3.34	19	7.00	18	5.04	11	3.06
Apr. 4	2.98	26	7.08	25	5.15	18	4.08
11	3.10	Jan. 2, 1961	6.70	Oct. 9	5.26	25	4.14
18	3.30	9	6.90	16	5.42	July 2	4.37
25	3.30	16	6.88	23	5.68	9	4.30
May 2	3.62	23	7.12	30	5.74	16	3.99
9	3.70	30	7.40	Nov. 6	5.30	23	4.05
16	4.05	Feb. 6	7.52	13	6.08	30	4.30
23	3.30	13	7.60	20	5.93	Aug. 6	4.54
31	2.30	20	7.60	27	5.94	13	4.73
June 6	2.40	27	7.58	Dec. 4	6.16	20	4.92
13	2.70	Mar. 6	7.42	11	6.07	27	5.10
20	3.00	13	6.32	18	6.04	Sept. 3	5.23
27	2.80	20	5.86	25	6.22	10	5.39
July 5	2.68	27	5.84	Jan. 1, 1962	6.27	17	5.39
11	3.00	Apr. 2	4.99	8	6.07	24	5.32
18	2.99	10	4.56	15	6.39	Oct. 1	5.71
25	3.40	17	3.86	22	5.88	8	5.79
Aug. 1	3.60	24	2.19	29	5.09	15	5.88
8	3.78	May 1	- .83	Feb. 5	4.87	22	5.98
15	4.10	15	+1.00	12	4.77	29	6.09
22	4.30	21	-.70	19	4.76	Nov. 5	6.18
29	4.52	29	1.49	26	4.66	12	6.29
Sept. 5	4.70	June 12	2.18	Mar. 5	4.29	19	6.32
12	4.90	19	1.82	12	3.39	26	6.37
19	5.30	26	2.20	19	3.19	Dec. 3	6.55
26	5.35	July 2	3.05	26	2.20	10	6.65
Oct. 3	5.54	10	2.84	Apr. 2	2.38	17	6.74
10	5.65	17	3.08	9	2.57	24	6.85
17	5.90	24	3.12	16	2.80	31	6.96
24	6.04						

Marion County

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. Drilled unused artesian well in gravel, diam 8 in, depth 90 ft. 1 sd 712.27 ft above msl. MP top of casing, 24.00 ft below 1sd. Highest water level 37.11 below 1sd, Apr. 14, 1959; lowest 70.55 below 1sd, Sept. 21, 1941. Records available: 1935-62. Nearby well being pumped.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	40.55	39.19	38.68	39.11	40.70	43.14	46.14	47.30	47.31	44.52	42.18	40.50
10	40.29	39.02	38.54	39.05	40.90	43.97	46.52	47.94	46.95	45.28	41.72	40.31
15	40.02	38.92	38.60	38.77	41.67	45.27	46.78	48.04	46.27	44.00	42.31	39.99
20	39.72	38.85	38.49	40.91	42.30	44.99	47.40	47.72	46.19	43.86	41.83	39.88
25	39.58	38.65	38.36	40.88	42.86	44.78	47.27	47.46	46.07	43.74	41.20	39.65
Eom	39.43	38.65	38.43	39.99	43.03	45.43	47.40	47.68	45.71	42.77	40.73	39.42
1959												
5	39.27	38.52	38.07	37.41	39.75	42.08	43.48	46.41	49.28	48.64	44.53	41.86
10	39.24	38.38	37.92	37.61	40.46	42.39	44.72	46.32	49.13	48.45	43.70	41.58
15	39.00	38.48	37.72	37.14	40.36	42.62	44.90	47.34	48.45	47.31	43.19	41.30
20	38.88	38.52	37.56	37.93	39.99	43.43	45.14	47.76	47.88	46.72	42.72	41.18
25	38.81	38.31	37.32	38.08	41.02	43.48	46.35	48.14	48.51	46.70	42.60	40.84
Eom	38.86	38.25	37.20	38.62	41.63	43.60	46.58	48.73	48.58	45.30	42.00	40.71

e Estimated.

Ma 2--Continued.

1960												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	40.31	.....	.....	38.79	40.60	42.73	45.32	47.36	47.89	45.31	42.78	41.81
10	40.11	39.24	38.63	38.73	40.20	43.68	45.65	47.14	48.34	45.03	42.36	41.63
15	40.30	39.26	38.51	39.67	40.04	44.02	46.47	46.50	46.76	45.60	42.23	41.20
20	40.04	(k)	38.44	39.68	41.21	44.38	46.35	47.45	46.87	44.95	42.31	40.99
25	(k)	38.91	38.41	40.73	41.31	45.56	46.02	47.50	47.36	43.68	41.77	40.76
Eom	39.57	38.89	38.83	40.77	41.62	45.50	47.23	47.75	47.07	43.21	42.39	40.65
1961												
5	40.46	39.99	(k)	39.45	39.45	40.37	41.55	45.13	45.24	43.75	42.50	40.48
10	40.40	39.91	40.26	39.14	39.65	41.87	41.85	.....	46.20	43.99	41.62	40.17
15	40.28	39.98	40.07	39.26	40.26	41.99	.....	44.67	46.26	.....	41.92	40.04
20	40.25	40.00	39.76	39.30	40.52	41.39	43.06	45.15	45.12	43.76	41.20	39.75
25	40.27	39.95	39.88	39.76	40.03	41.45	43.30	45.22	45.70	42.95	40.74	39.45
Eom	40.03	39.86	39.70	39.52	39.05	42.17	44.01	46.21	45.00	42.60	40.53	39.26
1962												
5	39.18	38.54	38.05	38.11	40.88	42.97	44.94	46.77	46.87	45.03	41.97	41.48
10	39.20	38.63	38.12	(k)	40.53	43.92	45.38	47.06	46.42	44.68	41.71	40.84
15	38.85	38.56	38.15	37.96	41.48	43.71	46.15	46.36	47.39	45.37	41.85	40.57
20	38.92	38.46	38.03	38.09	43.01	44.33	46.50	46.45	46.52	44.95	41.45	41.15
25	38.78	.....	38.10	38.37	43.57	44.35	46.14	47.28	45.37	43.54	41.15	40.40
Eom	38.72	.....	38.50	39.79	42.82	45.59	46.05	47.44	44.96	42.54	41.40	40.19

h Tape measurement.

k Other measurements available near this date.

Ma 10. Federal Bldg. Meridian and Ohio Sts., Indianapolis. SW $\frac{1}{4}$ SW $\frac{1}{4}$ s.c. 1, T. 15 N., R. 3 E. Drilled unused artesian well in limestone, diam 8 in, reported depth 304 ft. Lsd 717.51 ft above msl. MP top of casing, 10.00 ft below lsd. Highest water level 38.83 below lsd, Apr. 13, 1959; lowest 70.78 below lsd, Aug. 29, 1941. Records available: 1939-62. Nearby well being pumped.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1958	43.47	Oct. 3, 1958	50.63	June 22, 1959	45.83	Apr. 11, 1960	41.08
10	43.08	10	49.98	29	47.66	18	41.85
17	42.85	17	49.74	July 6	46.63	25	42.48
24	42.27	24	46.03	13	48.66	May 2	42.88
31	41.87	31	44.86	20	49.07	9	42.42
Feb. 7	42.11	Nov. 7	44.93	27	49.61	16	42.12
14	41.64	14	45.47	Aug. 3	50.37	23	43.24
21	41.89	21	44.16	10	50.07	31	43.21
28	41.50	28	43.65	17	51.86	June 6	44.69
Mar. 4	41.86	Dec. 3	42.67	24	51.78	20	45.63
14	42.13	10	43.37	31	52.20	27	46.33
21	41.15	17	42.31	Sept. 8	52.60	July 1	47.54
28	41.14	22	42.07	14	53.08	8	47.54
Apr. 4	41.67	29	41.85	21	52.99	18	47.33
11	41.43	Jan. 5, 1959	41.77	28	52.13	25	47.75
18	45.99	12	40.97	Oct. 5	51.74	Aug. 1	47.96
21	43.24	19	41.47	12	50.16	8	48.34
28	42.38	26	41.27	19	49.58	15	48.04
May 5	43.08	Feb. 2	41.52	26	47.32	22	48.26
12	44.98	9	41.09	Nov. 16	44.65	29	48.71
19	47.73	16	40.99	24	44.39	Sept. 6	49.16
26	47.89	20	41.39	30	43.67	12	50.24
June 2	49.14	24	41.13	Dec. 7	43.29	19	50.66
16	48.97	Mar. 2	40.90	14	42.92	26	48.01
23	49.63	9	40.57	21	43.38	Oct. 3	47.23
30	50.30	16	40.83	28	42.96	10	48.63
July 7	50.80	23	39.67	Jan. 4, 1960	41.96	17	46.86
14	51.49	30	39.56	11	44.55	24	47.60
21	51.66	Apr. 6	39.18	25	41.49	31	44.85
28	51.85	13	38.83	Feb. 1	41.46	Nov. 7	44.28
Aug. 4	51.55	20	39.15	8	41.17	14	43.69
11	52.49	27	39.22	15	41.29	21	43.92
18	52.64	May 4	42.87	23	41.04	28	43.58
27	52.44	11	42.92	29	40.85	Dec. 5	43.44
Sept. 2	52.89	18	40.93	Mar. 7	40.97	12	43.28
8	51.90	25	44.17	14	41.24	19	43.07
15	52.77	June 1	44.36	21	40.44	27	42.75
19	51.47	8	44.95	28	40.19	Jan. 3, 1961	42.49
26	51.46	15	45.63	Apr. 4	40.71	9	42.97

Ma 10--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1961	42.19	July 17, 1961	44.27	Jan. 12, 1962	41.01	July 9, 1962	47.69
23	41.99	24	45.14	19	41.30	16	47.47
30	41.68	31	45.76	25	41.00	23	47.71
Feb. 6	41.99	Aug. 7	46.63	Feb. 1	40.16	30	48.20
13	41.66	14	47.37	8	40.74	6	48.27
20	42.07	21	46.64	15	40.70	13	48.13
27	42.79	28	46.62	22	40.66	20	47.97
Mar. 6	41.97	Sept. 5	46.48	Mar. 1	40.59	27	48.53
13	41.91	11	47.54	8	40.32	Sept. 4	49.37
20	41.81	18	48.24	15	40.25	10	48.25
27	41.74	26	48.22	22	40.91	14	49.33
Apr. 3	41.38	Oct. 2	46.08	29	40.75	21	48.70
10	41.21	9	45.23	Apr. 5	40.69	28	49.05
17	41.48	16	45.43	12	40.74	Oct. 5	49.02
24	41.40	23	44.55	19	40.88	10	48.08
May 1	41.10	30	43.86	26	40.91	17	47.43
8	40.98	Nov. 6	43.84	May 3	41.20	24	47.00
15	41.17	13	43.47	11	41.70	31	45.45
22	41.98	20	42.92	17	41.47	Nov. 7	45.92
29	41.49	27	42.37	24	45.95	14	45.84
June 5	41.97	Dec. 4	41.87	31	44.30	21	45.52
12	44.02	11	41.87	June 4	45.00	Dec. 5	43.38
19	42.86	18	41.60	12	46.08	12	43.00
26	42.61	22	41.89	18	44.50	19	43.77
July 3	43.70	29	41.80	25	46.75	27	43.28
10	44.18	Jan. 5, 1962	41.10	July 2	47.38		

Ma 28. Manuel W. Rabourn. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 14 N., R. 5 E. Dug unused artesian well in glacial drift, diam 42 in, depth 24 ft, cribbed with brick. Lsd about 819 ft above msl. MP top of recorder base at 1-in hole, 2.32 ft above lsd. Highest water level 0.15 below lsd, Apr. 25, May 8, 1961; lowest 17.07 below lsd, Oct. 11, 1954. Records available: 1947-62.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.05	6.26	7.82	6.54	6.05	6.87	4.22	2.24	7.66	8.82	8.95	5.15
10	5.15	6.73	7.92	6.57	4.69	(k)	5.15	3.73	8.16	9.00	....	5.08
15	(k)	7.24	8.12	6.72	5.20	4.83	3.28	4.71	8.56	e8.91	8.97	5.60
20	6.74	7.73	8.30	7.05	5.75	(k)	2.66	5.44	e8.58	8.93	7.00	6.19
25	5.90	8.13	7.46	6.94	(k)	2.05	2.23	6.22	8.53	9.06	(k)	6.79
Eom	6.00	7.71	6.53	6.75	6.37	e2.85	.45	e6.90	8.59	9.02	5.75	7.21
1959												
5	7.14	5.14	4.02	3.40	5.55	6.12	8.59	10.47	11.87	13.28	14.27	....
10	7.35	....	3.17	4.18	6.09	6.66	e8.89	10.69	12.11	13.46	14.43	14.51
15	7.32	2.55	1.41	5.10	5.80	7.03	9.32	10.93	12.40	13.61	14.52	13.79
20	5.40	3.02	2.67	e5.93	5.83	7.41	9.60	11.17	12.60	13.78	14.52	13.39
25	2.82	e3.93	3.88	6.42	5.43	7.83	9.87	11.41	e12.86	13.92	14.47	13.10
Eom	4.34	4.13	4.80	5.45	5.70	8.23	10.20	11.68	13.05	14.13	....	12.88
1960												
5	12.12	8.04	6.71	5.50	7.84	(k)	4.13	7.83	10.08	11.27	12.38	13.06
10	(k)	e3.03	7.31	5.78	8.10	5.76	4.76	8.27	10.30	11.45	12.58	13.06
15	....	3.38	7.82	6.31	8.37	6.45	5.42	8.71	10.48	11.61	12.75	13.01
20	(k)	4.44	7.36	6.79	8.58	6.96	....	9.08	10.71	11.81	12.85	12.97
25	8.79	5.40	6.67	7.21	(k)	....	6.64	9.42	10.87	11.99	12.93	12.96
Eom	(k)	6.09	5.72	7.57	....	....	7.30	9.80	11.05	12.21	13.00	12.93
1961												
5	....	12.00	3.52	4.67	3.76	6.59	9.19	e10.58	11.33	12.26	13.23	13.46
10	12.92	11.95	1.91	(k)	1.04	7.13	9.54	10.68	11.50	12.40	13.35	13.37
15	12.63	11.54	1.35	4.58	2.77	7.61	9.83	10.82	11.66	12.55	13.47	13.30
20	12.38	10.84	1.48	3.33	4.02	8.06	e10.03	e10.95	11.82	12.72	13.52	13.07
25	12.21	10.06	1.68	.15	4.94	8.45	10.22	11.04	11.98	12.90	13.53	12.65
Eom	12.06	....	3.52	2.27	5.93	8.83	10.44	11.17	12.11	13.09	13.51	(k)

e Estimated.

k Other measurements available near this date.

Ma 28--Continued.

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	(k)	6.75	....	....	7.55	8.68	10.04	10.71	9.08	10.19	10.96	11.18
10	....	6.99	....	....	7.83	8.86	10.26	10.74	9.29	10.31	11.10	11.18
15	(k)	7.21	....	....	7.88	9.07	10.46	....	9.49	10.43	11.20	11.26
20	8.46	7.44	....	....	7.96	9.31	10.52	....	9.60	10.56	11.25	11.34
25	7.74	7.15	h2.20	h6.99	8.17	9.56	10.54	h11.18	9.79	10.67	11.23	11.43
Eom	6.57	....	(k)	7.24	8.50	9.76	10.60	11.28	9.99	10.85	11.20	11.53

e Estimated.

h Tape measurement.

k Other measurements available near this date.

Martin County

Mt 3. John Ketcham. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 4 N., R. 5 W. Dug unused water-table well in rock, diam 42 in, depth 32 ft, cribbed with stone. Lsd about 621 ft above msl. 17P edge of hole in iron plate, 0.70 ft above lsd. Highest water level 18.02 below lsd, June 2, 1947; lowest 24.27 below lsd, Dec. 26, 1954. Records available: 1944-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1958	21.29	Dec. 28, 1958	20.78	Jan. 3, 1960	22.21	Jan. 1, 1961	22.32
19	20.48	Jan. 11, 1959	21.09	10	21.84	8	22.29
26	20.08	18	21.28	17	21.78	15	22.38
Feb. 2	20.35	25	20.28	24	21.22	22	22.37
9	20.92	Feb. 1	20.34	31	21.09	29	22.41
16	21.94	8	20.32	Feb. 7	21.09	Feb. 5	22.44
23	20.95	15	20.31	14	21.23	12	22.41
Mar. 2	21.04	22	20.34	21	21.25	19	22.39
9	21.35	Mar. 1	20.09	28	20.72	26	22.32
16	21.39	8	19.86	Mar. 6	20.66	Mar. 12	21.01
23	21.43	15	19.92	13	20.88	19	19.62
30	21.09	22	19.83	20	20.93	26	19.09
Apr. 6	20.29	29	19.82	27	20.62	Apr. 2	19.81
13	19.74	Apr. 5	19.84	Apr. 3	20.49	9	19.79
20	19.77	12	20.21	10	20.76	16	19.09
27	20.32	19	20.36	17	20.88	23	19.38
May 4	20.34	26	20.61	24	20.61	30	19.73
11	20.02	May 3	20.73	May 1	20.34	May 7	19.29
18	19.94	10	20.89	8	20.32	14	19.74
25	19.74	17	20.93	15	20.09	21	20.92
June 1	20.06	24	21.27	22	19.88	28	20.94
8	20.09	31	21.34	29	19.48	June 4	20.55
15	20.01	June 7	21.43	June 12	19.97	11	20.59
22	20.09	21	21.35	19	19.63	18	20.62
29	20.21	30	21.36	27	19.25	July 2	20.66
July 6	20.48	July 5	21.45	July 3	19.23	16	20.82
13	20.32	12	21.62	10	19.97	23	21.09
20	19.58	19	21.68	17	20.37	30	21.23
28	19.75	26	21.81	24	20.74	Aug. 6	21.41
Aug. 3	19.85	Aug. 2	21.92	31	20.83	20	21.45
10	20.28	9	21.86	Aug. 7	20.88	27	21.53
17	20.33	16	21.91	14	21.07	Sept. 3	21.72
24	20.58	23	21.94	21	21.32	10	21.76
31	20.93	30	22.03	28	21.44	17	21.82
Sept. 7	21.08	Sept. 6	22.09	Sept. 4	21.61	24	21.88
14	21.34	13	22.14	11	21.67	Oct. 1	21.96
21	20.74	20	22.19	18	21.74	15	22.04
28	20.86	27	22.11	25	21.93	22	22.22
Oct. 5	21.09	Oct. 4	23.18	Oct. 2	21.97	Nov. 12	22.28
12	21.26	11	23.02	9	22.03	19	22.32
19	21.38	18	22.32	16	22.09	26	22.38
26	21.55	26	22.26	23	22.12	Dec. 3	22.45
Nov. 2	21.62	Nov. 1	22.23	30	22.16	10	22.48
9	21.83	8	22.28	Nov. 13	22.35	17	22.49
16	21.78	15	22.34	20	22.39	24	22.46
23	21.39	22	22.37	27	22.38	31	22.25
30	21.33	29	22.42	Dec. 4	22.39	Jan. 7, 1962	22.12
Dec. 7	20.33	Dec. 6	22.46	11	22.41	14	21.61
14	20.32	13	22.84	18	22.34	21	21.41
22	20.55	27	22.34	25	22.33	28	21.21

Mt 3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4, 1962	21.09	Apr. 15, 1962	19.51	July 8, 1962	21.44	Sept. 23, 1962	23.11
11	20.75	22	19.48	15	21.54	Oct. 3	23.15
18	20.56	30	19.43	22	21.64	14	23.22
25	20.41	May 6	20.08	29	21.88	Nov. 4	22.45
Mar. 4	20.09	13	20.34	Aug. 5	21.91	11	22.43
11	19.94	27	20.36	12	22.02	18	22.38
18	19.78	June 4	20.41	19	22.07	Dec. 2	22.48
27	19.74	10	20.49	26	22.09	9	22.52
Apr. 1	19.71	24	21.28	Sept. 2	22.21	30	22.47
8	19.55	July 2	21.34				

Montgomery County

My 1. Byron Banta. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 17 N., R. 6 W. Dug unused water-table well in glacial drift, diam 36 in, depth 18 ft, cribbed with brick. On Aug. 25, 1955, an 8-in steel casing was set to a depth of 18 ft and well backfilled with crushed rock. Lsd about 765 ft above msl. MP inner manhole ring at painted arrow, 1.16 ft above lsd. Highest water level 2.78 below lsd (previously reported 3.37 below lsd) Jan. 4, 1950; lowest 15.45 below lsd, Nov. 16, 1940. Records available: 1935-62.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.81	8.18	(k)	8.97	.....	9.76	8.70	6.88	10.28	10.03	10.84	7.93
10	8.40	8.64	10.84	8.56	7.54	8.46	9.43	8.08	10.39	10.26	10.91	8.74
15	(k)	8.88	10.96	8.88	e8.72	7.41	.....	7.46	10.86	10.42	10.66	9.25
20	9.48	9.40	11.03	9.29	9.08	e8.50	.....	7.13	8.29	10.59	7.21	9.70
25	.....	9.52	9.58	9.55	8.95	.....	8.42	8.56	e9.25	10.87	7.38	10.23
Eom	.....	9.36	8.92	9.39	9.52	e7.85	5.49	9.75	9.76	10.97	7.42	10.47

1959

5	10.49	8.61	7.59	7.14	7.91	9.55	11.08	12.08	12.74	13.28	11.23	11.56
10	10.58	6.80	.....	e8.06	8.91	10.25	11.53	12.20	12.92	12.98	11.47	11.53
15	10.24	6.31	5.89	8.78	9.34	9.38	11.88	12.47	12.92	12.44	10.09	9.70
20	9.64	7.09	7.00	9.03	9.75	10.15	11.88	12.32	13.21	12.63	10.70	10.43
25	7.94	7.35	8.08	9.30	9.57	10.54	12.13	(k)	13.33	11.86	11.03	10.71
Eom	8.65	7.68	8.58	6.59	8.41	10.71	12.27	12.65	13.19	12.05	11.49	9.08

1960

5	9.40	7.85	10.04	7.91	9.63	8.77	9.43	9.59	11.65	12.27	12.46	11.20
10	9.92	5.85	10.12	9.00	8.48	9.86	10.20	10.14	11.98	12.47	12.09	10.54
15	8.47	7.31	10.00	9.40	8.91	.....	8.65	10.74	12.16	12.66	11.76	10.33
20	8.83	8.58	8.82	9.38	9.39	10.59	9.59	11.02	11.92	12.71	11.38	10.78
25	9.32	8.92	8.31	9.73	9.36	6.52	10.40	11.42	11.99	12.58	11.45	11.03
Eom	9.03	9.59	7.42	9.78	7.95	8.36	10.65	11.41	12.22	12.11	11.06	10.81

1961

5	11.13	11.28	(k)	8.70	7.69	10.37	10.83	10.66	12.49	12.28	10.51	10.86
10	10.86	11.26	e6.90	9.04	4.98	e5.50	11.24	.....	12.72	12.62	11.08	10.85
15	10.62	11.06	.....	8.53	7.07	7.79	11.52	11.67	12.88	12.46	11.44	10.46
20	9.86	9.77	6.06	.....	8.37	8.91	.....	.....	12.93	12.43	10.43	9.82
25	10.39	9.74	6.76	4.42	9.12	9.92	11.28	(k)	12.14	11.74	9.97	9.39
Eom	10.78	8.98	8.00	6.13	9.83	10.60	11.57	12.25	12.09	11.43	10.61	10.21

1962

5	10.15	8.30	7.72	8.20	8.97	8.17	10.58	9.93	11.33	11.12	9.98	10.42
10	8.94	9.20	8.01	8.39	7.95	8.16	11.06	10.19	11.42	11.31	10.07	10.76
15	8.19	9.53	7.23	8.50	7.75	8.90	6.61	10.67	9.41	10.49	(k)	10.89
20	8.59	9.33	7.35	9.04	8.66	9.76	8.20	11.01	10.28	9.48	9.11	11.27
25	8.89	8.65	6.46	9.39	9.43	10.17	7.03	11.28	10.67	9.33	9.93	11.24
Eom	7.50	6.59	7.85	9.70	7.93	10.54	8.99	11.21	11.07	9.81	10.22	11.41

e Estimated.

k Other measurements available near this date.

Morgan County

Mg 3. State of Indiana. Morgan-Monroe State Forest. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 11 N., R. 1 E. Drilled unused artesian well in rock, diam 8 in, depth 45 ft. Lsd about 670 ft above msl. MP edge of hole in pumpbase, 0.47 ft above lsd. Highest water level 1.75 below lsd, Dec. 18, 1950; lowest 12.93 below lsd, Sept. 30, 1956. Records available: 1945-62. Measurements made by State Forest personnel. Rocks plugging well; measurement discontinued.

Mg 3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8, 1958	5.63	Jan. 29, 1959	5.93	Jan. 7, 1960	6.13	Dec. 15, 1960	7.23
14	5.83	Feb. 5	6.03	14	5.93	22	7.33
23	5.43	12	5.83	21	6.03	26	7.13
Feb. 5	5.63	19	6.03	28	6.23	Jan. 5, 1961	7.23
14	5.93	28	5.83	Feb. 3	6.43	12	7.43
19	6.33	Mar. 6	5.93	11	6.03	18	6.53
25	6.43	13	5.63	18	6.33	26	6.33
Mar. 6	6.33	19	5.73	25	6.13	Feb. 2	6.13
14	6.13	25	5.63	Mar. 5	5.93	9	6.33
24	6.03	31	5.83	10	6.33	16	6.23
31	6.23	Apr. 2	5.73	17	6.13	23	6.03
Apr. 16	6.63	9	5.53	24	6.03	Apr. 21	5.52
30	6.73	16	5.83	31	5.83	28	5.47
May 6	6.63	23	5.63	Apr. 7	5.43	May 6	5.50
10	6.43	30	5.83	14	5.63	12	5.52
21	6.23	May 8	6.03	21	5.53	19	5.51
29	6.43	14	5.73	28	5.73	26	5.47
June 6	6.63	21	5.53	May 5	5.93	June 3	5.47
20	6.13	28	5.83	12	5.73	9	5.47
27	6.43	June 5	5.63	19	5.53	30	5.52
July 5	6.23	12	5.33	26	5.63	July 8	7.23
12	6.03	18	5.53	June 3	6.23	15	6.63
19	6.13	25	6.43	9	6.03	22	5.73
27	6.33	July 2	7.63	16	5.53	29	5.53
Aug. 4	6.13	9	8.13	23	4.43	Aug. 12	6.83
12	6.63	16	8.23	30	5.33	Sept. 1	7.23
22	6.73	23	8.43	July 7	6.13	9	7.33
29	6.93	30	8.53	14	6.33	16	7.23
Sept. 3	6.23	Aug. 6	6.73	21	6.53	23	7.43
11	6.33	13	7.93	28	6.73	30	8.43
18	6.23	20	8.13	Aug. 4	6.63	Oct. 7	7.53
23	6.43	27	7.64	11	6.83	13	8.63
30	6.33	Sept. 3	7.43	18	6.93	20	8.53
Oct. 6	6.33	9	7.63	25	6.93	28	8.23
13	6.53	17	7.93	Sept. 1	6.73	Nov. 4	6.53
20	6.63	24	7.43	8	6.83	11	7.03
27	6.83	Oct. 2	7.23	15	6.93	17	7.23
Nov. 5	6.73	8	6.83	22	6.83	25	7.03
12	6.63	15	6.33	29	7.13	Dec. 1	6.43
18	6.33	21	6.63	Oct. 6	7.63	Feb. 26, 1962	5.25
28	6.13	29	6.93	13	7.73	Mar. 15	6.10
Dec. 6	6.33	Nov. 5	7.23	20	7.93	22	5.10
10	6.43	12	6.43	27	7.83	29	5.60
17	6.53	19	6.23	Nov. 3	7.93	Apr. 5	5.60
23	6.43	24	6.43	10	7.73	12	5.50
29	6.53	Dec. 2	6.33	17	7.83	19	5.40
Jan. 8, 1959	6.63	4	6.53	24	8.03	26	6.00
15	6.33	18	6.23	Dec. 1	7.73	May 3	6.10
22	6.03	25	6.03	8	7.43	10	5.80

Owen County

Ow 5. David R. Bronson. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, T. 12 N., R. 4 W. Dug unused artesian well in sandy clay, diam 26 in, depth 19 ft, cribbed with stone. On June 25, 1958 ar 8-in slotted steel casing was set to a depth of 17 ft and well backfilled with coarse gravel. Lsd about 780 ft above msl. MP top of casing, 1.62 ft above lsd (since June 25, 1958). Highest water level 0.26 below lsd, Mar. 21, 1962; lowest 13.72 below lsd, Feb. 23, 1954. Records available: 1946-62. Recorder installed Oct. 20, 1958. Measurements made by Lieber State Park personnel.

Jan. 2, 1958	1.76	Feb. 27, 1958	6.34	July 1, 1958	1.97	Sept. 3, 1958	4.71
8	2.86	Mar. 6	7.11	15	2.02	10	5.82
15	3.86	26	4.03	22	3.72	16	6.67
22	2.85	Apr. 16	2.66	29	4.89	23	6.97
29	2.20	May 15	2.75	Aug. 5	1.97	30	6.96
Feb. 5	2.70	22	2.70	19	2.10	Oct. 7	6.77
13	3.75	June 24	1.61	26	3.15	14	7.15
19	4.99						

Ow 5--Continued.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.96	1.13
10	8.17	2.09
15	8.43	3.15
20	2.12	4.31
25	6.99	2.11	5.61
Eom	7.77	....	6.83

1959

5	5.25	1.86	1.05	1.02	2.13	....	e7.28	8.69	9.40	10.09	10.60	9.95
10	5.57	.70	.84	1.12	3.17	....	7.71	8.78	9.53	10.18	10.72	10.04
15	5.30	.99	.75	1.77	1.29	3.12	8.00	8.92	9.66	10.25	10.32	3.51
20	4.18	1.49	1.59	1.26	1.91	4.21	8.16	9.07	9.77	10.34	9.93	3.73
25	2.55	1.35	2.09	1.96	1.97	5.45	8.35	9.16	9.86	10.38	9.77	4.22
Eom	2.46	1.36	1.39	1.12	e2.28	6.62	8.56	9.27	9.97	10.53	9.87	2.95

1960

5	(k)	0.88	....	1.74	(k)	2.59	3.03	....	9.08	9.81	10.53	11.20
10	....	.69	....	2.44	1.93	(k)	4.27	8.12	9.22	9.92	10.67	11.30
15	1.60	1.88	....	2.89	2.28	2.81	5.28	8.35	9.32	10.04	10.80	11.37
20	1.80	2.38	....	3.59	1.56	3.61	6.12	8.54	9.46	10.18	10.89	11.44
25	2.74	2.66	1.41	4.07	1.38	1.70	6.96	8.72	9.59	10.28	10.98	....
Eom	1.89	2.92	1.16	....	1.18	2.50	7.43	8.93	9.70	(k)	(k)	....

1961

5	11.67	....	....	....	1.45	4.62	7.73	9.30	10.11	e10.87	11.71	....
10	11.77	12.17	10.94	....	(k)	5.00	8.20	9.41	....	e10.98	11.82	....
15	11.86	12.23	10.88	....	1.74	5.10	e8.45	9.57	....	e11.10	....	11.16
20	11.94	....	....	.99	1.61	5.46	(k)	e9.70	....	10.52	....	....
25	(k)	....	....	.34	2.48	6.19	8.88	e9.82	(k)	10.64	....	e2.99
Eom	....	....	....	1.40	3.63	7.13	....	9.97	e10.75	11.17	12.05	3.46

1962

5	e3.51	2.09	1.67	1.60	1.31	6.73	7.27	(k)	9.86	10.40	11.12	11.83
10	2.22	2.69	1.13	1.21	....	7.36	7.82	9.15	9.95	10.52	11.26	11.97
15	1.96	2.33	1.11	1.50	2.01	3.58	(k)	9.31	9.97	10.63	11.39	12.11
20	2.47	2.19	.94	2.16	3.17	4.48	....	9.44	10.09	10.74	11.51	12.22
25	1.99	1.03	.95	2.16	4.27	5.69	....	9.61	e10.22	10.83	11.61	(k)
Eom	1.67	1.01	1.23	1.40	5.81	6.19	....	9.76	e10.31	11.04	....	12.53

e Estimated.

k Other measurements available near this date.

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. Dug and drilled unused artesian well in rock, diam 36 to reported 6 in, depth 25 ft. Lsd about 468 ft above msl. MP edge of hole in concrete cover, 1.00 ft above lsd. Highest water level 2.42 below lsd, July 12, 1961; lowest 13.55 below lsd, Dec. 15, 1954. Records available: 1936-62. Measurements made by Pike County State Forest personnel.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1958	5.73	June 4, 1958	6.46	Nov. 5, 1958	7.80	Apr. 22, 1959	6.33
8	6.15	11	6.82	12	8.07	29	6.46
15	6.55	18	7.06	26	7.63	May 6	6.73
22	5.80	25	7.20	Dec. 3	7.45	27	6.60
29	5.63	July 2	7.37	10	7.19	June 3	6.50
Feb. 5	5.70	9	7.45	17	7.08	10	5.60
12	6.18	16	7.08	24	7.17	17	5.76
19	6.63	23	5.80	31	7.42	24	6.59
26	6.70	30	5.77	Jan. 7, 1959	7.42	July 1	6.89
Mar. 4	7.02	Aug. 6	5.57	14	7.38	8	7.27
12	6.70	13	5.73	21	5.17	15	7.66
19	6.48	20	6.06	28	5.46	22	7.77
26	5.30	27	6.35	Feb. 4	5.70	27	7.80
Apr. 2	5.48	Sept. 3	6.72	11	5.73	Aug. 5	7.60
9	5.80	10	6.80	18	4.72	12	7.64
16	6.07	17	7.35	25	5.18	19	7.75
23	6.18	24	7.38	Mar. 4	5.27	26	7.90
30	5.80	Oct. 1	7.44	11	5.40	Sept. 2	8.02
May 7	4.43	8	7.50	25	5.45	9	8.30
14	4.70	15	7.71	Apr. 1	5.65	16	8.82
21	5.46	22	7.78	8	5.78	23	8.37
28	5.70	29	7.73	15	6.12	30	8.27

Pi 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 14, 1959	7.88	Aug. 3, 1960	6.73	June 14, 1961	5.70	Mar. 21, 1962	5.41
21	7.29	10	6.79	21	6.09	28	5.31
28	7.50	24	7.07	28	6.29	Apr. 11	5.56
Nov. 4	7.49	31	7.41	July 5	5.28	18	5.59
11	7.56	Sept. 7	7.60	12	2.42	25	6.01
18	7.57	14	7.77	19	5.74	May 2	6.77
25	7.34	21	8.07	26	6.54	9	6.49
Dec. 1	7.52	28	8.34	Aug. 9	7.31	16	6.63
9	7.54	Oct. 5	8.54	16	7.38	23	6.79
16	7.38	13	8.66	23	7.51	31	6.89
30	6.77	19	8.80	30	7.71	June 6	6.69
Jan. 6, 1960	6.71	26	8.76	Sept. 6	7.89	13	6.52
20	6.40	Nov. 2	8.76	13	8.21	20	6.60
27	6.45	9	9.04	20	8.46	27	6.59
Feb. 3	6.59	23	8.89	27	8.62	July 3	6.52
10	6.20	30	8.66	Oct. 4	8.74	11	6.69
17	6.21	Dec. 7	8.69	11	8.89	18	6.89
24	6.35	14	8.34	18	9.06	25	7.09
Mar. 10	6.30	21	8.52	25	9.02	Aug. 1	7.29
16	6.28	28	8.15	Nov. 1	9.12	8	7.42
23	5.02	Jan. 18, 1961	7.89	8	9.14	15	7.52
30	5.30	25	7.85	15	9.37	22	7.82
Apr. 6	5.19	Feb. 1	7.90	22	9.01	29	7.58
13	5.42	15	7.68	29	8.60	Sept. 5	7.07
20	5.62	21	7.30	Dec. 6	8.38	19	6.91
May 4	6.07	Mar. 8	6.49	20	7.51	26	6.90
11	6.28	15	6.15	27	7.45	Oct. 3	7.24
18	6.47	29	5.70	Jan. 3, 1962	7.47	10	7.37
25	6.15	Apr. 5	5.95	10	7.38	17	7.67
June 1	5.80	12	5.13	17	7.35	24	7.89
8	6.02	19	5.55	24	6.89	31	7.74
15	6.22	26	4.50	31	6.63	Nov. 7	7.49
22	6.18	May 3	5.21	Feb. 7	6.78	14	7.26
29	6.23	10	3.32	14	6.71	21	6.88
July 6	6.11	17	4.16	21	6.68	28	6.88
13	6.22	24	5.00	28	4.77	Dec. 12	7.16
20	6.44	31	5.48	Mar. 7	5.32	19	7.29
27	6.60	June 7	5.53	14	5.24	26	7.36

Posey County

Py 2. Mary M. Wade. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 5 S., R. 12 W. Drilled unseal artesian well in rock, diam 6 in, depth 236 ft. Lsd about 430 ft above msl. MP edge of 1-in hole in recorder base, 2.81 ft above lsd. Highest water level 0.05 above lsd, Jan. 22, 1962; lowest 14.95 below lsd, Nov. 30, Dec. 6, 1954. Records available: 1947-62.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.00	5.15	4.75	(k)	....	4.25	4.75	....	5.35	6.55	6.95	....
10	....	5.20	4.75	4.00	3.65	4.20	4.85	e4.55	5.50	6.60	7.20	....
15	....	4.80	4.50	4.00	e3.65	4.40	....	4.65	5.75	6.85	7.30	....
20	....	5.10	4.35	(k)	3.75	4.50	....	4.70	5.90	6.90	7.35	....
25	....	4.15	4.15	4.25	3.90	4.80	4.25	4.90	6.20	6.95	7.35	6.70
Eom	5.20	e4.75	4.05	e4.00	3.90	4.85	4.35	e5.10	6.55	7.00	....	e6.00
1959												
5	6.25	4.75	3.50	....	4.35	4.50	5.00	5.90	e6.70	....	6.50	5.70
10	6.25	....	3.70	3.85	4.35	....	5.20	6.15	(k)	6.60	e6.05	5.30
15	5.85	(k)	....	3.85	4.30	4.65	5.45	6.20	....	6.70	e6.10	5.60
20	....	4.40	....	3.90	4.35	4.75	5.50	6.30	....	6.60	5.60	5.45
25	e4.90	4.05	e3.42	e3.70	4.40	4.80	5.70	6.40	7.10	6.25	6.00	....
Eom	(k)	3.95	3.30	....	4.35	4.90	e5.95	6.40	7.05	e6.30	5.90	4.95
1960												
5	4.75	3.85	4.10	3.45	3.70	(k)	(k)	....	....	7.20	8.20	8.00
10	4.75	3.85	3.85	3.60	3.60	4.10	....	(k)	....	7.55	....	7.60
15	4.50	4.25	3.75	3.45	3.80	4.05	....	(k)	6.30	7.80	8.05	7.40
20	4.60	(k)	....	(k)	....	4.25	....	....	6.60	7.95	8.35	7.25
25	4.20	4.00	3.70	3.75	....	4.35	....	5.50	6.95	7.85	8.15	7.15
Eom	4.25	(k)	3.35	3.80	....	....	....	5.80	7.10	7.85	8.30	(k)

e Estimated.

k Other measurements available near this date.

Py 2--Continued.

1961											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	6.85	....	4.90	4.20	3.65	(k)	(k)	5.05	5.80	7.35	8.80 (k)
10	6.80	5.85	4.75	(k)	....	....	4.65	5.30	6.10	7.55	8.75 8.40
15	(k)	5.85	4.40	....	(k)	3.80	....	5.40	6.45	7.85	8.55 8.30
20	(k)	5.75	4.30	....	....	3.90	4.75	5.45	6.55	8.10	9.00
25	6.25	5.20	(k)	....	3.25	....	5.10	5.55	6.80	....	8.85 7.45
Eom	6.15	5.30	4.25	....	3.45	4.25	5.15	5.65	7.00	8.35	8.85 7.20
1962											
5	6.70	(k)	4.20	3.80	3.90	4.50	5.70	7.20	(k)	10.12	10.85 10.75
10	7.10	5.05	4.00	3.60	3.90	4.80	5.95	7.60	9.25	10.30	10.75 h1.23
15	6.15	4.85	4.20	3.65	4.15	4.90	6.15	7.90	9.40	10.50	10.85 (k)
20	6.25	4.55	(k)	3.70	4.10	5.00	6.40	8.10	9.80	10.45	10.65 11.00
25	5.50	....	3.75	3.70	4.25	5.35	6.75	8.50	9.85	10.90	11.20 (k)
Eom	5.30	(k)	3.65	3.70	4.50	5.50	6.95	8.75	9.90	10.75	11.00 10.90

e Estimated.

h Tape measurement.

k Other measurements available near this date.

Pulaski County

Pu 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. Drilled unused artesian well in rock, diam 4 in, reported depth 149 ft, cased to 60. Lsd about 706 ft above msl. MP east side of inner lip of manhole ring, at lsd. Highest water level 4.09 below lsd, Dec. 27, 1961, Jan. 3, 10, 17, Apr. 11, 18, Aug. 20, 1962; lowest 12.14 below lsd, Dec. 1, 1935. Records available: 1935-42, 1944-62. Measurements made by State Game Preserve personnel.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1958	6.92	Apr. 1, 1958	6.91	July 6, 1960	6.98	June 28, 1961	8.91
17	7.00	8	6.95	13	6.99	July 5	8.92
Feb. 26	7.93	15	6.96	27	6.98	12	5.07
Mar. 5	7.92	22	6.97	Aug. 3	6.99	19	5.08
12	6.98	29	6.98	10	6.98	26	5.08
27	6.99	May 6	6.99	17	6.98	Aug. 2	5.08
Apr. 4	6.98	13	6.99	24	6.97	9	5.08
10	6.97	20	6.97	31	6.97	16	5.08
June 4	7.59	27	6.96	Sept. 7	6.96	23	5.07
11	6.95	June 18	7.02	14	6.91	30	5.08
18	7.93	24	7.03	Oct. 6	7.01	Sept. 6	5.07
24	7.91	July 15	8.01	12	7.00	13	5.08
July 9	6.93	22	8.08	19	7.02	20	5.08
16	6.97	28	8.07	26	7.01	27	5.08
23	6.94	Aug. 5	8.05	Nov. 3	7.02	Oct. 4	5.02
29	6.93	12	8.07	23	7.02	11	5.09
Aug. 6	6.91	25	8.09	30	7.03	18	5.09
20	7.00	Sept. 2	8.07	Dec. 7	7.03	25	5.09
27	6.94	9	9.01	14	7.04	Nov. 1	5.09
Sept. 10	7.02	16	9.01	28	7.05	8	6.00
17	7.03	Oct. 14	9.01	Jan. 4, 1961	7.05	15	5.90
24	7.05	Nov. 4	8.07	18	7.03	22	6.00
Oct. 2	7.08	18	8.05	Feb. 8	7.03	29	5.09
8	7.07	Dec. 2	7.09	15	7.03	Dec. 6	5.07
16	7.07	9	7.05	Mar. 1	7.03	13	5.06
Nov. 5	7.08	16	7.05	8	7.03	20	5.01
12	7.08	Jan. 6, 1960	7.01	15	7.04	27	4.09
19	7.09	13	6.04	22	7.04	Jan. 3, 1962	4.09
26	7.09	Feb. 10	6.09	29	7.05	10	4.09
Dec. 3	7.08	18	6.08	Apr. 5	7.04	17	4.09
10	7.09	24	6.93	12	7.05	24	5.00
17	7.08	Mar. 9	6.94	19	7.00	31	5.02
31	8.00	24	6.95	26	6.08	Feb. 7	5.00
Jan. 13, 1959	7.07	Apr. 13	6.96	May 3	6.01	14	5.01
28	7.05	20	6.98	10	7.95	21	5.01
Feb. 5	7.05	May 4	6.99	17	7.94	28	5.00
18	7.06	12	6.97	24	7.00	Mar. 7	4.11
25	7.05	18	6.98	31	7.91	14	4.11
Mar. 4	7.00	June 1	6.97	June 7	7.94	21	4.11
18	7.00	8	7.00	14	7.95	28	4.10
25	7.01	15	6.99	21	8.92	Apr. 4	6.09

Pu 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 11, 1962	4.09	June 20, 1962	4.09	Aug. 29, 1962	5.01	Oct. 31, 1962	5.07
18	4.09	27	5.00	Sept. 5	5.00	Nov. 7	5.07
25	4.10	July 4	5.00	12	5.00	14	5.08
May 2	4.10	11	5.01	19	5.00	21	5.08
9	4.10	18	5.00	26	5.06	28	4.11
16	4.11	25	5.01	Oct. 3	5.08	Dec. 5	4.11
23	4.11	Aug. 1	5.01	10	5.07	12	4.11
30	4.11	8	5.00	17	5.07	19	4.11
June 6	4.11	15	5.01	24	5.08	26	5.00
13	4.11	22	5.01				

Randolph County

Ra 1. Artie V. Keys Estate. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 20 N., R. 14 E. Drilled domestic artesian well in limestone, diam 4 in, depth 157 ft, cased to 148. Lsd about 1,130 ft above msl. MP top northwest side of pipe, 5.87 ft below lsd. Highest water level 12.08 below lsd, Jan. 31, 1949; lowest 18.43 below lsd, Jan. 31, 1945. Records available: 1942-62.

Jan. 15, 1958	13.98	Apr. 15, 1959	13.32	July 31, 1960	15.84	Oct. 15, 1961	15.29
31	14.06	30	13.06	Aug. 15	16.21	31	15.56
Feb. 15	14.47	May 15	13.47	31	16.64	Nov. 15	15.84
28	14.46	31	14.01	Sept. 15	16.99	30	15.41
Mar. 15	14.45	June 15	14.65	30	17.28	Dec. 15	14.98
31	13.79	30	15.14	Oct. 15	17.43	31	14.85
Apr. 15	13.13	July 15	15.63	31	17.34	Jan. 15, 1962	14.64
30	13.30	31	15.83	Nov. 15	17.61	31	13.57
May 15	13.34	Aug. 15	16.30	30	17.68	Feb. 15	14.48
31	14.13	31	16.61	Dec. 15	17.67	28	14.27
June 15	12.48	Sept. 15	16.78	31	17.84	Mar. 15	14.09
30	12.80	30	17.14	Jan. 15, 1961	17.88	31	13.83
July 15	13.03	Oct. 15	16.88	31	17.88	Apr. 15	14.25
31	13.28	31	16.86	Feb. 15	17.90	30	14.44
Aug. 15	13.60	Nov. 15	16.54	28	15.83	May 15	14.11
31	13.97	30	16.05	Mar. 15	12.43	31	14.87
Sept. 15	14.43	Dec. 15	15.03	31	13.23	June 15	16.09
30	14.65	31	14.63	Apr. 15	13.36	30	15.17
Oct. 15	15.13	Jan. 15, 1960	13.72	30	12.71	July 20	13.87
31	15.41	31	13.54	May 15	13.02	31	13.99
Nov. 15	15.44	Feb. 15	12.92	31	14.41	Aug. 15	14.95
30	14.80	29	13.05	June 15	14.00	31	15.30
Dec. 15	14.43	Mar. 15	14.55	30	14.64	Sept. 15	15.59
31	14.82	31	13.67	July 15	14.67	Oct. 15	16.04
Jan. 15, 1959	14.24	Apr. 15	13.83	31	14.51	31	16.61
31	13.53	30	14.25	Aug. 15	14.37	Nov. 15	16.30
Feb. 15	13.06	May 15	14.58	31	14.89	30	16.22
28	12.95	31	14.58	Sept. 15	15.23	Dec. 15	16.36
Mar. 15	12.38	June 30	15.26	30	15.17	31	16.34
31	13.21	July 15	15.51				

Spencer County

Sp 6. State of Indiana. Lincoln State Park. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 5 S., R. 5 W. Drilled unused artesian well in rock, diam 4 in, reported depth 83 ft. Lsd about 475 ft above msl. MP top west side of casing, 0.20 ft above lsd. Highest water level 21.52 below lsd, Mar. 21, 1951; lowest 32.90 below lsd, Nov. 23, 30, 1961. Records available: 1944-62. Measurements made by Lincoln State Park personnel. Recorder installed Mar. 21, 1962.

Jan. 1, 1958	25.0	Mar. 18, 1958	22.9	June 3, 1958	24.7	Aug. 20, 1958	25.0
6	24.4	25	22.6	10	24.6	27	24.9
15	24.3	31	22.5	16	25.7	Sept. 2	25.9
21	23.9	Apr. 7	22.6	23	24.7	9	26.5
27	23.6	16	22.7	30	24.6	19	26.4
Feb. 3	23.2	21	22.6	July 8	25.0	24	27.3
12	23.0	May 1	22.3	14	25.2	29	27.4
19	22.9	6	22.1	23	24.9	Oct. 7	27.5
23	23.4	12	22.1	28	25.2	14	27.3
Mar. 3	23.3	19	22.0	Aug. 5	26.6	21	28.2
10	23.2	26	23.0	11	26.7	27	28.1

Sp 6--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 3, 1958	28.4	Sept. 9, 1959	29.6	July 14, 1960	26.50	May 18, 1961	24.90
10	28.5	16	28.2	19	27.40	25	25.20
20	27.9	22	28.1	25	27.20	June 1	25.90
24	28.0	Oct. 1	27.9	Aug. 2	28.20	8	26.40
Dec. 2	29.5	6	28.9	10	28.10	15	27.00
8	29.7	13	29.0	15	29.10	21	27.40
16	28.0	21	28.9	22	29.00	29	27.70
24	26.6	26	28.9	30	30.00	July 7	28.00
30	26.4	Nov. 2	28.2	Sept. 6	29.90	13	29.10
Jan. 7, 1959	26.3	9	28.1	13	30.00	20	29.50
12	25.4	16	27.6	19	30.40	26	30.00
22	25.0	23	27.3	26	30.30	Aug. 2	30.40
27	24.2	30	27.1	Oct. 7	29.90	10	30.40
Feb. 4	23.7	Dec. 7	27.1	11	30.20	17	30.50
11	23.3	14	27.0	17	31.10	24	30.90
17	23.2	21	26.9	26	31.00	30	31.10
23	23.0	28	25.9	Nov. 2	31.20	Sept. 6	31.30
Mar. 3	23.0	Jan. 4, 1960	25.20	7	31.30	13	31.40
10	22.9	11	25.40	15	31.40	21	31.90
17	22.9	18	24.70	22	31.50	27	31.90
23	22.9	25	24.40	30	31.30	Oct. 4	32.10
31	23.7	Feb. 1	24.50	Dec. 6	31.10	11	32.40
Apr. 7	23.6	8	24.60	13	31.00	18	32.60
15	23.5	16	24.70	19	31.30	25	32.70
20	23.4	22	22.90	27	31.20	Nov. 2	32.70
27	23.2	29	24.10	Jan. 3, 1961	31.00	9	32.70
May 5	23.1	Mar. 8	24.00	9	30.90	15	32.70
12	23.2	14	23.90	16	32.70	23	32.90
19	22.9	22	23.70	23	32.60	30	32.90
22	22.9	28	23.60	31	31.70	Dec. 6	32.70
26	23.0	Apr. 4	23.60	Feb. 7	31.30	13	32.70
June 4	24.3	11	23.50	14	30.00	20	31.60
8	24.4	18	23.40	21	29.90	27	31.20
18	25.0	26	23.30	27	29.70	Jan. 3, 1962	30.90
24	25.5	May 3	24.20	Mar. 6	29.50	10	30.60
July 2	25.7	12	24.10	15	27.00	17	30.00
8	25.6	17	23.90	23	25.90	24	29.10
14	26.7	23	23.90	30	26.50	31	28.20
23	26.0	31	24.40	Apr. 6	26.30	Feb. 8	28.10
30	28.0	June 6	24.40	13	26.00	14	27.90
Aug. 5	27.9	15	24.40	20	25.60	21	27.60
14	28.2	20	24.90	27	25.00	28	27.10
19	28.0	30	26.70	May 4	25.30	Mar. 7	26.70
25	27.9	July 5	26.60	11	25.00	14	26.40
Sept. 3	29.7						

Highest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.86	26.20	(k)	28.33	29.32	e30.24	29.26	27.28	27.21
10	25.87	26.50	e27.32	28.10	.....	29.86	29.11	27.00	27.18
15	25.95	26.72	27.13	28.09	h29.95	.....	(k)	27.72	27.33
20	26.06	.....	h27.42	28.31	(k)	(k)	28.35	27.33	27.56
25	26.13	25.71	27.57	27.72	h28.72	e30.56	29.22	28.40	27.25	27.47
Eom	25.96	25.94	27.66	28.01	e29.06	(k)	29.17	h28.43	27.19	27.13

e Estimated.

h Tape measurement.

k Other measurements available near this date.

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. Driven unused artesian well in gravel, diam 1 $\frac{1}{2}$ in, depth 14 ft. Lsd about 1,004 ft above msl. MP top of pipe, 2.00 ft above lsd. Highest water level 1.01 above lsd, Apr. 1, 1950; lowest 5.77 below lsd, Jan. 16, 1954. Records available: 1935-62. Measurements made by personnel of Pokagon State Park.

Sb 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1958	-1.43	Apr. 7, 1959	+0.44	Nov. 2, 1960	-3.89	Dec. 27, 1961	-1.33
Feb. 12	1.79	22	-.04	10	3.90	Jan. 3, 1962	1.45
19	2.12	30	+.36	16	2.67	10	1.27
26	1.18	6	.00	23	2.44	17	1.27
Mar. 5	.89	20	-.33	30	2.46	24	1.38
12	.70	27	.48	Dec. 7	1.05	31	1.21
19	.90	June 17	1.58	21	2.48	Feb. 7	1.13
26	1.02	24	2.00	28	2.89	14	1.28
Apr. 2	1.20	July 1	2.05	Jan. 25, 1961	3.42	21	1.38
9	.69	8	2.44	Feb. 8	2.32	28	1.07
16	.79	22	3.01	15	2.16	Mar. 7	1.18
24	.70	29	3.10	22	1.20	14	-.32
30	1.18	Aug. 5	3.35	Mar. 1	.98	21	+.68
May 7	1.14	Sept. 2	4.27	8	.65	28	.98
14	1.45	16	4.71	15	-.30	Apr. 4	.61
21	1.92	Oct. 7	4.45	22	+.64	11	.52
June 5	2.10	14	4.23	29	-.60	18	.49
11	2.04	21	4.20	Apr. 5	+.17	25	.19
18	2.18	28	4.15	12	.21	May 2	.31
25	2.11	Nov. 11	3.55	19	.83	9	+.23
July 2	2.86	18	2.25	26	.73	16	-.08
9	2.69	Dec. 2	2.25	May 3	.21	23	.48
17	1.38	16	1.78	10	.30	30	.26
24	1.78	30	1.59	17	.92	June 6	.36
30	1.90	Jan. 21, 1960	.62	24	.66	13	.71
Aug. 6	1.86	28	.71	June 7	+.24	20	1.02
14	2.31	Feb. 24	.58	14	-.81	27	1.33
20	2.33	Mar. 9	1.07	21	.92	July 4	1.24
26	2.36	16	1.08	28	.34	11	1.61
Sept. 3	2.70	30	.23	July 5	.70	18	1.93
10	2.37	Apr. 6	.35	12	1.07	25	2.02
17	1.36	13	-.63	19	1.07	Aug. 1	2.28
24	1.44	20	+.07	26	1.12	8	2.46
Oct. 1	1.79	May 11	-.15	Aug. 2	1.05	15	2.71
22	2.19	June 1	.28	9	1.26	22	3.00
29	2.28	8	-.73	16	1.54	29	3.18
Nov. 5	2.30	17	+.23	23	1.79	Sept. 5	3.37
13	2.34	22	-.87	Sept. 6	2.08	12	3.50
20	1.10	28	.36	13	2.15	19	3.72
26	1.11	July 6	.54	20	2.38	26	3.80
Dec. 3	1.32	14	1.90	27	2.32	Oct. 3	4.06
11	1.53	20	1.32	Oct. 4	2.25	10	4.86
17	1.70	27	1.44	11	2.42	17	4.00
28	1.50	Aug. 3	1.76	18	2.52	24	4.00
31	1.80	10	2.85	25	2.53	31	4.80
Jan. 21, 1959	1.33	17	2.18	Nov. 1	2.43	Nov. 7	4.00
28	1.40	26	2.85	8	2.41	13	4.02
Feb. 4	1.38	30	2.12	15	2.24	21	4.00
Mar. 4	.05	Sept. 7	2.85	22	1.46	28	4.02
13	.10	14	2.75	29	1.34	Dec. 5	4.06
18	.20	Oct. 4	3.00	Dec. 6	1.26	12	4.08
25	.27	12	3.90	13	1.30	19	4.11
Apr. 1	-.02	26	3.08	20	1.35	26	4.10

Switzerland County

Sw 1. Walker Estate. SW $\frac{1}{4}$ (previously reported SE $\frac{1}{4}$) NE $\frac{1}{4}$ sec. 8, T. 2 N., R. 1 W. Dug domestic water-table well in sandy clay, diam 4 ft, depth 24 ft, cribbed with brick to 24. Lsd about 870 ft above msl. MP top north side of 3-in concrete curb, 1.00 ft above lsd. Highest water level 1.60 below lsd, June 23, 1960; lowest 21.90 below lsd, Dec. 2, 15, 1944. Records available: 1944-62.

Jan. 2, 1958	8.4	Feb. 21, 1958	14.8	Apr. 11, 1958	8.6	May 31, 1958	13.4
10	12.5	27	15.9	19	10.4	June 7	15.2
14	13.4	Mar. 7	15.5	May 2	9.1	13	13.7
23	8.7	15	15.8	7	3.0	20	14.4
31	7.8	22	11.5	10	4.4	25	15.6
Feb. 7	10.5	27	7.1	17	9.8	July 7	16.6
14	13.2	Apr. 3	9.8	24	11.5	12	16.4

Sw 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 19, 1958	15.8	Aug. 28, 1959	17.0	Oct. 15, 1960	18.10	Dec. 15, 1961	14.20
28	7.0	Sept. 5	16.9	20	18.10	22	11.10
Aug. 2	7.0	12	17.4	30	18.20	Jan. 8, 1962	11.30
16	14.4	21	17.8	Nov. 5	18.30	13	11.70
23	15.7	26	17.8	12	17.90	20	10.70
30	16.2	Oct. 10	17.7	18	18.00	22	6.40
Sept. 5	16.7	17	17.6	25	18.00	26	7.30
13	17.1	24	17.7	Dec. 4	17.90	Feb. 2	9.70
20	17.0	31	17.8	9	18.10	10	11.80
27	14.1	Nov. 6	16.7	17	18.00	16	12.10
Oct. 10	16.1	14	16.9	26	18.10	23	5.50
18	16.8	21	16.8	Jan. 7, 1961	17.80	26	3.10
25	16.7	28	16.1	13	18.10	Mar. 2	3.60
Nov. 1	17.4	Dec. 6	14.8	21	16.70	9	5.50
8	17.5	12	13.5	27	17.70	16	7.10
14	17.6	18	9.7	Feb. 3	16.70	25	5.20
21	17.3	26	12.3	10	16.70	31	7.40
Dec. 6	12.4	Jan. 2, 1960	11.40	17	16.80	Apr. 6	8.80
13	12.0	9	11.20	24	10.70	15	11.70
20	14.2	15	6.80	28	6.70	21	12.20
27	15.8	23	7.80	Mar. 3	4.70	28	14.70
Jan. 2, 1959	16.0	29	11.80	6	2.00	May 7	15.90
9	14.9	Feb. 5	11.70	10	3.60	12	15.90
16	13.9	12	4.60	13	4.20	19	16.20
21	4.1	18	8.40	18	6.40	28	15.70
22	3.1	25	10.70	24	3.90	June 2	16.20
23	4.2	Mar. 4	11.20	31	8.10	9	16.70
26	6.8	11	13.10	Apr. 9	10.70	16	16.30
29	9.2	17	12.20	15	5.20	23	16.60
31	8.9	26	11.00	22	7.30	30	17.40
Feb. 4	9.4	Apr. 1	11.70	29	7.70	July 7	17.10
7	10.8	9	8.70	May 10	1.70	14	16.80
14	5.0	16	12.10	13	4.10	16	15.70
15	3.1	24	14.90	19	8.70	23	10.00
20	6.0	30	14.80	June 2	14.60	28	13.60
27	7.1	May 7	16.40	9	12.00	Aug. 5	15.70
Mar. 7	7.2	14	16.40	18	8.40	10	16.20
13	7.6	21	17.10	25	13.70	18	16.70
21	9.5	27	15.50	July 1	15.30	25	17.30
27	9.6	June 4	14.20	8	16.70	31	17.40
Apr. 5	12.9	11	14.20	14	16.70	Sept. 1	17.40
11	14.0	19	6.60	22	13.20	8	14.30
17	15.2	23	1.60	29	9.70	14	14.40
24	15.4	25	3.00	Aug. 13	13.10	22	15.70
May 2	15.6	July 2	3.70	26	16.60	29	16.40
15	15.3	8	7.70	Sept. 1	17.70	Oct. 6	14.60
23	15.1	15	12.60	8	16.70	13	15.50
29	15.2	22	15.20	16	17.80	20	16.20
June 6	15.9	31	16.80	23	16.60	27	16.70
13	16.4	Aug. 5	16.60	30	18.20	Nov. 3	16.90
22	17.1	13	16.90	Oct. 7	18.20	9	17.00
July 9	16.9	20	17.30	14	17.80	17	13.70
18	17.3	26	17.50	20	18.40	28	15.80
24	17.3	Sept. 3	17.70	28	18.40	Dec. 8	15.90
31	16.2	17	18.00	Nov. 10	18.40	14	15.30
Aug. 10	16.6	24	18.10	26	18.60	22	16.40
14	16.8	30	18.10	Dec. 2	17.50	26	17.10
20	16.6	Oct. 7	18.20	10	16.50		

Tippecanoe County

To 7. State of Indiana. Purdue University Research Housing Project. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 23 N., R. 5 W. Drilled unused water-table well in sand and gravel, diam 8 in, depth 207 ft. Lsd about 679 ft above msl. MP 1-in hole in top of recorder platform, 1.55 ft above lsd (since Aug. 12, 1960). Highest water level 159.57 below lsd, May 5, 14, 1950; lowest 168.31 below lsd, Nov. 8, 1956. Records available: 1945-62.

Tc 7--Continued.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	165.23	164.78	164.92	164.66	165.40	165.87	165.20	164.54	163.96	164.24	164.29	164.49
10	.....	164.79	164.90	164.96	165.56	165.77	165.13	.....	163.92	164.34	164.44	164.67
15	(k)	164.78	164.87	165.01	165.60	165.78	165.05	164.46	163.90	164.33	164.47	164.70
20	164.97	164.99	164.91	165.03	165.75	165.64	164.93	164.26	164.08	164.20	164.70	164.99
25	164.85	164.77	164.89	165.50	(k)	165.31	164.83	164.19	164.16	164.45	164.38	.....
Eom	164.76	164.66	164.91	165.38	.....	165.20	164.63	164.01	164.09	164.49	164.40	(k)

1959

5	164.39	164.32	163.10	163.28	163.90	163.87	164.65	.....	166.18	166.45	.....	.....
10	.....	163.96	163.44	163.62	163.72	164.04	164.88	165.83	166.27	.....	.....	.....
15	164.39	164.12	163.05	.....	164.02	163.91	.....	165.89	166.10	.....	.....	.....
20	164.28	164.07	163.47	163.64	163.87	164.01	165.29	165.97	166.17	.....	.....	.....
25	164.43	163.73	163.39	163.67	163.94	164.14	165.53	166.05	166.27	.....	.....	.....
Eom	164.73	163.68	163.20	163.78	163.86	164.42	165.66	166.10	166.42	.....	.....	.....

1960

5	.....	.....	166.56	166.48	(k)	.....	.....	.....	166.80	167.15	167.18	167.19
10	.....	.....	166.41	166.51	.....	.....	.....	.....	167.09	167.18	167.33	167.24
15	.....	.....	166.06	166.59	.....	.....	.....	166.64	167.08	167.31	166.88	167.14
20	.....	.....	166.34	166.58	.....	.....	.....	166.57	167.20	167.18	167.21	167.26
25	.....	.....	166.24	166.77	.....	(k)	.....	166.58	167.28	167.01	167.11	166.99
Eom	.....	.....	166.42	166.78	.....	.....	.....	166.71	167.22	166.85	167.12	166.83

1961

5	166.78	166.96	167.08	166.10	166.01	165.52	165.70	165.97	166.05	166.17	166.45	166.47
10	166.85	166.87	166.18	165.99	166.08	165.56	165.57	166.02	166.05	166.25	166.14	166.48
15	166.74	.....	167.15	165.72	165.78	165.71	165.54	166.06	166.40	166.25	166.19	.....
20	166.85	167.18	167.01	165.72	165.71	165.42	165.68	166.04	166.12	166.34	166.57	.....
25	(k)	166.88	166.91	165.90	165.42	165.38	166.00	165.94	166.08	166.32	166.56	.....
Eom	166.75	167.16	166.28	166.10	165.46	165.63	166.06	165.92	166.06	166.13	166.51	.....

1962

5	h166.48	166.31	165.82	165.23	165.70	165.80	166.39	166.05	166.61	166.51	167.16	167.59
10	(k)	166.36	165.73	165.22	165.56	165.87	166.38	166.32	166.36	166.72	167.24	167.74
15	(k)	166.09	165.86	165.19	.....	h165.80	166.48	166.16	166.69	166.80	167.40	167.62
20	166.52	166.04	165.31	165.08	165.86	166.04	166.28	166.26	166.77	166.72	167.31	167.82
25	166.41	165.78	165.47	165.18	166.11	166.28	166.16	166.52	166.52	166.90	167.42	167.51
Eom	166.28	(k)	165.17	165.50	165.99	166.41	166.14	166.47	166.56	166.92	167.55	167.49

e Estimated.

h Tape measurement.

k Other measurements available near this date.

Vanderburgh County

Va 1. Flora Buente. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 5 S., R. 11 W. Dug unused artesian well, diam 42 in, depth 20 ft, cribbed with brick. Lsd about 445 ft above msl. MP top of plank well cover at painted arrow, 0.77 ft above lsd. Highest water level 0.19 below lsd, Mar. 18, 1951; lowest 14.29 below lsd, Feb. 13, 1955. Records available: 1947-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	6.22	June 15, 1958	7.10	Nov. 16, 1958	8.75	Apr. 26, 1959	4.82
12	6.42	22	7.58	23	9.16	May 3	5.09
19	6.48	29	7.78	30	9.18	10	5.72
26	6.56	July 6	8.10	Dec. 7	9.23	17	6.06
Feb. 2	5.03	13	8.08	14	9.28	24	6.48
9	5.43	20	7.88	21	9.47	31	7.07
16	5.13	27	7.68	28	9.55	June 7	7.68
23	4.32	Aug. 3	7.85	Jan. 4, 1959	9.51	13	8.14
Mar. 2	4.22	10	8.03	11	9.62	21	8.41
9	4.32	17	7.89	18	10.06	28	8.59
16	4.47	24	7.93	25	9.71	July 5	8.85
23	4.15	31	8.05	Feb. 1	6.85	12	8.98
31	3.23	Sept. 7	8.10	8	7.21	19	9.08
Apr. 6	3.49	14	8.16	15	6.47	26	9.25
13	3.73	21	8.18	22	4.97	Aug. 2	9.27
20	4.08	28	8.25	Mar. 1	4.81	9	9.15
27	4.23	Oct. 5	8.27	8	4.08	16	9.18
May 4	4.15	12	8.39	15	3.92	23	9.25
11	2.33	19	8.48	23	3.70	Sept. 6	9.38
18	3.53	26	8.57	29	3.60	13	9.40
25	4.57	Nov. 2	8.64	Apr. 5	3.84	20	9.41
June 8	5.25	9	8.72	19	4.51	27	9.35

Va 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 4, 1959	9.45	Aug. 14, 1960	8.55	May 28, 1961	4.25	Mar. 25, 1962	2.94
11	9.50	21	8.56	June 4	4.22	Apr. 1	1.66
18	9.53	28	8.63	11	5.13	8	2.57
Nov. 1	9.33	Sept. 4	8.71	25	6.82	15	3.07
15	9.47	11	8.78	July 2	7.53	22	3.68
22	9.48	18	8.85	9	7.66	28	4.06
29	9.46	25	9.00	16	8.58	May 6	4.50
Dec. 6	9.47	Oct. 2	9.10	Aug. 6	8.82	20	6.45
13	9.35	9	9.25	13	8.85	27	7.34
27	9.31	16	9.30	20	8.85	June 3	8.05
Jan. 3, 1960	8.45	23	9.51	27	8.82	10	8.16
10	8.03	30	9.58	Sept. 3	8.93	24	9.02
17	7.82	Nov. 6	9.64	10	8.96	July 1	9.28
24	6.35	13	9.80	17	9.18	8	9.69
31	5.99	27	9.83	24	9.26	15	9.46
Feb. 7	5.21	Dec. 4	9.33	Oct. 1	9.43	22	9.65
14	4.40	11	9.18	8	9.49	29	9.71
21	4.47	18	10.09	15	9.74	Aug. 5	9.76
28	3.50	25	10.09	22	9.86	12	10.02
Mar. 13	4.52	Jan. 1, 1961	10.08	29	10.05	19	10.11
20	3.03	8	10.03	Nov. 5	10.06	26	10.16
27	2.82	15	9.97	12	10.08	Sept. 2	10.16
Apr. 3	2.53	22	9.92	19	10.21	9	10.09
10	3.32	29	9.90	26	10.20	16	10.15
17	4.13	Feb. 5	9.77	Dec. 3	10.28	23	10.30
24	3.71	12	9.62	10	10.24	30	10.36
May 1	3.83	19	9.50	17	10.25	Oct. 7	10.39
8	2.61	26	9.26	24	10.25	14	10.37
15	3.40	Mar. 5	8.98	30	10.26	21	10.50
22	3.48	12	7.33	Jan. 7, 1962	9.45	28	10.52
29	4.42	19	6.61	14	9.70	Nov. 4	10.45
June 5	5.16	26	4.91	21	9.65	11	10.49
12	6.25	Apr. 2	4.89	28	8.91	18	10.45
19	6.93	9	4.86	Feb. 4	8.26	25	10.45
26	6.97	16	2.90	11	8.63	Dec. 2	10.47
July 3	8.07	23	2.85	18	8.04	9	10.46
10	8.27	30	3.63	25	5.29	16	10.45
17	8.38	May 7	3.79	Mar. 4	2.75	23	10.50
31	8.46	14	1.01	11	1.63	30	10.49
Aug. 7	8.49	21	2.76	18	2.33		

Wayne County

We 1. C. E. Rodenberg. Pershing. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 16 N., R. 12 E. Long unused water-table well in gravel, diam 42 in, depth 33 ft, cribbed with brick. Lsd about 957 ft above msl. MP top of plank well cover at opening for pump, 0.10 ft above lsd. Highest water level 24.60 below lsd, Feb. 27, 1950; lowest 32.18 below lsd, Dec. 20, 1954. Records available: 1945-62.

Jan. 3, 1958	30.32	Aug. 21, 1958	26.03	Apr. 4, 1959	27.79	Oct. 31, 1959	30.52
15	29.92	28	25.00	May 9	27.69	Nov. 7	30.52
22	29.80	Sept. 20	27.13	16	27.48	14	30.66
Feb. 11	29.65	Oct. 11	27.89	29	27.68	21	30.71
Mar. 3	29.86	17	27.89	June 6	27.68	28	30.72
12	29.90	Nov. 24	27.89	13	27.69	Dec. 5	31.06
Apr. 2	30.12	Dec. 6	27.89	20	27.91	12	31.07
17	30.19	10	29.44	26	26.92	19	30.93
28	30.19	18	29.45	July 3	28.83	26	30.99
May 6	30.15	22	29.67	11	28.86	Jan. 2, 1960	30.98
13	29.73	29	29.78	18	28.66	18	31.03
June 2	29.39	Jan. 7, 1959	29.78	Aug. 1	28.87	25	31.02
10	29.17	14	29.78	8	28.87	30	31.81
17	27.15	22	29.78	15	29.84	Feb. 6	31.04
23	26.36	29	28.27	22	29.32	27	30.38
30	26.26	Feb. 6	28.26	29	29.63	Mar. 12	30.16
July 9	26.42	12	27.78	Sept. 12	29.87	19	30.14
14	26.50	18	27.29	26	30.13	26	30.08
23	26.40	Mar. 4	27.82	Oct. 3	30.18	Apr. 9	30.06
31	26.44	14	27.79	11	30.18	16	30.08
Aug. 7	26.03	28	27.80	24	30.48	23	30.12

We 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 30, 1960	30.18	Apr. 8, 1961	29.66	Nov. 4, 1961	29.68	Jun. 9, 1962	28.92
May 7	30.23	15	29.40	11	29.75	16	29.06
14	30.28	22	29.10	18	29.80	23	29.18
21	30.32	29	28.10	25	29.94	30	29.38
28	30.35	May 6	26.90	Dec. 9	30.08	July 7	29.49
June 4	30.29	13	26.20	16	30.13	14	29.59
11	30.22	20	25.90	23	30.17	21	29.58
18	30.22	June 3	26.00	30	30.22	28	29.16
25	30.27	17	26.26	Jan. 13, 1962	30.28	Aug. 4	29.84
July 3	30.28	24	26.35	20	30.30	11	29.98
9	30.28	30	26.40	27	29.92	24	30.18
Dec. 7	31.44	July 8	26.78	Feb. 10	29.27	Sept. 1	30.28
17	31.50	15	27.00	17	29.20	8	30.38
24	31.50	29	27.20	24	29.20	15	30.46
30	31.60	Aug. 5	27.50	Mar. 10	28.67	22	30.58
Jan. 7, 1961	31.50	12	27.68	17	28.28	29	30.38
14	31.68	19	27.88	24	28.18	Oct. 6	30.71
21	31.68	26	28.13	31	28.00	13	30.81
28	31.64	Sept. 2	28.26	Apr. 7	27.92	24	30.98
Feb. 11	31.66	9	28.44	14	27.98	Nov. 6	31.05
17	31.77	16	28.57	21	28.04	17	31.10
25	31.60	23	28.72	28	28.15	24	31.20
Mar. 4	31.36	30	28.88	May 5	28.26	Dec. 1	31.24
11	31.07	Oct. 7	28.98	12	28.33	8	31.26
18	30.70	14	29.20	19	28.51	17	31.35
25	30.40	21	29.38	26	28.66	22	31.37
Apr. 1	30.06	28	29.50	June 2	28.86	29	31.42

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MAINE

By G. C. Prescott

The observation-well program in Maine was expanded during the period 1958 through 1962 in cooperation with the Maine Public Utilities Commission. Figure 5 shows the location of observation wells included in this report.

Well-Numbering System

Wells are designated by abbreviations derived from county names and serial numbers assigned within each county.

Well Descriptions and Water-Level Measurements

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

Androscoggin County

An 1. Ernest L. Libby. Auburn. Lat 44°02'27", long 70°12'41". Dug unused water-table well in marine deposits, diam 4 ft, depth 15 ft, cased with rock to 15. Lsd about 220 ft above msl. MP top of granite well curb, at lsd. Highest water level 0.42 below lsd, Aug. 15, 1962; lowest 8.15 below lsd, Oct. 15, 1959. Records available: 1959-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 9, 1959	4.95	May 28, 1960	4.16	Apr. 15, 1961	5.09	Mar. 16, 1962	4.74
31	5.15	June 16	3.30	29	5.06	28	4.40
Aug. 15	5.73	29	4.28	May 31	5.10	Apr. 16	4.49
31	6.57	July 15	4.46	June 15	5.07	28	4.50
Sept. 15	7.20	29	5.05	28	5.00	May 15	5.54
29	7.72	Aug. 15	5.40	July 17	4.84	29	4.46
Oct. 15	8.15	29	5.48	29	4.89	June 15	4.50
30	5.64	Sept. 15	5.81	Aug. 15	4.95	28	4.59
Nov. 16	4.14	28	6.18	28	5.49	July 15	4.58
28	3.35	Oct. 15	6.45	Sept. 15	6.21	30	4.56
Dec. 15	3.97	29	4.62	28	6.65	Aug. 15	.42
30	4.15	Nov. 15	4.79	Oct. 15	7.09	29	4.40
Jan. 15, 1960	4.13	29	4.80	29	7.18	Sept. 15	4.77
27	4.12	Dec. 16	4.85	Nov. 15	5.07	28	5.06
Feb. 15	3.99	31	5.13	28	4.55	Oct. 15	4.32
29	4.25	Jan. 16, 1961	5.15	Dec. 14	4.59	30	3.70
Mar. 16	4.31	30	5.24	28	4.57	Nov. 15	3.42
29	4.39	Feb. 16	5.31	Jan. 15, 1962	4.63	28	4.30
Apr. 15	4.18	27	5.13	28	4.53	Dec. 15	4.35
29	4.13	Mar. 16	5.29	Feb. 15	4.82	28	4.41
May 16	4.00	29	5.08	26	5.35		

Aroostook County

Ar 1. H. L. Stevens. Portage Lake. Lat 46°46'19", long 68°28'04". Dug and driven unused water-table well in sand, diam 28 in, depth 8 ft. On May 13, 1958 a well point and a 1½-in pipe were driven 3 ft below bottom of well. Lsd about 930 ft above msl. MP top of 1½-in pipe, 2.00 ft above lsd (since May 13, 1958). Highest water level flowing, Dec. 21, 1957; lowest dry several times, 1947-48, 1950, 1952-53, 1955, 1957, 1960. Records available: 1939-62.

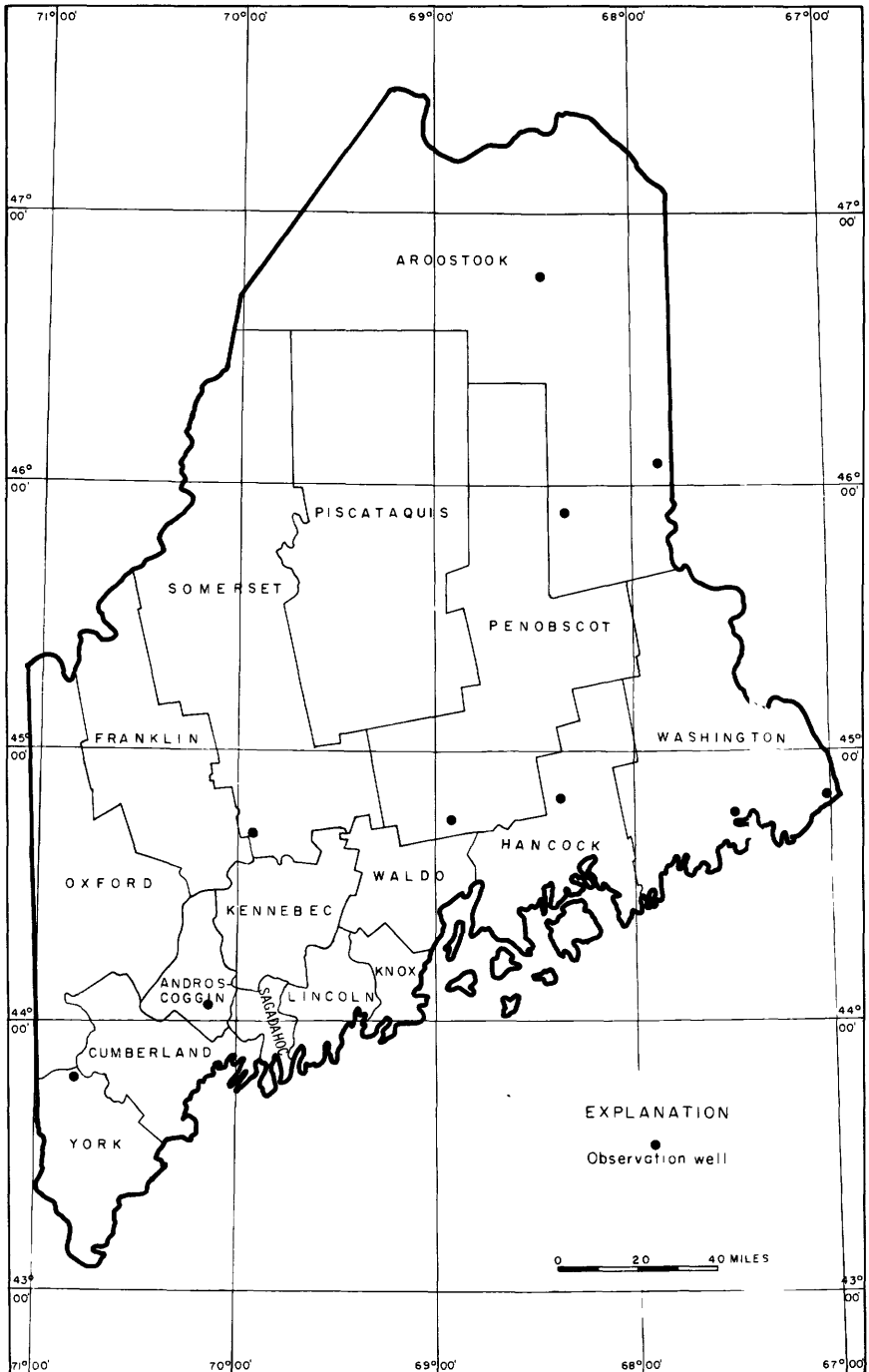


Figure 5. -- Location of observation wells in Maine, 1958-62.

Ar 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	1.20	May 15, 1959	2.33	Sept. 28, 1960	(f)	Nov. 15, 1961	5.12
15	3.90	28	3.99	Oct. 13	(f)	29	2.66
29	6.30	June 12	5.40	31	3.49	Dec. 14	2.47
Feb. 17	5.22	30	3.34	Nov. 14	2.87	30	2.09
Apr. 19	.34	July 14	5.05	30	3.30	Jan. 15, 1962	3.50
28	1.65	Aug. 14	5.26	Dec. 15	4.49	30	5.60
May 14	2.19	29	5.40	30	2.83	Feb. 14	6.70
29	2.65	Sept. 14	3.85	Jan. 15, 1961	5.10	27	7.20
June 11	4.75	28	5.95	30	5.90	Mar. 14	7.60
27	3.52	Oct. 13	3.99	Feb. 14	6.43	29	.90
July 14	4.32	29	2.40	28	7.45	Apr. 14	1.79
29	2.80	Nov. 28	.80	Mar. 14	8±	30	1.93
Aug. 11	2.34	Dec. 15	2.05	30	6.47	May 15	2.59
26	1.58	Jan. 29, 1960	7.11	Apr. 15	1.96	30	3.27
Sept. 12	3.52	Feb. 15	4.65	28	.00	June 15	3.50
30	6.20	29	5.45	May 15	1.31	30	4.82
Oct. 15	6.73	Mar. 15	5.94	31	1.30	July 14	3.25
28	6.26	31	5.94	June 14	2.97	30	1.00
Nov. 14	4.39	Apr. 15	1.55	29	4.93	Aug. 15	3.50
26	2.77	29	.15	July 15	5.89	30	4.63
Dec. 15	5.30	May 14	.52	29	6.61	Sept. 14	5.90
31	6.56	30	3.28	Aug. 15	7.76	29	6.65
Jan. 13, 1959	6.95	June 14	2.84	30	2.94	Oct. 10	7.20
30	5.20	29	4.02	Sept. 14	2.13	15	7.20
Feb. 13	6.18	July 14	6.09	29	1.60	30	6.19
Mar. 31	7.20	28	7.14	Oct. 16	2.70	Nov. 15	1.64
Apr. 15	.96	Aug. 12	(f)	30	4.45	30	2.75
29	.55	30	(f)				

f Dry.

Ar 2. Truman P. Young. Sherman Mills. Lat 45°56'11", long 68°19'01". Dug and drilled unused water-table well 0-12 ft in sand, 12-31 ft in bedrock, diam 28 to 8 in, depth 31 ft, cased with field stone 0-12, 8-in tile 12-31. Lsd about 10 ft above msl. MP horizontal staple in 2- x 4-in block, 2.32 ft above lsd. Highest water level overflowing nearly every spring; lowest 17.48 below lsd, Oct. 25, 1953. Records available: 1939-62.

Jan. 5, 1958	3.03	June 29, 1958	13.38	Oct. 30, 1959	1.57	Mar. 31, 1961	13.71
20	6.26	July 29	14.53	Nov. 30	.78	June 30	10.11
Feb. 2	10.45	Aug. 31	13.87	Jan. 31, 1960	12.50	Aug. 31	14.40
16	11.85	Sept. 28	14.53	Feb. 29	10.62	Nov. 30	3.70
Mar. 9	10.18	Oct. 31	3.62	Apr. 30	.85	Oct. 11, 1962	13.28
Apr. 6	.91	Dec. 30	12.76	Aug. 30	14.91	30	13.08
9	1.09	Feb. 28, 1959	13.63	Nov. 30	11.40	Nov. 16	1.50
27	.62	Apr. 28	.85	Jan. 31, 1961	13.19	30	2.62
May 18	3.08	June 30	6.25	Mar. 1	12.54	Dec. 30	10.17
June 15	12.48	July 30	11.74				

Ar 3. Ralph W. Williams. Houlton. Lat 46°06'55", long 67°51'20". Drilled unused artesian well in bedrock, diam 6 in, depth 90 ft, cased with steel. Lsd about 370 ft above msl. MP hole in top of pumpbase, at lsd. Highest water level 10.93 below lsd, Apr. 15, 1960; lowest 25.91 below lsd, Oct. 15, 1960. Records available: 1958-62.

Oct. 29, 1958	17.54	Nov. 15, 1959	14.06	Nov. 30, 1960	18.43	Jan. 30, 1962	16.76
Nov. 15	16.37	30	12.00	Dec. 15	19.22	Feb. 15	19.10
30	14.84	Dec. 15	12.35	Jan. 16, 1961	17.70	28	21.10
Dec. 15	16.78	30	14.05	31	19.28	Mar. 15	20.98
30	18.12	Jan. 15, 1960	14.40	Feb. 15	21.98	30	18.95
Jan. 15, 1959	19.99	30	16.67	28	23.94	Apr. 15	15.34
30	17.92	Feb. 15	15.91	Mar. 16	24.34	30	14.38
Feb. 15	19.54	28	15.82	30	17.83	May 15	13.99
28	21.97	Mar. 15	17.33	May 17	12.37	30	14.18
Mar. 15	23.85	31	17.05	30	11.59	June 15	14.43
30	16.36	Apr. 15	10.93	June 15	13.16	30	15.66
Apr. 15	12.91	May 30	13.79	July 30	15.85	July 16	14.06
30	12.28	June 15	12.28	Aug. 15	17.98	30	13.88
May 30	13.97	July 15	15.67	Sept. 30	15.57	Aug. 15	13.08
June 15	14.83	30	15.48	Oct. 30	14.77	Sept. 15	14.36
July 15	16.96	Aug. 15	19.30	Nov. 15	15.96	30	15.04
Aug. 15	20.45	Oct. 3	24.93	Dec. 1	14.19	Oct. 15	15.52
30	17.83	15	25.91	15	13.53	30	15.78
Sept. 15	17.52	31	20.24	30	13.64	Nov. 15	12.53
30	18.95	Nov. 15	19.08	Jan. 15, 1962	15.06	Dec. 1	13.92
Oct. 30	13.99						

Hancock County

H 1. Mrs. George C. Orcutt. Formerly George C. Orcutt. Amherst. Lat 44°49'50", long 68°22'06". Dug unused water-table well in glacial drift, diam 18 in, depth 14 ft, cased with field stone to 14. Lsd about 330 ft above msl. MP top of 2- x 4-in timber driven into bottom of well, at lsd. Highest water level 2.10 below lsd, May 29, 1961; lowest dry several times, 1944, 1948, 1949, 1952, 1955, 1957, 1960. Records available: 1943-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1958	4.25	Nov. 2, 1958	5.30	Mar. 28, 1960	6.22	Aug. 12, 1961	10.53
12	4.97	13	5.59	Apr. 14	4.05	30	11.99
19	4.51	29	3.31	29	5.29	Sept. 14	12.70
26	4.96	Dec. 12	5.22	May 18	5.03	30	13.60
Feb. 2	4.79	Jan. 2, 1959	6.73	28	5.96	Oct. 16	12.68
9	5.57	17	6.34	June 13	7.78	30	12.14
16	5.80	29	6.69	28	9.52	Nov. 21	6.80
23	6.36	Feb. 13	(j)	July 12	10.59	29	4.48
Mar. 9	6.41	27	(j)	27	11.66	Dec. 12	4.72
23	5.41	Mar. 15	(j)	Aug. 17	12.39	28	6.10
30	4.25	Apr. 13	5.26	29	13.28	Jan. 14, 1962	7.73
Apr. 6	4.30	16	5.35	Sept. 13	14.20	29	6.04
13	4.52	May 1	5.55	28	(f)	Feb. 14	7.10
20	4.89	13	6.07	Oct. 13	(f)	26	7.19
27	4.42	31	7.31	30	12.89	Mar. 16	8.10
May 4	4.28	June 14	7.69	Nov. 13	6.56	28	5.94
11	4.18	27	5.52	28	6.60	Apr. 15	4.14
18	4.61	July 14	5.50	Dec. 15	6.30	30	4.66
25	5.56	Aug. 15	8.63	28	4.69	May 14	5.30
June 1	4.75	30	9.40	Jan. 13, 1961	6.09	28	6.38
8	6.34	Sept. 13	6.22	31	7.19	June 14	7.62
15	6.87	29	6.70	Feb. 13	8.19	28	9.10
21	7.48	Oct. 13	5.10	26	5.48	July 14	10.50
29	7.77	28	3.49	Mar. 14	6.94	Aug. 13	12.10
July 6	8.38	Nov. 14	4.48	29	5.48	30	12.70
14	8.55	26	2.95	Apr. 13	4.09	Sept. 14	13.30
20	8.57	Dec. 13	2.76	28	4.14	Oct. 1	12.40
27	9.28	27	5.22	May 15	5.14	15	10.10
Aug. 13	7.89	Jan. 12, 1960	5.63	29	2.10	Nov. 14	4.50
28	6.97	30	7.05	June 13	4.99	30	4.66
Sept. 14	7.75	Feb. 13	5.68	30	6.70	Dec. 13	4.10
28	8.40	27	6.09	July 14	7.81	28	5.80
Oct. 13	7.64	Mar. 14	6.92	27	9.30		

f Dry.

j Well frozen over.

Penobscot County

Pe 1. Henry Crosby. Hermon. Lat 44°47'20", long 68°52'30". Drilled unused artesian well in schist or slate, diam 6 in, depth 60 ft, cased with steel to 11. Lsd about 160 ft above msl. MP top of casing, at lsd. Highest water level 4.78 below lsd, Nov. 29, 1959; lowest 21.02 below lsd, Oct. 14, 1960. Records available: 1958-60. No measurement made in 1961 or 1962.

Mar. 12, 1958	9.04	Nov. 15, 1958	7.64	Aug. 15, 1959	13.61	Apr. 30, 1960	6.89
28	5.98	29	7.97	31	14.94	May 14	6.87
31	5.67	Dec. 14	8.87	Sept. 15	15.72	31	8.14
Apr. 15	5.88	30	11.95	30	15.72	June 14	9.39
29	6.48	Jan. 14, 1959	13.00	Oct. 14	16.41	30	12.79
May 15	6.89	30	11.24	31	9.22	July 14	14.06
31	8.52	Feb. 15	12.33	Nov. 16	7.69	23	14.75
June 15	9.98	28	13.62	29	4.78	Aug. 15	16.88
30	12.89	Mar. 15	11.94	Dec. 15	5.58	31	18.02
July 15	13.42	30	10.61	31	7.63	Sept. 14	19.59
20	13.60	Apr. 15	7.71	Jan. 14, 1960	9.71	28	20.39
Aug. 1	13.15	30	8.61	30	11.77	Oct. 14	21.02
15	13.44	May 14	10.10	Feb. 15	11.29	31	19.62
Sept. 2	12.44	30	12.04	29	12.48	Nov. 14	17.18
15	13.28	June 14	12.17	Mar. 15	13.62	29	16.59
30	13.05	30	9.95	30	12.19	Dec. 14	14.11
Oct. 15	11.23	July 15	10.33	Apr. 14	7.39	30	8.51
31	6.32	30	12.22				

Somerset County

Sm 1. J. Harrison Farrand. Mercer. Lat 44°12'10", long 69°55'12". Dug unused water-table well in sand, diam 5 ft, depth 14 ft, cased with field stone to 14. Lsd about 270 ft above msl. MP top of horizontal 2- x 4-in timber at northeast corner of well cover, 0.40 ft above lsd (since May 26, 1958). Highest water level 3.75 below lsd, Apr. 13, 1962; lowest dry several times, 1952-53. Records available: 1942-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	5.15	Dec. 14, 1958	5.22	Apr. 13, 1960	3.75	Aug. 28, 1961	8.62
12	5.35	29	5.70	28	3.95	Sept. 13	9.47
19	5.04	Jan. 14, 1959	5.88	May 12	4.62	27	9.42
26	5.00	28	5.30	28	4.91	Oct. 15	9.70
Feb. 1	4.95	Feb. 14	5.45	June 12	5.73	29	9.72
11	5.42	28	6.20	26	5.95	Nov. 13	8.82
17	5.50	Mar. 15	6.40	July 15	6.35	Dec. 2	5.22
23	5.72	26	4.75	29	7.19	17	5.30
Mar. 2	5.72	Apr. 12	4.15	Aug. 14	7.60	30	5.30
9	5.58	27	5.05	28	8.24	Jan. 14, 1962	5.67
19	5.06	May 5	5.21	Sept. 13	8.47	28	5.72
23	5.00	15	5.72	25	8.98	Feb. 13	5.82
30	4.64	27	6.05	Oct. 15	9.60	25	5.90
Apr. 8	4.55	June 13	6.33	29	9.07	Mar. 14	6.45
13	4.55	26	5.50	Nov. 15	7.63	Apr. 1	3.85
27	5.02	July 12	6.10	23	6.85	15	4.35
May 4	5.01	27	6.23	Dec. 14	5.96	29	4.60
9	4.68	Aug. 13	6.23	26	5.68	May 13	4.98
11	5.00	29	6.55	Jan. 14, 1961	5.97	27	5.19
26	5.30	Sept. 13	5.68	28	6.29	June 14	6.05
June 7	5.57	27	6.35	Feb. 13	6.68	29	6.94
16	6.09	Oct. 15	5.60	27	6.17	July 14	7.62
28	6.43	28	4.48	Mar. 15	5.55	29	8.09
July 14	6.90	Nov. 14	4.82	29	4.98	Aug. 12	8.43
27	6.95	25	4.08	Apr. 15	4.80	Sept. 5	8.97
Aug. 15	7.12	Dec. 13	4.25	29	4.40	30	9.54
27	7.57	28	4.40	May 19	5.29	Oct. 14	5.09
Sept. 14	8.33	Jan. 14, 1960	5.43	June 3	4.85	28	5.39
28	8.64	28	5.80	14	5.64	Nov. 13	4.50
Oct. 15	8.65	Feb. 13	4.93	28	6.03	30	5.15
Nov. 2	4.93	27	5.37	July 15	6.76	Dec. 14	4.93
15	4.85	Mar. 12	5.45	29	7.08	30	5.90
27	5.17	28	5.63	Aug. 15	7.98		

Washington County

W.1. Washington County. Machias. Lat 44°42'40", long 67°28'35". Drilled stock artesian well in bedrock, diam 6 in, depth 54 ft, cased with steel. Lsd about 140 ft above msl. MP top of steel casing, at lsd. Highest water level 5.29 below lsd, Apr. 16, 1961; lowest 13.95 below lsd, Feb. 2, 1959. Records available: 1958-62.

July 9, 1958	11.11	Sept. 30, 1959	10.91	Oct. 30, 1960	12.68	Dec. 15, 1961	9.96
15	10.90	Oct. 29	9.53	Nov. 15	9.85	Jan. 1, 1962	11.39
30	10.43	Nov. 16	10.44	30	10.12	15	11.54
Aug. 31	10.50	30	7.24	Dec. 15	10.67	29	10.39
Sept. 15	11.11	Dec. 15	7.02	29	10.00	Feb. 15	11.43
30	10.87	30	10.77	Jan. 15, 1961	10.53	27	12.04
Oct. 15	11.50	Jan. 15, 1960	11.07	29	12.41	Mar. 15	12.03
29	10.35	31	11.75	Feb. 16	12.41	29	11.11
Nov. 30	8.12	Feb. 15	9.87	27	11.72	Apr. 30	9.06
Dec. 15	10.74	29	9.09	Mar. 15	11.12	May 15	12.74
29	11.53	Mar. 15	10.89	29	12.51	16	12.50
Jan. 15, 1959	12.07	30	9.33	Apr. 16	5.29	29	10.58
Feb. 2	13.95	Apr. 15	6.50	29	8.14	June 15	10.25
16	12.00	May 2	10.14	May 15	10.46	30	10.95
Mar. 1	12.10	16	7.25	30	7.04	July 15	11.04
17	11.37	30	10.33	June 15	8.90	30	9.50
31	11.20	June 15	11.21	30	10.19	Aug. 17	10.92
Apr. 15	10.07	30	11.17	July 15	10.34	28	11.19
29	10.55	July 15	11.64	29	10.72	Sept. 17	11.22
May 15	10.87	30	11.82	Aug. 31	11.89	Oct. 1	9.48
June 15	8.84	Aug. 15	12.70	Sept. 16	11.91	16	9.93
30	9.06	30	12.27	Oct. 16	10.31	29	10.42
July 14	8.90	Sept. 15	12.41	30	10.22	Nov. 29	8.68
Sept. 1	10.07	28	11.63	Nov. 15	11.33	Dec. 16	9.38
15	10.97	Oct. 14	11.76	29	10.75	29	10.54

b Well pumped recently.

W 2. Lubec Water District. Lubec. Lat 44°49'55", long 67°00'05". Driven unused water-table well in glacial sand and gravel, diam 2½ in, depth 52 ft, cased with iron pipe 0-42, screened 42-52. Lsd about 50 ft above msl. MP top of pipe, at lsd. Highest water level 9.31 below lsd, June 14, 1960; lowest 17.70 below lsd, Mar. 29, 1961. Records available: 1958-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 9, 1958	11.12	Sept. 15, 1959	16.30	Oct. 28, 1960	16.80	Nov. 28, 19 ⁶¹	15.16
30	11.70	28	16.45	Nov. 14	16.70	Dec. 12	14.70
Aug. 12	12.70	Oct. 11	15.70	28	16.60	28	14.42
27	13.90	29	15.72	Dec. 13	16.40	Jan. 12, 19 ⁶²	13.55
Sept. 12	13.81	Nov. 13	15.51	28	15.87	29	12.71
27	14.30	27	15.20	Jan. 12, 1961	15.31	Feb. 14	12.36
Oct. 13	15.45	Dec. 14	13.00	28	15.82	26	12.87
29	15.00	28	10.70	Feb. 13	16.55	Mar. 14	12.92
Nov. 13	14.50	Jan. 12, 1960	9.80	25	16.64	28	12.59
28	15.20	27	10.00	Mar. 13	17.30	Apr. 13	12.52
Dec. 13	13.70	Feb. 13	9.70	29	17.70	28	11.56
30	13.90	26	9.60	Apr. 12	17.15	May 16	11.74
Jan. 14, 1959	14.10	Mar. 14	10.55	30	16.48	28	12.05
27	12.70	28	11.01	May 13	15.85	June 12	12.29
Feb. 12	12.40	Apr. 12	9.95	29	14.91	27	12.49
27	12.75	26	10.40	June 6	15.09	July 14	12.86
Mar. 12	12.88	May 12	10.85	13	13.65	29	13.09
26	12.91	27	9.71	27	13.14	Aug. 14	13.59
Apr. 13	13.50	June 14	9.31	July 13	13.16	29	14.70
28	13.50	27	10.84	29	13.58	Sept. 12	14.74
May 13	13.40	July 13	11.88	Aug. 14	14.45	29	15.65
29	14.30	27	12.60	28	14.99	Oct. 12	16.05
June 15	14.95	Aug. 12	13.45	Sept. 12	15.41	28	16.58
27	15.10	Sept. 1	14.70	28	15.78	Nov. 12	16.53
July 13	15.40	13	15.40	Oct. 13	15.94	28	15.42
27	15.80	29	15.95	31	15.75	Dec. 12	14.81
Aug. 13	16.70	Oct. 14	16.42	Nov. 13	15.53	29	14.14
27	16.86						

York County

Y 1. J. P. Small. Cornish. Lat 43°48'22", long 70°48'25". Dug unused water-table well in sandy glacial drift, diam 36 in, depth 24 ft, curbed with brick to 24. Lsd about 370 ft above msl. MP mark chiseled on top of concrete well curb, at lsd. Highest water level 7.90 below lsd, Apr. 6, 1952; lowest 18.40 below lsd, Nov. 14, 1948. Records available: 1943-62.

Jan. 5, 1958	9.10	Aug. 3, 1958	13.10	Apr. 19, 1959	9.9	Nov. 22, 1959	10.4
12	9.70	10	13.10	26	10.3	29	8.9
19	10.70	17	13.60	May 4	11.1	Dec. 7	10.2
26	9.40	24	14.10	10	11.5	12	9.3
Feb. 1	9.10	31	14.60	17	12.1	21	9.4
9	9.70	Sept. 7	15.10	25	12.4	28	10.2
16	10.80	14	15.10	31	12.9	Jan. 3, 1960	10.2
23	11.40	21	15.20	June 8	13.2	7	9.7
Mar. 1	11.80	28	15.40	14	13.6	24	11.6
9	11.90	Oct. 5	15.30	22	11.2	31	11.7
15	9.20	12	15.20	29	11.8	Feb. 6	11.7
23	9.30	19	15.50	July 6	12.2	15	9.9
30	9.10	26	16.10	13	12.7	21	10.4
Apr. 6	8.60	Nov. 3	15.20	20	13.2	Mar. 6	11.5
13	8.60	9	14.30	27	13.9	14	12.1
17	8.32	16	13.30	Aug. 3	14.4	22	12.3
20	8.60	23	12.90	9	14.9	Apr. 4	8.1
27	9.10	30	12.70	17	15.3	13	8.2
May 3	8.80	Dec. 7	11.10	23	15.4	19	8.4
10	9.30	14	10.90	31	15.7	24	8.8
18	9.80	21	10.60	Sept. 9	14.7	May 1	9.2
25	10.25	28	12.60	14	14.2	8	9.8
31	10.90	Jan. 4, 1959	13.10	21	13.9	15	10.7
June 8	11.10	11	13.80	27	14.3	22	9.1
15	11.40	25	14.3	Oct. 5	14.9	29	9.1
22	12.01	Feb. 10	14.4	12	14.6	June 4	9.7
29	12.70	Mar. 1	15.4	18	14.2	12	10.4
July 6	13.20	16	15.6	26	10.4	19	9.9
13	13.50	27	13.8	Nov. 2	10.2	27	10.6
20	12.60	Apr. 5	8.5	8	11.2	July 4	10.8
27	13.10	12	8.7	15	10.8	11	11.6

Y 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 17, 1960	12.1	Nov. 30, 1960	11.85	Aug. 15, 1961	12.46	Apr. 29, 1962	9.88
24	12.6	Dec. 15	11.56	28	13.68	May 15	10.11
Aug. 1	13.2	29	12.18	Sept. 15	14.10	29	10.49
7	12.9	Jan. 15, 1961	13.42	29	14.24	June 15	11.88
15	13.6	27	14.64	Oct. 21	13.88	28	12.78
21	14.1	Feb. 15	16.01	29	14.39	July 15	14.01
29	14.1	27	14.76	Nov. 16	14.48	29	13.67
Sept. 5	15.1	Mar. 15	10.42	27	10.68	Aug. 15	11.15
11	15.6	29	9.66	Dec. 15	11.30	30	12.58
19	11.6	Apr. 15	8.24	28	11.82	Sept. 15	14.30
25	11.7	28	8.96	Jan. 15, 1962	12.88	28	15.28
Oct. 2	12.2	May 15	10.44	29	13.38	Oct. 15	9.28
9	12.5	28	11.79	Feb. 15	15.18	29	11.25
17	13.4	June 15	11.96	27	15.40	Nov. 16	9.10
25	11.3	28	12.22	Mar. 15	16.80	28	11.09
31	9.8	July 15	13.28	29	12.02	Dec. 15	9.81
Nov. 15	10.79	28	11.08	Apr. 15	8.68	30	11.71

Reference

Prescott, G. C., Jr., and Drake, J. A., 1962, Records of selected wells, test holes, and springs in southwestern Maine: Maine basic-data report no. 1, ground-water series: U.S. Geol. Survey open-file rept.

MASSACHUSETTS

By Anthony Maevsky

The observation-well program in Massachusetts was continued during 1958 through 1962 in cooperation with the Massachusetts Department of Public Works. Figure 6 shows the location of observation wells included in this report.

Well-Numbering System

Wells are designated by town or city names and serial numbers assigned within each town or city.

Well Descriptions and Water-Level Measurements

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

Barnstable County

Brewster 21. U. S. Geol. Survey. Nook Rd. in Nickerson State Park. Lat 41°45'16", long 70°01'47". Augured observation water-table well in sand and gravel, diam 2½ in, depth 25 ft, well point 22-25. Lsd about 50 ft above msl. MP top of casing, 2.40 ft above lsd. Highest water level 8.05 below lsd, July 25, 1959; lowest 11.2 below lsd, Dec. 29, 1957. Records available: 1957-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 26, 1957	10.87	Nov. 14, 1958	9.37	Nov. 1, 1959	8.80	May 27, 1961	9.78
Dec. 13	10.8	Dec. 3	9.40	15	8.94	June 28	9.10
29	11.2	17	9.42	Dec. 6	8.99	July 28	9.70
Jan. 15, 1958	11.13	30	9.45	Jan. 1, 1960	9.00	Aug. 24	9.92
28	11.12	Jan. 15, 1959	9.52	Feb. 15	8.87	Nov. 1	9.72
Feb. 24	11.10	Feb. 1	9.53	28	8.76	28	9.77
Mar. 17	10.94	16	9.30	Mar. 24	8.67	Dec. 28	9.80
Apr. 3	10.70	Mar. 3	9.15	Apr. 24	8.38	Jan. 27, 1962	9.32
15	10.38	23	8.90	May 10	8.38	Feb. 27	8.98
May 5	10.05	Apr. 1	8.84	June 3	8.37	Mar. 30	8.90
28	9.73	22	8.82	15	8.36	Apr. 26	8.66
June 15	9.45	June 1	8.27	July 1	8.50	May 26	8.81
July 5	9.37	15	8.26	Aug. 31	9.10	June 25	8.78
16	9.36	July 2	8.18	Oct. 2	9.50	July 27	9.08
31	9.36	25	8.05	31	9.84	Aug. 25	9.39
Aug. 27	9.33	Aug. 14	8.13	Nov. 14	9.93	Oct. 30	9.62
Sept. 22	9.32	Sept. 4	8.27	29	10.07	Nov. 29	9.35
Oct. 2	9.13	Oct. 3	8.10	Jan. 2, 1961	10.08	Dec. 2	9.32
Nov. 3	9.30	14	8.67	16	10.12	28	9.38

Falmouth 5. Town of Falmouth. Lat 41°34'49", long 70°32'24". Driven unused water-table well in glacial drift, diam 2½ in, depth 50 ft. Lsd about 8 ft above msl. MP top of casing, at lsd. Highest water level 2.55 below lsd, May 1, 1958; lowest 5.46 below lsd, Sept. 2, 1950. Records available: 1950-62. Water levels affected by pumping.

Jan. 3, 1958	4.98	Aug. 11, 1958	4.19	Apr. 1, 1959	3.47	Jan. 26, 1960	4.43
Feb. 7	3.59	25	4.40	May 1	3.47	Mar. 30	3.58
Mar. 1	3.37	Sept. 2	4.03	June 1	3.98	Apr. 26	3.02
Apr. 1	3.32	27	4.37	8	4.04	May 26	3.55
May 1	2.55	Nov. 1	4.17	July 10	4.35	June 27	4.11
June 2	2.71	Dec. 1	4.42	Aug. 1	3.87	Aug. 29	4.91
July 7	3.51	Jan. 3, 1959	4.47	24	4.25	Dec. 27	4.71
21	3.94	31	4.55	Nov. 2	4.76	Jan. 30, 1961	4.47
28	3.92	Mar. 2	3.94	Dec. 28	4.92	Feb. 27	4.03

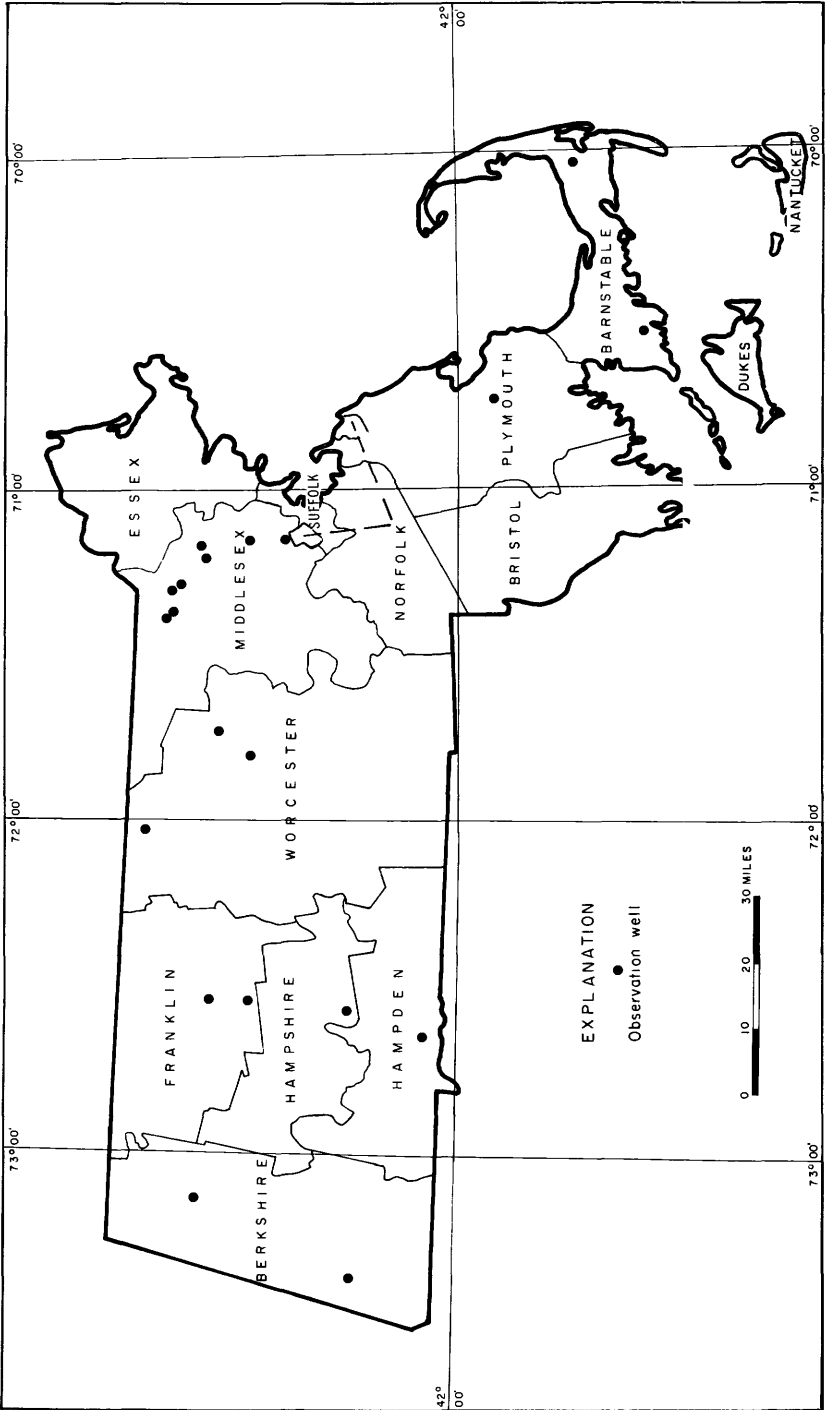


Figure 6. -- Location of observation wells in Massachusetts, 1958-62.

Falmouth 5--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 30, 1961	3.72	Sept. 30, 1961	4.67	Mar. 30, 1962	3.62	Aug. 28, 1962	4.97
Apr. 28	3.62	Oct. 31	3.83	Apr. 27	3.66	Sept. 28	4.93
May 31	3.54	Nov. 30	3.92	May 28	3.94	Oct. 30	4.82
June 30	3.97	Dec. 29	3.99	June 28	4.17	Nov. 28	4.34
July 31	4.17	Jan. 30, 1962	3.28	July 27	4.59	Dec. 28	4.27
Aug. 30	4.61	Feb. 28	3.09				

Truro 1. Town of Provincetown. Lat 42°02'39", long 70°06'20". Driven unused water-table well in glacial drift, diam 1½ in, depth 68 ft. Lsd 16 ft above msl. MP top of casing, 3.50 ft above lsd. Highest water level 10.0 below lsd, Jan. 1, 8, 22, Oct. 8, 1955 Aug. 18, 1956, Apr. 26, 1958; lowest 12.1 below lsd, Sept. 11, 1954. Records available: 1950-62. Water levels affected by pumping.

Jan. 25, 1958	10.5	Apr. 25, 1959	10.5	July 29, 1960	11.0	Oct. 1, 1961	11.1
Feb. 22	10.4	May 30	11.2	Aug. 29	11.1	Nov. 1	11.0
Mar. 29	10.3	June 27	11.0	Sept. 26	10.9	Dec. 1	10.7
Apr. 26	10.0	July 25	11.3	Oct. 31	10.7	Jan. 1, 1962	10.8
May 31	10.2	Aug. 29	11.4	Nov. 28	10.9	Feb. 2	10.6
June 28	10.6	Sept. 26	11.3	Jan. 9, 1961	10.7	26	10.5
July 26	11.4	Oct. 31	11.1	30	11.2	Mar. 30	10.5
Aug. 30	11.0	Nov. 28	11.1	Feb. 27	11.4	Apr. 25	10.9
Sept. 27	10.7	Dec. 31	10.5	Mar. 27	10.5	May 26	11.3
Oct. 25	10.6	Jan. 30, 1960	10.4	May 1	10.5	June 28	10.9
Nov. 29	10.6	Feb. 27	10.4	June 2	10.4	Sept. 26	11.0
Dec. 31	10.6	Mar. 26	10.1	26	10.7	Oct. 30	10.9
Jan. 31, 1959	10.7	Apr. 30	10.3	July 31	11.1	Nov. 29	10.7
Feb. 28	10.7	May 30	10.6	Sept. 1	11.1	Dec. 28	10.8
Mar. 28	10.5	June 27	10.9				

Berkshire County

Cheshire 2. John Jayko. Wells and Jenks Rds. Lat 42°35'03", long 73°07'54". Dug unused water-table well in glacial drift, diam 30 in, depth 22 ft, curbed with stone. Lsd about 1,210 ft above msl. MP inside rim of west side of concrete well top, 1.00 ft above lsd. Highest water level 0.09 below lsd, Jan. 19, 1952; lowest 13.46 below lsd, Oct. 26, 1953. Records available: 1951-62.

Jan. 6, 1958	3.51	Sept. 15, 1958	8.79	Apr. 27, 1959	2.31	Dec. 7, 1959	0.57
20	6.06	22	8.42	May 4	2.21	15	1.13
27	3.02	29	7.64	11	3.88	21	2.32
Feb. 3	3.42	Oct. 6	6.67	18	3.98	28	3.51
10	5.08	13	7.19	25	4.99	Jan. 4, 1960	2.91
24	6.32	20	7.76	June 1	5.24	11	4.58
Mar. 3	4.94	27	7.33	9	5.19	18	5.33
10	3.58	Nov. 3	5.51	15	5.92	25	6.02
17	2.52	10	4.42	22	5.84	Feb. 1	6.35
24	1.51	17	4.32	29	5.24	8	6.31
31	.69	24	4.31	July 6	5.59	15	5.51
Apr. 7	.44	Dec. 2	3.02	13	6.43	22	5.47
14	.86	8	3.69	20	7.09	Mar. 1	5.84
21	1.39	15	4.62	27	7.46	14	6.65
28	.89	22	5.38	Aug. 3	8.15	21	6.36
May 5	.91	29	6.16	10	8.44	28	5.79
12	1.24	Jan. 5, 1959	6.68	17	8.55	Apr. 4	.61
19	1.54	12	7.34	24	8.61	11	.73
26	2.46	19	7.75	31	9.02	18	.86
June 2	3.25	26	6.91	Sept. 7	9.19	25	1.13
9	3.96	Feb. 2	7.33	15	9.37	May 2	1.54
16	4.39	9	7.72	21	9.79	16	4.12
23	5.65	16	8.09	28	10.17	23	4.12
30	6.57	23	8.44	Oct. 5	10.51	30	5.11
July 7	7.32	Mar. 3	8.87	12	9.48	June 6	5.57
14	7.57	9	8.59	19	8.81	13	6.49
28	7.16	16	8.32	26	7.24	20	6.39
Aug. 14	7.57	23	8.21	Nov. 2	5.48	27	6.32
18	7.79	30	7.63	9	2.47	July 4	6.21
25	7.91	Apr. 6	5.59	16	1.64	11	6.38
Sept. 2	8.32	13	3.44	23	2.45	18	7.85
8	8.74	20	2.32	30	.89	25	7.16

Cheshire 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 1, 1960	6.91	Dec. 5, 1960	4.72	July 15, 1961	6.94	Apr. 27, 1962	2.22
8	7.12	19	6.19	Aug. 1	5.81	May 15	3.19
15	6.79	26	6.71	15	6.88	28	4.56
22	6.84	Jan. 2, 1961	7.13	Sept. 2	8.66	June 15	5.16
29	6.03	9	7.53	15	8.89	28	6.46
Sept. 5	6.63	16	7.02	Oct. 2	9.37	July 15	8.19
12	3.98	23	8.05	15	10.07	28	9.18
19	2.61	Feb. 20	8.41	Nov. 1	10.66	Aug. 15	9.32
26	2.58	27	4.22	15	9.77	28	9.23
Oct. 3	2.92	Mar. 6	1.73	Dec. 1	8.07	Sept. 15	9.07
10	3.96	15	1.75	15	7.88	28	10.48
17	5.12	30	1.16	Jan. 2, 1962	8.02	Oct. 15	8.49
24	3.37	Apr. 15	.98	15	6.66	27	8.68
31	3.96	May 1	.89	Feb. 1	6.63	Nov. 15	7.15
Nov. 7	4.31	15	1.02	15	8.31	30	6.56
14	3.89	31	3.97	Mar. 1	7.76	Dec. 15	6.24
21	4.51	June 15	4.26	15	7.64	28	6.13
28	5.21	30	5.47	Apr. 2	6.39		

Great Barrington 1. Mrs. Dora A. Campbell. North Plains Rd. and Division St. Lat 42°13'38", long 73°21'52". Dug unused water-table well in glacial drift, diam 34 in, depth 24 ft, curbed with stone. Lsd 732.11 ft above msl. MP top of concrete masonry wrk, at lsd. Highest water level 15.51 below lsd, Aug. 1, 1945; lowest 24 below lsd, Sept. 26, Oct. 31, Nov. 28, 1957. Records available: 1936-62.

Jan. 30, 1958	22.53	Apr. 30, 1959	20.89	July 28, 1960	21.18	Oct. 30, 1961	22.26
Feb. 27	22.32	May 28	21.27	Aug. 25	22.45	Nov. 29	20.76
Mar. 27	21.57	June 25	21.79	Sept. 29	21.72	Dec. 27	21.64
Apr. 24	20.46	July 30	21.77	Oct. 27	21.97	Jan. 28, 1962	20.88
May 29	20.52	Aug. 27	22.42	Nov. 24	21.98	Feb. 26	20.82
June 26	21.52	Sept. 24	23.11	Dec. 29	21.96	Mar. 26	21.91
July 31	21.73	Oct. 29	22.83	Jan. 26, 1961	22.35	Apr. 25	20.54
Aug. 28	22.35	Nov. 24	21.26	Feb. 23	21.76	May 24	20.68
Sept. 25	22.43	Dec. 31	20.57	Mar. 30	20.42	June 24	21.08
Oct. 30	22.71	Jan. 28, 1960	20.94	Apr. 27	20.22	July 25	21.26
Nov. 27	21.88	Feb. 25	20.33	May 29	20.62	Aug. 24	23.82
Dec. 25	20.88	Mar. 31	20.38	June 29	20.28	Sept. 26	23.50
Jan. 29, 1959	20.88	Apr. 28	19.28	July 30	20.83	Oct. 25	23.08
Feb. 26	21.47	May 26	20.18	Aug. 30	21.72	Nov. 27	23.35
Mar. 26	21.24	June 30	21.08	Sept. 29	21.97	Dec. 26	23.12

Franklin County

Montague 5. C. A. Kurtyka. Lat 42°33'05", long 72°32'03". Dug unused water-table well in glacial drift, diam 38 in, depth 9 ft, cased with stone. Lsd about 240 ft above msl. MP center of chiseled cross in stone of rock lining, 1.30 ft below lsd. Highest water level 0.78 below lsd, Apr. 27, 1944; lowest 6.40 below lsd, Sept. 15, 1962. Records available: 1936-62.

Jan. 6, 1958	3.05	June 9, 1958	2.55	Nov. 10, 1958	3.50	Apr. 13, 1959	1.90
13	3.21	16	3.38	17	3.64	20	2.14
21	3.44	23	3.74	24	4.13	27	1.89
27	2.35	30	4.24	Dec. 1	3.45	May 4	2.64
Feb. 4	2.73	July 7	4.18	8	3.62	10	2.87
10	3.08	14	3.83	15	4.10	18	3.25
18	3.38	21	3.40	22	4.26	25	3.66
25	3.36	28	3.58	29	4.45	June 1	4.02
Mar. 3	2.42	Aug. 5	4.40	Jan. 5, 1959	4.55	9	3.89
10	1.81	13	3.72	12	4.75	15	3.50
17	1.68	18	4.40	19	4.78	22	3.95
24	1.62	25	3.55	26	4.20	29	4.40
31	1.68	Sept. 1	4.64	Feb. 2	4.38	July 6	4.68
Apr. 7	1.70	8	4.79	9	3.92	13	4.60
14	1.75	15	4.88	16	3.55	20	2.90
21	1.65	22	3.85	23	4.65	27	3.94
28	1.68	29	3.85	Mar. 2	4.68	Aug. 5	4.35
May 5	1.70	Oct. 6	4.08	9	3.80	11	3.98
12	1.80	13	4.48	16	2.98	17	4.72
19	1.90	20	4.74	23	1.65	24	4.82
27	2.45	27	3.55	30	2.25	31	3.35
June 2	2.39	Nov. 3	3.17	Apr. 6	1.75	Sept. 7	4.38

Montague 5--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 14, 1959	4.45	Apr. 18, 1960	1.65	Nov. 16, 1960	2.93	Oct. 3, 1961	4.65
21	5.10	26	1.60	21	3.18	15	4.15
29	5.45	May 2	2.05	29	3.05	Nov. 1	4.76
Oct. 5	5.15	9	1.80	Dec. 5	3.30	15	4.15
12	4.08	16	1.85	12	3.74	Dec. 1	4.16
19	4.56	24	1.88	17	4.00	15	4.30
26	3.00	31	2.18	26	3.66	31	4.54
Nov. 3	3.42	June 6	2.60	Jan. 3, 1961	3.79	Jan. 15, 1962	2.72
10	3.20	13	2.65	10	3.93	Feb. 1	4.18
16	3.13	20	3.34	16	3.92	28	4.42
23	3.38	27	3.94	23	4.04	Mar. 15	2.15
30	2.45	July 4	3.66	30	4.25	31	2.08
Dec. 7	2.25	12	3.96	Feb. 6	4.06	Apr. 15	2.23
14	2.27	18	3.72	13	3.73	28	2.97
21	2.78	25	4.16	20	3.00	May 15	3.00
28	2.40	Aug. 2	3.85	27	2.08	28	4.10
Jan. 4, 1960	2.75	8	4.04	Mar. 6	1.90	June 15	4.32
11	3.08	16	3.13	15	2.02	28	4.93
18	3.03	22	3.62	31	1.85	July 15	5.32
25	3.28	29	4.26	Apr. 15	2.08	30	5.16
Feb. 1	3.36	Sept. 5	4.38	May 1	1.56	Aug. 15	5.47
8	2.78	12	2.45	15	2.25	29	5.60
15	2.30	19	2.36	31	2.72	Sept. 15	6.40
22	1.95	26	3.20	June 15	3.34	28	5.20
Mar. 1	2.14	Oct. 3	3.13	July 1	3.90	Oct. 15	4.11
7	2.58	10	3.60	15	3.28	28	4.93
14	2.78	17	3.83	Aug. 2	3.90	Nov. 15	4.10
21	2.25	24	2.39	15	4.38	28	4.50
28	1.68	Nov. 1	2.18	Sept. 2	4.76	Dec. 15	4.70
Apr. 4	1.3	7	2.90	15	4.84	28	5.08
11	1.33						

Sunderland 7. Town of Sunderland. Rt. 116 at Russellville Brook. Lat 42°26'07", long 72°32'44". Driven unused water-table well in glacial outwash, diam 2½ in, depth 54 ft. Lsd about 210 ft above msl. MP top of casing, at lsd. Highest water level 7.16 below lsd, Apr. 15, 1960; lowest 18.89 below lsd, Dec. 28, 1962. Records available: 1957-62.

Aug. 5, 1957	9.19	Nov. 7, 1958	15.40	Dec. 15, 1959	9.97	Jan. 15, 1961	13.04
Oct. 16	16.18	Dec. 1	15.99	Jan. 1, 1960	10.24	Feb. 2	13.56
Nov. 7	16.18	16	16.55	15	10.28	15	14.00
15	16.57	Jan. 2, 1959	16.91	Feb. 2	10.12	Mar. 1	11.00
Dec. 4	17.04	15	17.14	16	9.62	31	9.40
16	17.05	Feb. 2	16.00	Mar. 1	10.01	May 1	9.25
Jan. 3, 1958	13.16	16	16.15	15	10.13	31	9.04
15	14.56	Mar. 2	16.28	Apr. 1	9.63	July 1	9.60
31	11.70	19	14.34	15	7.16	31	11.23
Feb. 14	12.10	Apr. 2	10.95	May 1	8.13	Aug. 31	12.58
Mar. 1	12.82	15	9.82	15	8.61	Oct. 1	13.98
15	8.58	May 1	9.97	June 2	9.00	31	15.03
Apr. 2	7.86	15	10.03	15	9.36	Dec. 31	16.13
14	7.57	June 1	11.10	July 3	10.25	Jan. 1, 1962	17.07
May 1	7.48	17	11.80	17	10.98	31	17.69
15	7.27	July 1	12.27	Aug. 1	11.70	Feb. 28	18.59
June 1	7.85	16	12.85	15	12.12	Mar. 31	9.94
16	8.49	Aug. 1	13.30	31	12.96	Apr. 28	12.35
July 1	9.08	15	13.83	Sept. 15	11.48	May 28	14.10
15	9.65	Sept. 1	14.24	Oct. 2	12.42	July 1	14.45
Aug. 1	10.42	15	14.77	15	13.02	30	14.98
15	11.06	Oct. 1	15.30	Nov. 2	13.32	Aug. 29	15.79
Sept. 1	12.06	15	15.70	15	9.65	Sept. 28	16.32
15	12.81	Nov. 1	14.50	Dec. 1	10.24	Oct. 28	17.25
Oct. 1	13.54	15	14.40	15	11.64	Nov. 30	18.24
15	14.17	Dec. 1	10.17	Jan. 3, 1961	12.40	Dec. 28	18.89
Nov. 1	14.85						

Hampden County

Westfield 62. Westfield Sanatorium. East Mountain Rd. near Rt. 20. Lat 42°06'46", long 72°42'01". Driven unused water-table well in glacial outwash, diam 2½ in, depth 25 ft. Lsd about 210 ft above msl. MP top of casing, 3.50 ft above lsd. Highest water level 4.09 below lsd, Apr. 30, 1958; lowest 11.18 below lsd, Sept. 5, 1957. Records available: 1957-62. Water levels affected by pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 9, 1957	9.81	Nov. 14, 1958	6.34	Dec. 15, 1959	5.65	Jan. 13, 1961	7.45
Sept. 5	11.18	28	6.47	31	5.80	31	7.62
Nov. 14	8.54	Dec. 15	6.04	Jan. 15, 1960	5.78	Feb. 15	7.84
29	7.86	30	6.46	29	6.30	28	5.56
Dec. 13	7.05	Jan. 15, 1959	6.89	Feb. 15	5.65	Mar. 30	4.80
30	5.64	30	6.72	29	5.43	May 1	4.90
Jan. 15, 1958	5.83	Feb. 13	7.47	Mar. 15	6.03	31	5.62
31	5.00	27	7.85	31	5.73	June 30	6.65
Feb. 14	5.55	Mar. 13	7.53	Apr. 15	4.85	Julv 31	7.18
28	5.22	30	7.32	29	5.26	Aug. 31	7.94
Mar. 13	4.94	Apr. 15	6.26	May 13	5.79	Sept. 29	8.45
28	4.58	30	6.24	31	6.26	Oct. 31	8.29
Apr. 16	4.21	May 15	6.57	June 15	6.86	Dec. 1	8.14
30	4.09	28	6.87	30	7.22	29	8.45
May 15	4.51	June 15	7.21	July 15	7.00	Jan. 31, 1962	7.46
29	4.93	30	7.46	29	7.34	Feb. 28	8.21
June 16	5.83	July 15	8.07	Aug. 15	6.63	Mzr. 30	6.83
30	6.88	31	8.17	31	6.88	Apr. 27	6.46
July 15	6.72	Aug. 14	8.27	Sept. 15	7.28	May 28	7.04
30	6.97	31	8.44	30	6.12	June 28	7.76
Aug. 15	7.29	Sept. 15	8.74	Oct. 17	6.61	July 30	8.44
29	7.12	30	8.85	31	6.83	Aug. 28	8.93
Sept. 15	7.24	Oct. 15	8.42	Nov. 15	6.74	Sept. 27	9.32
30	6.87	31	6.85	30	6.96	Oct. 27	8.83
Oct. 15	6.59	Nov. 13	6.65	Dec. 15	7.16	Nov. 29	8.10
30	6.27	30	6.99	30	7.25	Dec. 28	8.04

Hampshire County

Granby 68. Holyoke Water Power Co. Morgan St. Lat 42°13'56", long 72°32'21". Driven unused water-table well in glacial sand, diam 1½ in, depth 18 ft, well point 16-18. Lsd about 240 ft above msl. MP top of casing, at lsd. Highest water level 4.99 below lsd, Aug. 22, Nov. 15, 1955; lowest 10.97 below lsd, Oct. 29, 1957. Records available: 1954-62. Records from April 1954 to January 1960 are from files of Holyoke Water Power Co., Holyoke.

Apr. 15, 1954	7.33	Sept. 1, 1954	9.47	May 13, 1955	6.29	Dec. 27, 1955	6.80
17	7.08	15	9.07	23	6.78	Jan. 10, 1956	7.13
18	6.52	24	8.73	June 3	7.25	16	7.15
20	6.17	Oct. 1	8.71	10	7.50	23	7.27
21	6.12	8	8.82	20	7.85	31	7.42
23	6.15	22	9.07	28	8.12	Feb. 8	7.63
25	6.20	29	9.19	July 12	8.44	20	7.25
30	6.41	Nov. 8	8.91	20	8.68	29	6.99
May 5	6.33	15	8.88	Aug. 3	9.18	Mar. 8	6.66
7	6.40	22	8.71	10	9.42	16	6.74
12	6.15	29	8.32	15	9.26	22	6.95
18	6.30	Dec. 8	8.07	22	4.99	30	6.98
23	6.34	15	8.11	29	5.23	Apr. 9	5.66
24	6.35	20	7.92	Sept. 5	5.82	20	5.41
28	6.38	29	7.74	13	6.27	27	5.57
June 2	6.59	Jan. 11, 1955	7.55	21	6.63	May 1	5.49
7	6.82	19	7.71	29	6.77	15	5.89
9	7.08	28	8.01	Oct. 5	6.94	25	6.54
15	7.30	Feb. 7	8.13	11	6.31	June 4	6.48
18	7.15	16	7.88	17	5.87	13	6.78
30	7.82	23	7.68	25	5.71	July 8	7.56
July 11	8.38	Mar. 10	7.56	31	5.63	17	8.01
21	8.62	15	7.31	Nov. 7	5.03	25	8.07
26	8.72	23	7.03	15	4.99	Aug. 7	8.44
30	8.72	29	6.64	22	5.24	15	8.70
Aug. 3	8.88	Apr. 7	6.41	29	5.61	22	9.11
6	9.04	18	6.61	Dec. 7	5.88	29	9.27
13	9.20	27	6.23	13	6.13	Sept. 10	9.09
19	9.31	May 6	5.93	20	6.64	Oct. 24	8.98

Granby 68--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 12, 1956	8.63	Mar. 19, 1958	6.28	Feb. 2, 1959	7.72	Dec. 18, 1959	6.58
Jan. 21, 1957	8.11	26	6.06	9	7.68	24	6.74
Feb. 5	7.85	Apr. 2	6.15	16	7.92	31	6.93
26	7.88	9	5.92	24	7.99	Jan. 8, 1960	6.53
Mar. 11	7.68	16	5.90	Mar. 2	8.24	30	7.12
29	7.43	25	6.35	9	7.69	Feb. 8	7.16
Apr. 8	7.13	30	6.07	23	7.13	29	6.24
15	6.73	May 9	5.78	Apr. 11	6.46	Mar. 31	6.60
22	6.79	14	5.96	22	6.55	Apr. 29	6.23
30	7.02	23	6.36	May 4	6.45	May 31	7.27
May 14	7.32	June 10	7.04	15	6.84	June 30	7.53
22	7.56	17	7.31	22	7.09	July 31	7.24
June 12	8.22	24	7.52	June 2	7.42	Aug. 31	8.56
July 17	9.18	July 1	7.78	5	7.53	Sept. 30	7.79
30	9.59	8	8.00	12	7.75	Oct. 31	8.00
Aug. 6	9.69	14	7.95	22	8.00	Nov. 30	7.91
13	9.92	21	8.09	26	8.09	Dec. 30	8.07
28	10.15	28	8.06	July 6	8.42	Jan. 31, 1961	8.38
Sept. 10	10.54	Aug. 4	8.19	13	8.59	Feb. 28	6.66
18	10.61	11	8.39	17	8.68	Mar. 31	5.58
25	10.67	18	8.48	24	8.28	Apr. 28	5.93
Oct. 1	10.73	25	8.56	31	8.45	May 31	6.73
9	10.73	Sept. 2	8.62	Aug. 7	8.77	June 30	7.51
15	10.69	9	8.80	14	8.92	July 31	8.56
22	10.68	15	8.98	21	9.09	Aug. 31	9.34
29	10.97	22	8.54	28	9.27	Sept. 29	9.76
Nov. 5	10.78	29	8.32	31	9.19	Oct. 31	9.99
12	10.69	Oct. 6	8.09	Sept. 4	9.06	Dec. 1	9.50
19	10.58	20	8.36	11	9.19	30	9.29
26	10.30	27	8.15	18	9.24	Jan. 31, 1962	8.28
Dec. 3	10.15	Nov. 3	7.93	25	9.45	Feb. 28	8.72
10	9.98	10	7.90	Oct. 2	9.56	Mar. 30	7.32
17	9.22	17	7.86	9	9.48	Apr. 27	6.99
21	9.04	24	7.94	16	9.29	May 28	7.78
27	8.16	Dec. 1	7.78	23	9.33	June 28	8.61
29	7.87	8	7.62	30	8.13	July 30	9.53
Jan. 6, 1958	7.45	15	7.61	Nov. 6	8.00	Aug. 28	10.11
17	7.62	22	7.63	13	7.81	Sept. 27	10.63
29	6.85	29	7.79	20	7.72	Nov. 1	9.52
Feb. 26	7.38	Jan. 5, 1959	7.92	27	7.56	29	9.38
Mar. 5	6.36	19	7.95	Dec. 4	7.06	Dec. 28	9.16
12	6.49	26	7.84	11	6.95		

Middlesex County

Cambridge 667. Cambridge Water Dept. Blanchard Rd. and Concord Ave. Lat 42°23'16", long 71°09'25". Drilled unused water-table well in sand and gravel, diam 8 in, depth 129 ft. Lsd 11.63 ft above msl. MP top of casing, 0.39 ft above lsd. Highest water level 5.71 below lsd. May 18, 1945; lowest 23.82 below lsd. Dec. 29, 1950. Records available: 1944-62.

Feb. 27, 1958	10.23	Mar. 31, 1959	6.64	Sept. 30, 1960	9.35	Sept. 29, 1961	7.41
Mar. 27	6.45	June 29	6.63	Dec. 29	6.79	Dec. 29	6.79
July 1	6.99	Oct. 1	8.73	Mar. 31, 1961	7.42	Mar. 30, 1962	6.50
31	10.65	Dec. 31	6.48	May 31	6.19	June 27	6.37
Sept. 30	14.21	Mar. 31, 1960	6.26	July 1	6.88	Sept. 27	9.03
Dec. 31	7.09	June 30	6.63	Aug. 31	8.50	Dec. 26	7.69

Chelmsford 68. Mrs. Harold Blackie. Middlesex St. and Groton Rd. Lat 42°38'45", long 71°23'14". Drilled unused water-table well in outwash, diam 6 in, depth 50 ft, cased to 50. Lsd 100.83 ft above msl. MP top of hole in cap on casing, 1.40 ft below lsd. Highest water level 5.38 below lsd. May 2, 1953; lowest 12.24 below lsd. Sept. 28, 1957. Records available: 1939-62.

Mar. 27, 1958	6.53	June 29, 1959	8.63	Dec. 29, 1960	7.85	Dec. 29, 1961	9.16
June 30	8.90	Oct. 1	10.12	Mar. 31, 1961	7.62	Mar. 30, 1962	7.34
July 30	8.97	Dec. 31	7.18	May 31	7.98	June 27	9.48
Sept. 29	9.95	Mar. 31, 1960	7.94	June 29	8.83	Sept. 27	10.51
Dec. 31	8.72	June 30	9.07	Aug. 31	10.75	Dec. 26	7.51
Mar. 31, 1959	7.58	Sept. 30	8.47	Sept. 29	9.89		

Lowell 14. Rogers Hall School. Rogers St. and Fort Hill Ave. Lat 42°38'12", long 71°17'48". Dug unused water-table well in till, diam 24 in, depth 30 ft, cased with stone. Lsd 157.78 ft above msl. MP top edge of stone slab under wooden cover, 0.20 ft below lsd. Highest water level 7.79 below lsd, Mar. 27, 1958; lowest 22.46 below lsd, Nov. 7, 1939. Records available: 1939-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	14.77	Apr. 30, 1959	11.50	July 29, 1960	13.69	Oct. 30, 1961	15.17
Feb. 27	11.45	May 29	11.87	Aug. 31	14.87	Nov. 30	14.03
Mar. 27	7.79	June 29	12.29	Sept. 30	15.54	Dec. 29	13.90
Apr. 20	8.97	July 30	11.94	Oct. 31	15.87	Jan. 31, 1962	12.45
May 28	9.60	Aug. 31	13.52	Nov. 30	15.15	Mar. 1	12.89
June 30	11.52	Oct. 1	13.90	Dec. 29	15.05	30	10.51
July 30	13.29	30	13.61	Feb. 1, 1961	14.51	Apr. 27	9.81
Aug. 28	14.60	Nov. 30	12.27	Mar. 1	13.67	May 28	10.86
Sept. 29	15.53	Dec. 31	10.77	31	10.33	June 27	12.64
Oct. 31	15.57	Feb. 1, 1960	11.10	Apr. 28	8.65	Jul. 30	14.40
Dec. 1	15.00	29	9.41	May 31	10.02	Aug. 28	15.62
31	14.43	Mar. 31	9.20	June 30	11.80	Sept. 27	16.56
Jan. 30, 1959	14.85	Apr. 29	9.23	July 31	13.45	Oct. 26	12.73
Feb. 26	14.92	May 31	10.23	Aug. 31	14.81	Nov. 28	11.42
Mar. 31	12.80	June 30	11.96	Sept. 29	15.48	Dec. 26	10.74

Lowell 41. (Cook test well 3.) City of Lowell. Plain and Manufacturers Sts. Lat 42°37'20", long 71°19'12". Driven unused water-table well in outwash, diam 2 in, depth 53 ft. Lsd 105.63 ft above msl. MP top of casing, at lsd. Highest water level 4.66 below lsd, Feb. 15, 1941; lowest 20.95 below lsd, Sept. 2, 1950. Records available: 1939-60. Measurement discontinued. Water levels affected by pumping.

Mar. 27, 1958	6.40	June 29, 1959	7.91	Feb. 1, 1960	7.93	July 29, 1960	8.86
June 30	9.57	July 30	6.08	29	5.87	Aug. 31	8.61
July 30	9.59	Aug. 31	9.36	Mar. 31	7.13	Sept. 30	7.86
Sept. 29	9.60	Oct. 1	9.45	Apr. 29	7.00	Oct. 31	7.08
Dec. 31	9.62	30	8.45	May 31	7.16	Nov. 30	7.16
Mar. 31, 1959	8.03	Nov. 30	7.13	June 30	8.82	Dec. 29	6.91
Apr. 30	7.56	Dec. 31	7.70				

Lowell 43. (Test well 26.) City of Lowell. Pawtucket Blvd. and Boulevard Ave. Lat 42°38'19", long 71°22'02". Driven unused water-table well in sand and gravel, diam 2½ in, depth 26 ft. Lsd 101.06 ft above msl. MP top of casing, at lsd. Highest water level 10.62 below lsd, June 4, 1940; lowest 25.76 below lsd, Dec. 30, 1948. Records available: 1940-62. Water levels affected by pumping.

Apr. 28, 1958	17.45	June 29, 1959	19.67	Mar. 31, 1961	20.76	Jan. 31, 1962	21.50
June 30	19.15	Oct. 1	22.48	May 31	18.98	Mar. 30	21.78
July 30	19.15	Mar. 31, 1960	23.29	June 30	20.05	June 27	18.84
Sept. 29	20.85	June 30	18.94	Aug. 31	21.35	Sept. 27	19.53
Dec. 31	21.84	Sept. 30	17.27	Sept. 29	20.68	Dec. 26	15.68
Mar. 31, 1959	23.14	Dec. 29	18.84				

Wilmington 10. L. Chisholm. Hopkins St. and Shawshen Ave. Lat 42°33'29", long 71°12'25". Dug unused water-table well in sand, diam 36 in, depth 9 ft, cased with stone. Lsd 113.63 ft above msl. MP projecting stone in well, 0.17 ft below lsd (since June 29, 1959). Highest water level 0.71 below lsd, Mar. 31, 1960; lowest dry, Dec. 13, 1941, Oct. 30, 1957. Records available: 1940-62.

Jan. 31, 1958	0.90	Apr. 30, 1959	0.95	July 29, 1960	5.51	Oct. 30, 1961	3.35
Feb. 27	(j)	May 29	2.88	Aug. 31	6.51	Nov. 30	1.75
Mar. 26	.82	June 29	1.61	Sept. 30	4.62	Dec. 29	1.70
Apr. 28	.76	July 30	2.43	Oct. 31	4.03	Jan. 31, 1962	1.97
May 28	1.40	Aug. 31	3.83	Nov. 30	2.72	Feb. 28	.99
June 30	3.60	Oct. 1	5.38	Dec. 29	2.41	Mar. 30	1.32
July 31	3.75	30	3.94	Feb. 1, 1961	2.94	Apr. 27	1.75
Aug. 28	4.83	Nov. 30	1.73	Mar. 1	1.27	May 28	2.70
Sept. 29	3.31	Dec. 31	1.77	31	1.30	June 27	4.16
Oct. 30	2.48	Feb. 1, 1960	1.75	Apr. 28	1.33	Jul. 30	6.31
Dec. 1	1.64	29	.93	May 31	1.87	Aug. 28	7.25
30	2.91	Mar. 31	.71	June 30	3.97	Sept. 27	7.49
Jan. 29, 1959	2.41	Apr. 29	1.20	July 31	5.58	Oct. 26	1.51
Feb. 26	2.22	May 31	1.69	Aug. 31	5.51	Nov. 28	1.58
Mar. 31	.86	June 30	4.57	Sept. 29	3.14	Dec. 26	1.87

j Frozen.

Wilmington 78. Town of Wilmington. Whitefield School, Middlesex Ave. Lat 42°34'01", long 71°09'38". Dag observation water-table well in sand, diam 42 in, depth 12 ft, cased with stone. Lsd about 80 ft above msl. MP hole in base of wooden recorder shelter, 0.3' ft above lsd. Highest water level 4.90 below lsd, May 2, 1953; lowest 11.27 below lsd, Oct. 30, 1957. Records available: 1951-62.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.06	5.67	6.28	5.54	6.26	7.16	8.34	8.79	9.19	8.23	8.06	7.87
10	7.95	5.99	6.25	5.42	6.05	7.40	8.48	8.86	9.25	8.14	8.00	7.76
15	7.68	6.32	6.22	5.33	6.22	7.61	8.60	8.95	9.33	8.29	7.99	7.80
20	7.45	6.63	6.05	5.74	6.43	7.83	8.71	9.04	9.28	8.42	8.04	7.96
25	6.11	6.80	5.44	6.03	6.66	8.02	8.82	9.04	9.10	8.52	8.19	8.14
Eom	5.42	5.98	5.48	6.16	6.91	8.18	8.84	9.12	8.60	8.19	8.10	8.29

1959

5	8.23	8.28	7.75	7.02	7.11	8.09	8.18	7.82	8.83	9.37	8.85	7.80
10	8.38	8.33	7.78	6.87	7.28	8.18	8.33	8.02	8.90	9.18	8.76	7.64
15	8.51	7.95	7.75	6.85	7.38	8.26	7.99	8.24	8.98	9.04	8.63	7.24
20	8.55	8.05	7.25	7.02	7.55	8.13	7.78	8.45	9.07	8.98	8.51	e7.3
25	8.27	8.19	7.34	7.16	7.74	8.03	7.33	8.62	9.17	8.97	8.37	e7.6
Eom	8.32	8.25	7.35	7.15	7.95	8.02	7.57	8.82	9.27	8.91	8.05	e7.5

1960

5	e7.6	7.87	....	6.18	6.99	7.59	8.53	9.31	9.73	8.54	8.18	8.43
10	e7.2	7.39	....	5.88	7.18	7.67	8.70	9.38	9.82	8.67	8.06	8.48
15	e6.9	7.04	....	6.09	e7.3	7.77	8.84	9.46	8.99	8.79	8.05	8.56
20	e6.9	6.64	....	6.36	e7.4	7.94	8.97	9.51	8.72	8.86	8.16	8.40
25	e7.7	6.73	....	6.56	e7.5	8.14	9.08	e9.62	8.52	8.77	8.29	8.07
Eom	e7.8	6.54	6.76	6.79	7.59	8.35	9.17	e9.65	8.45	8.53	8.37	7.98

1961

5	7.72	8.19	6.62	5.82	5.97	7.24	8.37	9.18	9.55	7.80	8.52	7.76
10	7.73	8.27	6.29	5.87	6.14	7.44	8.52	9.31	9.61	7.82	e8.6	8.01
15	7.73	8.36	6.12	5.65	6.38	7.64	8.69	9.43	9.72	8.00	e8.4	8.14
20	e7.8	7.93	6.14	5.34	6.63	7.85	8.80	9.57	9.75	8.14	e8.2	8.26
25	e8.0	7.17	6.04	5.59	6.88	8.03	8.92	9.67	8.52	8.26	e7.9	8.32
Eom	e8.1	6.94	5.99	5.82	7.07	8.20	9.07	9.62	7.91	8.38	7.70	8.34

1962

5	8.35	7.60	8.35	6.49	7.09	8.09	8.88	9.66	9.99	9.35	6.80	7.08
10	7.70	7.85	8.16	6.58	7.12	8.18	9.02	9.77	10.04	6.37	6.71	6.36
15	7.07	e8.04	7.23	6.75	7.31	8.30	9.15	9.87	10.10	6.30	6.60	6.47
20	7.37	8.17	7.12	6.80	7.48	8.45	9.28	9.95	10.14	6.53	6.83	6.75
25	7.42	8.32	7.00	6.95	7.65	8.59	9.42	10.01	10.17	6.80	6.87	7.02
Eom	7.54	8.26	6.94	7.11	7.90	8.73	9.55	10.03	9.79	7.00	6.96	7.23

e Estimated.

Woburn 38. City of Woburn. Woburn Parkway. Lat 42°27'57", long 71°09'38". Driven ununsed water-table well in glacial drift, diam 2½ in, depth 21 ft. Lsd 51.66 ft above msl. MP lowest point on top of bent casing, 1.50 ft above lsd. Highest water level 6.76 below lsd, Jan. 31, 1958; lowest 20.15 below lsd, Nov. 29, 1957. Records available: 1940-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	6.76	Apr. 30, 1959	10.05	July 29, 1960	11.71	Nov. 30, 1961	9.39
Feb. 27	9.59	May 29	11.40	Aug. 31	13.07	Dec. 29	10.15
Mar. 28	7.91	June 29	10.14	Sept. 30	10.77	Jan. 31, 1962	9.37
Apr. 30	9.52	July 30	9.48	Oct. 31	10.24	Feb. 28	12.22
May 29	9.74	Aug. 31	11.78	Nov. 30	10.48	Mar. 30	9.03
July 1	9.68	Oct. 1	13.07	Dec. 29	9.89	Apr. 27	9.46
31	10.18	30	13.70	Mar. 1, 1961	7.83	May 28	10.89
Aug. 29	10.55	Nov. 30	12.60	31	8.93	June 27	10.33
Sept. 30	11.38	Dec. 31	10.28	Apr. 28	8.45	July 30	10.89
Oct. 30	12.45	Feb. 1, 1960	11.11	May 31	9.57	Aug. 28	13.20
Dec. 1	11.36	29	9.33	June 29	10.21	Sept. 27	14.88
31	12.69	Mar. 31	10.40	July 31	10.39	Oct. 26	9.05
Jan. 29, 1959	13.20	Apr. 29	9.43	Sept. 1	11.33	Nov. 28	9.07
Feb. 26	13.16	May 31	10.03	29	9.59	Dec. 26	9.04
Mar. 31	10.87	June 30	11.73	Oct. 30	10.29		

Plymouth County

Plymouth 22. U. S. Geol. Survey. Meadow Rd. at Plymouth Airport. Lat 41°54'53", long 70°43'49". Driven observation water-table well in sand, diam 1½ in, depth 42 ft (previously reported 41 ft), screened 40-42. Lsd about 145 ft above msl. MP top of casing, at lsd (since Nov. 28, 1959). Highest water level 19.82 below lsd, May 26, 1958; lowest 26.64 below lsd, Dec. 30, 1957. Records available: 1956-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1958	24.94	Apr. 27, 1959	22.2	June 28, 1960	23.38	Sept. 1, 1961	24.89
24	24.05	June 1	22.44	July 30	23.88	30	24.94
Mar. 24	23.41	30	22.85	Aug. 31	24.96	Nov. 1	24.95
May 1	20.94	July 27	22.99	Oct. 1	24.9	30	24.93
26	19.82	Sept. 1	23.34	31	25.03	Jan. 31, 1962	23.94
June 30	20.06	Oct. 1	24.15	Nov. 30	25.9	Apr. 1	23.92
July 29	20.60	27	24.63	Dec. 31	25.98	26	23.90
Sept. 2	21.29	Nov. 28	25.07	Jan. 31, 1961	25.96	May 27	23.04
Oct. 28	22.61	Dec. 23	24.99	Mar. 1	24.98	June 28	24.00
Dec. 1	22.75	Feb. 2, 1960	24.18	31	24.92	July 29	24.95
29	23.16	Mar. 1	23.88	Apr. 30	23.90	Aug. 27	25.00
Jan. 27, 1959	23.38	29	23.34	May 31	23.00	Sept. 28	25.59
Mar. 2	23.20	Apr. 26	22.28	July 1	22.98	Oct. 30	24.21
30	22.5	June 8	22.98	Aug. 4	23.94	Dec. 28	25.5

Worcester County

Leominster 11. C. S. Pierce. Nashua St. and Boston and Maine RR. tracks. Lat 42°31'55", long 71°44'06". Dug unused water-table well in glacial drift, diam 4 ft, depth 11 ft, cased with stone. Lsd 363.18 ft above msl. MP top of horizontal steel bar, 1.30 ft above lsd. Highest water level 0.54 below lsd, Sept. 11, 1954; lowest 9.98 below lsd, Sept. 28, 1957. Records available: 1939-62.

Jan. 2, 1958	1.57	Apr. 30, 1959	1.49	July 29, 1960	5.77	Oct. 30, 1961	6.14
31	1.25	May 29	4.85	Aug. 31	6.60	Nov. 30	3.39
Feb. 25	2.87	June 29	5.05	Sept. 30	4.47	Dec. 29	3.34
Mar. 27	1.00	July 30	3.83	Oct. 31	3.58	Jan. 31, 1962	3.24
Apr. 28	1.40	Aug. 31	3.91	Nov. 30	1.70	Feb. 28	2.95
May 28	3.54	Oct. 1	6.24	Dec. 29	3.50	Mar. 30	1.68
June 30	5.45	29	2.69	Feb. 1, 1961	3.85	Apr. 27	3.74
July 30	4.42	Nov. 30	1.77	Mar. 1	1.35	May 28	4.85
Aug. 28	5.91	Jan. 1, 1960	3.02	31	2.28	June 27	5.71
Sept. 29	4.93	Feb. 3	3.50	Apr. 28	2.58	July 30	7.86
Oct. 31	3.83	29	2.20	May 31	3.56	Aug. 28	6.67
Dec. 1	2.26	Mar. 31	.88	June 29	5.25	Sept. 27	7.59
31	3.78	Apr. 29	2.60	July 31	6.02	Oct. 26	3.58
Jan. 30, 1959	3.20	May 31	3.49	Aug. 31	7.62	Nov. 28	3.09
Feb. 27	4.50	June 30	5.37	Sept. 29	5.74	Dec. 26	4.73
Mar. 31	2.49						

Sterling 1. Nunzio Lanciani. Justice Hill and South Nelson Rds. Lat 42°28'05", long 71°48'08". Dug unused water-table well in till, diam 24 in, depth 15 ft, cased with stone. Lsd about 710 ft above msl. MP edge of notch in center of 2- x 4-in board, at lsd. Highest water level 2.01 below lsd, May 21, 1954; lowest 13.56 below lsd, Oct. 25, 1957. Records available: 1947-62.

Jan. 3, 1958	3.09	May 16, 1958	3.04	Sept. 26, 1958	7.38	Feb. 6, 1959	3.17
10	3.12	23	3.29	Oct. 3	6.01	13	3.19
17	3.06	30	3.38	10	6.42	20	3.19
24	2.98	June 6	3.88	17	7.04	27	3.39
31	3.01	13	3.71	24	7.16	Mar. 6	3.18
Feb. 7	3.06	20	4.38	31	5.42	13	3.16
14	3.16	27	4.78	Nov. 7	5.07	20	3.12
21	3.22	July 4	5.88	14	4.43	27	2.88
28	3.00	11	6.22	21	4.58	Apr. 3	2.39
Mar. 7	3.02	18	5.62	28	4.46	10	3.01
14	2.97	25	6.31	Dec. 5	3.12	17	3.05
21	2.98	Aug. 1	6.06	12	3.16	24	3.13
28	2.96	8	6.88	19	3.21	May 1	3.01
Apr. 4	2.94	15	7.62	26	3.52	8	3.24
11	2.94	22	8.27	Jan. 2, 1959	3.22	15	3.34
18	3.02	29	8.51	9	3.49	22	3.69
25	3.12	Sept. 5	9.11	16	3.61	29	4.44
May 2	3.04	12	9.46	23	3.01	June 5	4.16
9	3.01	19	8.68	30	2.87	12	5.13

Sterling 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 19, 1959	3.81	Feb. 12, 1960	2.84	Oct. 7, 1960	6.13	Aug. 28, 1961	9.28
26	4.77	19	3.01	14	6.79	Sept. 15	10.70
July 3	5.52	26	2.87	21	6.15	29	7.88
10	6.57	Mar. 5	3.02	28	4.24	Oct. 14	8.37
17	5.83	11	3.03	Nov. 4	3.15	28	8.44
24	3.18	18	3.01	11	3.06	Nov. 14	7.41
31	4.26	25	2.88	18	3.25	28	5.05
Aug. 7	5.38	Apr. 1	2.46	25	3.36	Dec. 14	4.68
14	6.08	8	3.01	Dec. 2	3.02	29	3.78
21	7.08	15	3.02	9	3.26	Jan. 14, 1962	3.00
28	7.83	22	3.02	16	3.22	22	3.08
Sept. 4	3.69	29	3.02	23	3.01	Feb. 14	3.17
11	4.79	May 6	3.38	30	2.88	27	3.22
18	5.88	13	2.82	Jan. 6, 1961	3.13	Mar. 14	3.01
25	6.89	20	3.17	13	3.21	28	2.82
Oct. 2	7.59	27	3.02	21	3.02	Apr. 14	2.87
9	5.68	June 3	3.08	27	3.26	27	3.01
16	4.74	10	3.81	Feb. 3	3.48	May 14	3.07
23	5.36	17	3.76	10	3.21	27	2.78
30	3.42	24	5.00	17	3.21	June 14	3.42
Nov. 6	3.23	July 1	5.86	24	2.85	27	4.78
13	3.14	8	6.29	Mar. 3	3.01	July 14	8.17
20	3.13	15	6.42	10	3.02	27	8.33
27	3.01	22	6.48	17	3.01	Aug. 14	9.36
Dec. 4	3.08	29	7.67	31	2.83	27	9.48
11	3.04	Aug. 5	6.35	Apr. 15	2.88	Sept. 14	10.73
18	3.02	12	6.50	28	3.04	28	10.28
25	3.19	19	7.05	May 15	3.17	Oct. 14	3.25
Jan. 1, 1960	3.17	26	8.00	29	3.18	27	3.22
8	3.09	Sept. 2	8.87	June 16	3.75	Nov. 14	3.13
15	3.07	9	9.56	30	5.08	27	3.18
22	3.18	16	5.48	July 15	6.47	Dec. 14	3.18
29	3.28	23	4.68	28	6.87	28	3.27
Feb. 5	3.28	30	5.59	Aug. 15	8.54		

Winchendon 13. W. B. Hart. Forristall and Crosby Rds. Lat 42°42'04", long 72°01'52". Dug unused water-table well in glacial drift, diam 24 in, depth 12 ft, cased with stone. Lsd 1, 209.36 ft above msl. MP top of wooden cover, 0.82 ft above lsd. Highest water level 1.86 below lsd, Mar. 20, 1948; lowest 12.99 below lsd, Nov. 27, 1956. Records available: 1939-62.

Jan. 31, 1958	3.27	June 27, 1959	7.32	Oct. 31, 1960	4.87	Dec. 30, 1961	6.43
Feb. 26	5.14	July 30	9.02	Nov. 30	4.84	Jan. 30, 1962	6.43
Mar. 31	2.67	Sept. 28	11.61	Dec. 29	5.85	Feb. 28	6.54
Apr. 29	2.64	Oct. 1	11.70	Jan. 31, 1961	6.97	Apr. 3	3.50
May 30	3.20	30	8.93	Feb. 28	4.61	26	4.24
July 30	6.26	Nov. 29	2.78	Mar. 28	2.87	May 26	4.95
Sept. 29	9.97	Dec. 30	4.29	Apr. 28	3.02	June 27	7.43
Oct. 31	9.24	Jan. 29, 1960	5.40	May 31	4.29	July 30	10.03
Nov. 29	6.56	Mar. 29	4.83	June 28	5.84	Aug. 27	10.97
Dec. 30	6.62	Apr. 29	3.24	July 28	7.94	Sept. 27	11.66
Jan. 30, 1959	4.70	May 30	4.49	Aug. 30	9.73	Oct. 29	10.07
Feb. 27	6.40	June 30	5.67	Sept. 28	8.43	Nov. 28	5.84
Mar. 30	4.44	July 28	7.29	Oct. 31	8.24	Dec. 27	4.95
May 29	5.65	Sept. 29	5.75	Nov. 30	5.79		

References

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- Petersen, Richard G., 1962, Records of selected wells, test holes, ponds, and streams in the Brockton-Pembroke area, Massachusetts: Massachusetts basic-data report no. 5, ground-water series: U.S. Geol. Survey open-file rept.

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- Sammel, Edward A., 1962, Records of wells, materials tests, and chemical analyses of water in the Parker and Rowley River basins, Massachusetts: Massachusetts basic-data report no. 4, ground-water series: U.S. Geol. Survey open-file rept.
- Sammel, Edward A., and Baker, John A., 1962, Records of wells, materials tests, and chemical analyses of water in the lower Ipswich River Basin, Massachusetts: Massachusetts basic-data report no. 2, ground-water series: U.S. Geol. Survey open-file rept.

MICHIGAN

By P. R. Giroux and G. C. Huffman

The observation-well program in Michigan was continued from 1958 through 1962 in cooperation with the State Water Resources Commission and the Geological Survey Division of the State Department of Conservation. Figure 7 shows the location of observation wells included in this report.

Well-Numbering System

The well-numbering system used by the State and Federal Surveys in Michigan indicates the location of wells within the rectangular subdivision of the land with reference to the Michigan meridian and base line. The first two segments of a well number designate township and range; the third segment designates both the section and the well within the section. Thus, well number 24 2W 20-1 is well number 1 in section 20, Township 24 North, Range 2 West.

Well Descriptions and Water-Level Measurements

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

Baraga County

Covington Township

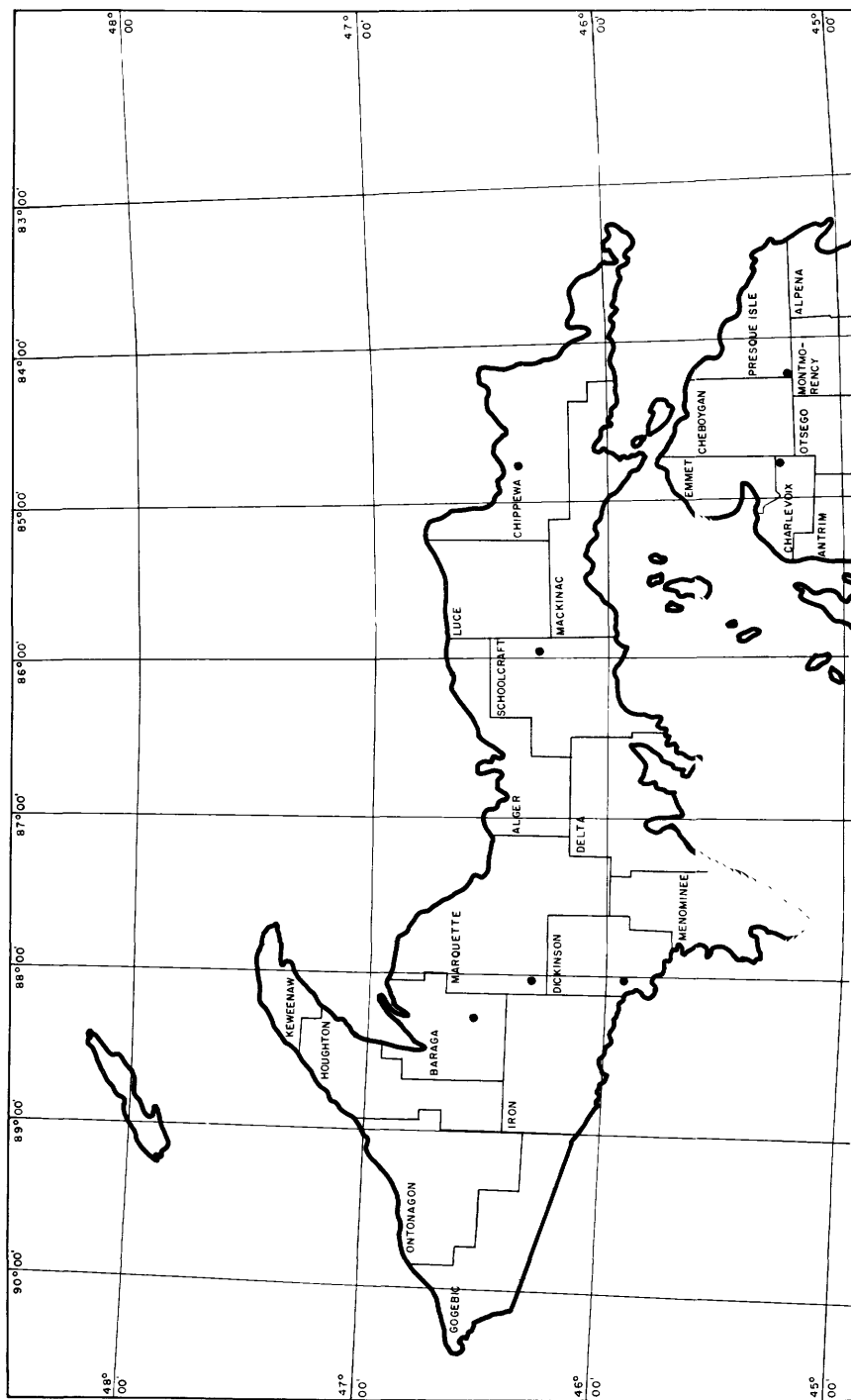
48N 32W 12-1. (W. M. P. No. 14.) State Highway Dept. U. S. Highway 41. Near Nestoria. Driven observation water-table well in sand and gravel, diam $1\frac{1}{4}$ in, depth 10 ft, screened 7-10. MP top of casing, 0.90 ft above lsd. Highest water level 4.19 below lsd, May 3, 1951; lowest 7.33 below lsd, Feb. 28, 1962. Records available: 1948-62. Measurements made by Wisconsin-Michigan Power Co.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1958	5.35	Apr. 30, 1959	6.03	Aug. 1, 1960	4.93	Nov. 1, 1961	5.39
31	5.77	June 1	4.89	Sept. 2	4.72	30	5.95
Feb. 27	5.96	July 1	4.90	30	4.81	Dec. 28	6.44
Apr. 1	5.96	31	4.92	Nov. 1	4.52	Jan. 31, 1962	7.12
30	5.01	Aug. 31	4.60	Dec. 1	4.76	Feb. 28	7.33
May 31	5.11	Oct. 1	4.46	30	4.96	Mar. 29	7.04
June 30	4.91	Nov. 3	4.43	Jan. 30, 1961	6.05	May 1	4.93
Aug. 1	5.30	Dec. 1	4.67	Mar. 1	6.41	June 1	5.03
Sept. 2	5.33	29	4.71	29	5.60	July 3	5.67
Oct. 1	5.61	Feb. 1, 1960	4.86	May 1	5.01	Aug. 1	6.43
30	5.43	Mar. 1	4.95	June 2	5.10	31	6.69
Dec. 1	5.55	31	4.87	30	5.55	Oct. 2	5.58
30	5.85	May 3	4.59	Aug. 2	5.80	Nov. 1	5.17
Jan. 30, 1959	6.10	June 1	4.77	Sept. 1	6.23	30	5.31
Feb. 26	6.50	July 1	4.87	Oct. 3	5.61	Dec. 27	5.36
Mar. 31	6.44						

Branch County

City of Coldwater

6S 6W 22-1. City of Coldwater. Park Ave. and Bennett St., Coldwater. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 8 to 6 in, depth 130 ft, screened 80-130. MP top of 1-in casing extension, 10.87 ft below lsd (since Jan. 1, 1962). Highest water level 10.08 below lsd, Apr. 8, 1950; lowest 16.91 below lsd, Aug. 24, 1962. Records available: 1949-62. Water levels affected by nearby pumping. Measurements made by Board of Public Works.



6S 6W 22-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1958	13.82	Feb. 20, 1959	13.72	Apr. 1, 1960	12.75	June 23, 1961	13.84
10	13.12	27	13.21	8	13.30	30	14.15
17	14.03	Mar. 6	12.59	15	12.90	July 7	15.12
24	13.35	13	13.47	22	12.62	14	14.34
31	13.68	20	13.36	29	12.13	21	14.86
Feb. 7	14.29	27	13.29	May 6	13.12	28	14.44
14	13.53	Apr. 3	12.78	13	12.49	Aug. 4	13.93
21	13.70	11	12.68	20	12.40	11	14.05
28	13.92	17	12.97	27	12.14	18	13.99
Mar. 7	13.75	25	13.22	June 3	13.43	25	14.49
14	13.85	May 8	13.15	10	13.90	Sept. 1	13.79
21	13.88	15	13.20	17	13.34	8	14.34
28	13.76	22	13.50	24	13.10	15	14.75
Apr. 4	13.82	29	13.50	July 1	13.27	22	13.97
11	13.75	June 5	14.12	8	13.18	Jan. 3, 1962	13.27
18	13.90	12	14.57	15	13.29	Mar. 9	13.19
25	13.95	19	14.85	22	13.85	16	13.63
May 2	14.03	26	14.88	29	13.71	23	12.67
9	14.11	July 3	14.50	Aug. 5	14.40	30	11.56
16	14.80	10	15.50	12	13.34	Apr. 6	11.35
23	14.53	16	16.40	19	14.19	13	11.37
30	15.22	24	14.18	26	14.90	20	11.79
June 7	15.43	31	13.49	Sept. 2	15.10	27	13.58
14	14.92	Aug. 7	14.30	9	15.05	May 5	12.47
20	15.15	14	14.20	16	15.54	11	13.78
27	15.09	21	13.90	23	15.61	18	14.26
July 4	15.31	29	15.67	30	15.59	25	13.93
11	15.13	Sept. 4	15.28	Oct. 28	15.06	June 8	12.94
18	14.54	11	15.38	Nov. 4	15.30	15	13.00
25	14.80	18	15.35	11	15.40	22	13.54
Aug. 1	14.60	25	15.40	18	15.77	29	13.91
8	14.80	Oct. 1	15.16	25	15.75	July 6	15.86
16	14.70	8	15.07	Dec. 29	15.73	13	15.89
23	14.61	15	15.01	Jan. 6, 1961	15.60	20	15.85
29	14.70	24	14.38	13	15.54	27	15.77
Sept. 5	15.04	30	15.03	20	15.66	Aug. 3	15.82
13	14.96	Nov. 6	14.48	27	14.95	10	14.69
19	14.88	13	14.92	Feb. 3	15.80	17	14.71
Oct. 4	14.25	20	13.65	10	15.94	24	16.91
11	14.30	27	13.56	17	15.70	31	14.86
17	14.38	Dec. 4	14.30	24	14.93	Sept. 7	15.06
25	15.46	11	14.38	Mar. 3	15.37	14	15.11
31	15.54	18	13.46	10	14.27	21	14.94
Nov. 8	15.50	25	14.17	17	14.18	28	15.00
15	15.59	Jan. 1, 1960	13.35	24	13.16	Oct. 5	15.07
21	15.20	8	13.30	31	14.07	12	15.24
29	14.14	15	13.38	Apr. 7	13.56	19	15.17
Dec. 5	14.24	22	12.65	14	14.14	26	15.28
12	15.05	29	12.45	21	13.90	Nov. 2	16.71
19	14.34	Feb. 5	13.55	28	11.88	9	14.92
26	15.14	12	11.65	May 5	11.60	16	14.95
Jan. 2, 1959	14.25	19	12.60	12	11.00	23	15.89
9	15.19	26	12.28	19	12.78	Dec. 1	15.67
16	14.46	Mar. 4	12.56	26	13.20	7	14.90
23	14.44	11	13.37	June 2	12.88	14	14.87
30	14.29	18	12.05	9	13.53	21	15.15
Feb. 6	14.45	25	12.93	16	12.29	28	14.96
13	13.62						

Calhoun County

Pennfield Township

1S 7W 10-1. Kenneth N. Sabin. NW $\frac{1}{4}$ NW $\frac{1}{4}$ of sec. Dug stock water-table well in deposits of Pleistocene age, diam 15 in, depth 8 ft, tiled to open bottom. Lsd 907.99 ft above msl. MP top of wood pumpbase, 1.65 ft above lsd. Highest water level 0.89 below lsd, Mar. 28, 1950; lowest 5.98 below lsd, Feb. 11, 1959. Records available: 1946-62.

18 7W 10-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1958	4.85	Apr. 1, 1959	4.20	June 29, 1960	2.85	Sept. 27, 1961	4.63
8	4.85	8	4.00	July 6	2.95	Oct. 3	4.77
15	4.86	15	3.99	13	3.05	10	4.85
22	4.89	22	4.13	20	3.27	17	4.89
29	4.93	29	3.95	27	3.25	24	4.95
Feb. 5	4.93	May 6	3.97	Aug. 3	3.40	26	5.01
12	4.99	13	4.15	11	3.45	Nov. 1	5.01
19	4.98	20	4.23	18	3.53	8	5.02
26	5.03	27	4.20	25	3.61	15	5.03
Mar. 5	4.45	June 3	3.57	31	3.57	22	5.04
12	4.46	10	3.95	Sept. 7	3.59	26	5.04
19	4.47	17	3.97	14	3.67	Dec. 6	5.05
26	4.45	24	4.18	21	3.75	13	5.11
Apr. 2	4.45	July 1	4.23	28	3.77	20	5.12
9	4.39	8	4.30	Oct. 5	4.17	27	5.15
16	4.36	15	4.46	12	4.15	Jan. 3, 1962	5.17
23	4.35	22	4.47	19	4.09	10	5.30
30	4.35	29	4.29	26	4.08	17	5.20
May 7	4.43	Aug. 5	4.29	Nov. 2	4.10	24	5.15
14	4.37	12	4.54	9	4.15	31	5.12
21	4.41	19	4.55	16	4.16	Feb. 7	5.12
28	4.46	26	4.67	23	4.23	14	5.11
June 4	4.45	Sept. 2	4.71	30	4.26	21	5.12
11	4.43	9	4.91	Dec. 7	4.26	28	5.13
18	4.55	16	4.97	14	4.32	Mar. 7	5.13
25	4.57	23	4.96	21	4.35	14	4.55
July 2	4.75	30	4.75	28	4.48	21	4.30
9	4.56	Oct. 7	4.35	Jan. 4, 1961	4.51	28	4.28
10	4.61	14	4.24	11	4.55	Apr. 4	4.30
16	4.73	21	4.47	18	4.65	11	3.75
23	4.75	28	4.53	25	4.70	18	3.72
30	4.87	Nov. 4	4.54	Feb. 1	4.72	25	3.70
Aug. 6	4.98	11	4.75	8	4.70	May 2	3.70
13	5.01	18	4.27	15	4.69	9	3.73
20	5.05	25	4.29	22	4.69	16	3.75
27	5.08	Dec. 3	4.29	Mar. 1	4.69	23	3.73
Sept. 3	5.15	10	4.30	8	4.65	30	3.73
10	5.20	16	4.31	15	4.59	June 5	3.75
17	5.25	23	4.15	22	4.55	11	3.85
24	5.30	30	4.06	29	4.52	19	3.88
Oct. 1	5.35	Jan. 7, 1960	3.45	Apr. 5	4.18	27	3.90
8	5.30	13	3.39	12	4.05	July 4	3.92
15	5.35	20	3.39	19	3.99	11	3.91
22	5.43	27	3.37	26	3.91	18	4.31
29	5.50	Feb. 3	3.37	May 3	3.91	25	4.28
Nov. 5	5.54	10	3.35	10	3.95	Aug. 8	4.75
12	5.62	17	3.31	17	4.05	15	4.69
19	5.60	24	3.32	24	4.09	22	4.67
26	5.64	Mar. 2	3.57	31	4.11	29	4.64
Dec. 3	5.64	9	3.55	June 7	4.11	Sept. 5	4.64
10	5.71	16	3.54	14	4.21	12	4.79
17	5.71	23	2.85	21	4.25	19	4.76
24	5.48	30	2.73	28	4.27	26	4.79
31	5.49	Apr. 6	2.35	July 5	3.35	Oct. 3	5.02
Jan. 7, 1959	5.55	13	2.28	12	4.35	10	5.05
14	5.56	20	2.25	19	4.60	17	5.19
21	5.89	27	2.23	25	4.65	24	5.31
28	5.90	May 4	2.57	Aug. 2	4.65	Nov. 7	5.08
Feb. 4	5.97	11	2.75	8	4.61	14	5.13
11	5.98	18	2.85	15	4.63	21	5.22
18	5.25	25	2.95	22	4.75	28	5.22
25	5.23	June 1	3.13	29	4.71	Dec. 8	5.25
Mar. 4	4.60	8	2.97	Sept. 6	4.41	12	5.29
11	4.65	15	2.69	13	4.49	19	5.31
18	4.63	22	2.75	20	4.57	23	5.35
25	4.62						

1S 7W 32-1. City of Battle Creek. NE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. Drilled unused artesian well in Marshall Formation of Mississippian age, diam 8 in, depth 127 ft, cased to 103. Lsd 830.79 ft above msl. MP top of recorder base, 2.10 ft above lsd. Highest water level 0.7 below lsd, Apr. 26-27, 1950; lowest 16.75 below lsd, July 16, 1959. Records available: 1939-62. Measurements made by Water Dept. Water levels affected by nearby pumping. For additional measurements, see Giroux (1962).

Water level at 8 a. m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.35	9.55	9.28	8.55	9.48	11.45	10.95	15.35	.....	.....	.....	13.17
10	10.35	9.60	10.00	9.10	11.05	12.55	12.02	.....	.....	12.91	.....	11.55
15	10.22	8.18	9.00	9.40	11.00	11.20	13.00	.....	.....	12.27	.....	11.75
20	9.65	9.18	9.26	9.00	10.65	11.57	12.80	.....	.....	13.35	.....	12.02
25	9.00	8.40	9.05	9.58	12.15	10.37	14.20	.....	.....	11.70	11.45	10.59
Eom	9.55	8.26	9.95	10.20	12.60	12.75	13.83	.....	.....	12.20	9.95	11.99

1959

5	11.95	13.56	12.66	10.45	12.85	13.76	13.60	14.34	13.00	12.50	11.10	10.10
10	13.00	12.80	12.70	12.66	11.20	14.58	14.29	13.60	14.41	11.07	11.50	11.24
15	13.67	12.40	11.40	12.53	10.42	11.50	16.48	14.10	13.28	12.60	11.75	11.80
20	12.60	12.82	13.05	12.50	10.77	13.46	15.20	15.19	11.95	12.71	11.59	10.85
25	12.07	12.11	12.16	12.70	11.12	13.25	13.60	13.68	14.54	10.80	11.64	9.61
Eom	13.40	12.70	11.55	13.58	11.38	14.00	14.70	14.58	13.23	10.98	11.10	9.98

1960

5	10.15	8.85	.....	9.10	9.75	9.15	9.90	12.00	9.90	11.63	9.50	11.18
10	9.25	8.20	.....	7.90	10.80	9.40	9.40	10.57	10.90	10.45	10.45	11.65
15	10.97	9.40	.....	9.10	9.90	10.58	9.53	10.20	11.60	10.80	11.30	.....
20	8.10	.....	.....	8.92	9.95	10.25	11.42	11.20	10.85	10.95	9.80	11.55
25	10.70	.....	.....	8.90	9.60	10.15	12.00	11.35	10.50	10.25	9.51	10.05
Eom	8.90	.....	8.70	8.20	10.50	10.70	10.50	11.49	11.60	10.15	11.50	11.75

1961

5	11.20	10.90	10.40	11.90	11.50	10.50	12.00	11.60	10.55	12.65	12.45	11.80
10	11.20	11.08	12.00	10.80	9.70	10.50	11.80	12.30	10.95	12.00	12.75	9.10
15	10.90	10.75	11.30	11.90	9.10	11.70	11.40	11.70	12.43	12.70	13.70	11.08
20	11.66	11.49	11.75	11.82	9.50	11.50	12.30	11.90	11.40	13.17	12.20	10.30
25	11.50	10.40	10.35	10.05	11.35	10.25	12.00	11.30	11.50	13.20	10.80	9.55
Eom	11.03	11.75	12.60	9.45	10.45	11.80	11.70	12.00	11.10	12.65	12.75	10.05

1962

5	10.80	10.30	9.90	8.95	8.95	10.65	9.05	10.10	11.95	11.43	10.90	10.45
10	11.80	10.30	9.90	8.15	9.10	9.25	9.60	11.07	12.10	11.05	10.50	10.20
15	11.10	10.15	10.50	7.40	9.05	10.79	8.95	13.00	10.60	10.60	11.00	10.40
20	10.30	10.45	9.15	9.07	9.15	10.65	11.37	11.85	10.90	11.20	10.10	10.75
25	10.30	10.20	7.45	8.20	9.70	9.75	9.70	12.50	11.50	11.10	10.20	9.80
Eom	10.20	9.90	8.90	9.40	9.50	10.15	9.90	12.03	10.55	11.03	11.34	10.70

City of Battle Creek

2S 8W 2-1. Oliver Electrical Mfg. Co. Formerly Post Products Corp. Angell and Lafayette Sts. Drilled unused artesian well in Marshall Formation of Mississippian age, diam 10 in, depth 92 ft, cased to 45. Lsd 818.99 ft above msl. MP top of recorder base, 1.00 ft above lsd. Highest water level 4.75 below lsd, Apr. 9, 1947; lowest 14.95 below lsd, Sept. 11, 1959. Records available: 1946-62. Water levels affected by regional pumping. For additional measurements, see Giroux (1962).

Water level at 2 a. m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.81	8.46	8.04	8.50	8.63	9.47	11.20	12.59	e13.50	14.24	14.60	e14.60
10	8.03	8.42	e8.10	8.58	e8.80	9.80	11.38	12.76	13.70	14.45	14.51	14.74
15	8.17	.....	8.13	8.50	8.95	10.07	11.56	13.05	13.69	14.42	14.65	14.64
20	8.14	.....	8.46	8.49	8.99	10.48	11.67	13.18	e14.10	14.28	e14.70	e14.66
25	8.32	.....	8.41	8.82	8.99	10.77	12.05	13.19	h14.82	14.51	14.67	14.51
Eom	8.47	.....	8.37	8.79	9.19	10.99	12.39	13.39	h14.72	14.59	14.37	14.55

1959

5	14.28	14.76	13.60	12.66	h13.14	13.77	e14.45	14.42	14.80	14.30	e13.60	13.38
10	14.59	14.68	13.30	12.60	13.08	13.89	14.58	14.32	14.82	13.78	e13.65	13.47
15	14.61	14.27	13.16	12.59	13.44	e14.05	14.69	14.59	14.69	13.58	13.50	13.22
20	14.56	14.19	13.15	12.70	e13.40	14.13	14.48	14.63	e14.85	13.55	13.45	13.19
25	14.50	14.02	e12.90	e12.95	e13.65	14.30	e14.75	14.66	14.71	13.57	e13.45	13.29
Eom	14.76	13.86	12.91	e13.05	13.49	14.42	e14.55	14.73	14.54	e13.65	e13.40	13.40

e Estimated.

h Tape measurement.

2S 8W 2-1--Continued.

1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.3	12.9	13.0	e12.2	12.7	12.6	11.7	13.1	13.5	14.0	14.4	14.0
10	13.4	12.7	13.2	e12.4	12.7	12.9	12.0	13.3	13.9	13.9	14.4	e14.1
15	13.0	12.6	e13.3	12.5	12.6	12.6	12.4	13.2	13.9	14.3	14.2	e14.2
20	12.5	12.7	e13.4	12.4	12.9	11.6	12.6	13.4	13.8	14.2	13.9	e14.3
25	12.5	12.9	e13.3	12.2	12.9	11.8	12.6	13.5	13.7	14.2	13.8	14.21
Eom	12.6	12.6	h13.13	12.6	12.6	12.0	12.7	13.6	14.0	14.2	14.0	14.35

1961

5	14.39	14.44	14.24	.....	12.67	13.65	13.95	14.39	13.85	13.85	14.21	13.94
10	.....	14.48	14.10	.....	12.77	13.86	14.05	14.48	14.10	14.03	14.23	13.89
15	14.26	14.50	13.80	.....	12.95	13.82	14.22	14.53	14.27	13.99	14.25	13.94
20	14.39	14.30	13.63	.....	13.12	13.86	14.33	14.55	14.28	14.16	14.00	13.88
25	14.44	.....	13.70	13.40	13.40	13.88	14.42	14.66	14.04	14.21	13.95	13.80
Eom	.....	.....	13.65	12.85	13.55	14.12	14.38	13.93	13.88	14.22	13.94	13.74

Lowest water level for the day, from recorder graph, 1962

5	14.15	14.03	14.24	13.20	13.43	13.56	13.77	13.85	14.42	14.36	14.42	14.70
10	14.10	14.00	14.21	13.31	13.19	13.52	13.87	13.87	14.36	14.40	14.29	14.70
15	14.07	14.20	13.65	13.27	13.04	13.54	13.76	14.06	14.17	14.52	14.44	14.71
20	14.00	14.28	13.36	13.47	13.10	13.62	13.94	14.16	14.27	14.52	14.40	14.55
25	14.21	14.26	13.08	13.47	13.30	13.66	13.60	14.25	14.18	14.40	14.39	14.36
Eom	14.09	14.32	13.05	13.62	13.43	13.75	13.80	14.40	14.14	14.45	14.60	14.29

e Estimated.

h Tape measurement.

Battle Creek Township

2S 8W 14-2. City of Battle Creek. SE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. Drilled unused artesian well in sand of Pleistocene age, diam 26 in, depth 89 ft, screened 49-89. Lsd 914.97 ft above msl. MP ledge support of manhole cover, 0.56 ft above lsd. Highest water level 6.22 below lsd, May 29, 1950; lowest 12.86 below lsd, Oct. 18, 1946. Records available: 1945-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 16, 1958	9.44	Sept. 18, 1959	9.28	Oct. 7, 1960	8.06	Dec. 19, 1961	9.19
July 9	9.40	Dec. 30	9.00	Dec. 22	8.52	Apr. 3, 1962	8.94
Oct. 6	9.90	Feb. 26, 1960	8.78	Apr. 4, 1961	8.84	July 3	8.27
Dec. 17	9.97	Apr. 12	8.41	June 21	8.36	Oct. 5	8.48
Apr. 10, 1959	8.33	June 29	7.24	Sept. 18	8.62	Dec. 20	9.04
July 6	8.77						

City of Marshall

2S 6W 25-1. City of Marshall. East Michigan Ave. and East Dr. Drilled unused artesian well in Marshall Formation of Mississippian age, diam 6 in, depth 59 ft. Lsd 904.85 ft above msl. MP lower outside edge of hydrant spout, 1.20 ft above lsd. Highest water level 5.46 below lsd, May 9, 1950; lowest 9.59 below lsd, Oct. 6, 1958. Records available: 1950-62. Water levels affected by regional pumping.

Apr. 16, 1958	8.85	July 6, 1959	9.10	Sept. 1, 1960	7.98	Sept. 1, 1961	8.50
May 1	8.96	Aug. 18	9.20	Oct. 7	8.10	Oct. 5	8.46
28	9.20	Sept. 8	9.34	Nov. 1	8.15	Nov. 1	8.51
July 1	9.20	23	9.45	Dec. 1	8.25	Dec. 5	8.50
9	9.29	Nov. 3	9.01	22	8.40	Jan. 2, 1962	8.51
Sept. 1	9.54	Dec. 2	8.85	Jan. 3, 1961	8.45	Feb. 2	8.53
Oct. 6	9.59	30	8.81	Feb. 13	8.23	Mar. 5	8.48
Nov. 5	9.46	Feb. 1, 1960	8.38	Mar. 1	8.00	Apr. 30	7.90
Dec. 17	9.50	Mar. 1	8.32	Apr. 3	8.30	June 1	7.99
29	9.54	Apr. 1	7.38	4	8.40	29	8.27
Jan. , 1959	9.52	12	7.82	30	7.95	Aug. 1	8.38
Mar. 1	8.37	May 2	7.23	June 2	8.30	31	8.30
Apr. 10	8.11	June 1	7.31	21	8.50	Sept.	8.28
May 1	7.50	29	7.69	July 3	8.64	Oct.	8.60
June 24	9.30	Aug. 8	7.30	28	8.86	Dec. 21	8.80

Cass County

City of Dowagiac

6S 16W 1-1. City of Dowagiac. Chestnut St. and Pennsylvania Ave. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 10 in, depth 159 ft, screened to 147. Lsd 750.19 ft above msl. MP top of 1-in pipe extension, 5.20 ft above lsd. Highest water level 5.20 above lsd, Feb. 20, 1960; lowest 5.97 below lsd, July 24, 1953. Records available: 1949-62.

Measurements made by Board of Public Works. Water levels affected by nearby pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1958	+0.45	Mar. 13, 1959	+0.53	June 24, 1960	+1.29	Nov. 10, 1961	+0.28
10	.78	21	-.30	July 1	2.22	17	.87
17	.62	27	+.72	8	3.21	24	1.37
31	.95	Apr. 3	1.78	15	2.30	Dec. 1	1.87
Feb. 7	1.53	10	.53	Nov. 4	1.10	8	+.28
14	3.03	17	.45	11	1.20	14	-.63
21	2.26	24	.70	18	1.40	22	-.46
28	2.78	May 1	1.45	25	1.80	29	+.87
Mar. 7	2.86	8	.45	Dec. 2	+.10	Jan. 5, 1962	-.22
14	2.95	15	+.53	9	-.20	12	-.05
21	2.36	29	-.30	16	+1.10	19	+.62
29	1.78	June 5	.47	23	.40	26	+.45
Apr. 4	1.95	12	.64	30	.60	Feb. 2	-.55
11	.03	19	.30	Jan. 6, 1961	1.54	9	.72
18	2.28	26	2.22	13	.78	16	.13
May 2	.36	July 3	2.05	20	.95	23	.55
9	3.61	10	2.05	28	1.12	Mar. 2	1.13
16	2.45	17	-5.64	Feb. 3	1.54	9	-.05
23	+2.53	24	+.53	10	+.20	23	+.95
30	-.39	31	-.22	17	-.55	Apr. 6	+.03
June 6	+.03	Aug. 7	.55	24	+1.62	13	-.13
13	.53	21	2.78	Mar. 3	1.12	20	+.87
20	.36	28	2.80	10	.37	27	-.88
27	.45	Sept. 15	-1.20	17	+.54	May 4	+.78
July 4	+.37	30	+1.30	24	-1.30	11	+1.12
11	-1.20	Oct. 3	-.60	31	+1.03	18	-.72
18	1.30	16	+.30	Apr. 7	-1.22	25	1.22
25	1.10	Dec. 4	1.60	14	+.95	June 1	.55
Aug. 1	.35	11	1.50	21	2.37	15	.63
7	.47	18	1.30	28	.62	22	.55
16	1.05	25	4.60	May 5	1.03	29	-.63
22	1.55	Jan. 1, 1960	3.90	12	+1.12	July 7	+.17
29	.80	8	1.30	19	-.46	13	-.30
Sept. 5	-1.55	15	1.10	26	+1.03	20	.13
12	+1.95	23	2.10	June 2	-.72	27	-.30
19	+.45	29	3.90	9	+1.03	Aug. 3	+.55
26	-.14	Feb. 5	4.00	16	1.37	10	-.97
Oct. 3	.25	12	1.50	23	+1.03	17	4.05
10	-.05	20	j5.20	30	-.63	24	.72
17	+.50	27	2.00	July 7	2.46	31	1.88
24	.20	Mar. 4	4.20	17	1.05	Sept. 7	1.55
31	1.53	11	1.80	21	1.97	14	2.05
Nov. 7	.53	18	4.80	28	1.46	21	.22
14	+1.28	25	3.24	Aug. 4	-3.88	Oct. 5	2.05
21	-.14	Apr. 1	2.29	11	+.20	12	.30
28	+.53	8	1.28	18	-2.46	19	.63
Dec. 5	.86	15	1.31	25	1.97	26	2.88
Jan. 2, 1959	+.86	22	1.21	Sept. 1	-.55	Nov. 2	2.55
9	-.55	29	1.30	8	+.12	11	2.13
16	.40	May 6	1.20	15	-.38	16	1.55
23	-.60	13	2.31	29	.38	23	1.13
30	+.20	20	2.30	Oct. 6	1.63	30	1.80
Feb. 6	+.37	27	2.27	13	-.46	Dec. 7	2.30
14	-.47	June 3	+1.27	20	+.45	14	1.63
20	+.80	10	-.75	27	.62	21	4.46
27	.95	17	-.72	Nov. 3	.28	28	1.63
Mar. 6	.36						

j Flowing.

Mason Township

8S 14W 17-1. Ted Little. NE $\frac{1}{4}$ NW $\frac{1}{4}$ of sec. Dug unused water-table well in deposits of Pleistocene age, diam 28 in, depth 55 ft, cribbed with brick to open bottom. MP top of wooden well cover, 0.80 ft above lsd. Highest water level 46.20 below lsd, July 16, 1950; lowest 55.03 below lsd, Mar. 10, 1947. Records available: 1945-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1958	52.46	Apr. 12, 1959	52.04	July 10, 1960	49.36	Oct. 8 1961	51.34
12	52.40		51.87		17		51.26
19	52.38		51.80		24		51.36
26	52.31	May 3	51.67		31		51.36
Feb. 2	52.28	10	51.47	Aug. 7	48.86	Nov. 5	51.43
9	52.26	17	51.37	14	48.86	12	51.46
16	52.25	24	51.28	21	48.83	19	51.45
23	52.27	31	51.13	29	48.85	26	51.45
Mar. 2	52.20	June 7	51.09	Sept. 4	48.88	Dec. 3	51.51
9	52.16	14	50.98	11	48.89	10	51.60
16	52.11	21	50.90	18	49.05	17	51.52
23	52.03	28	50.86	25	49.13	24	51.60
30	51.97	July 5	50.84	Oct. 2	49.14	31	51.65
Apr. 6	51.90	12	50.84	9	49.17	Jan. 7, 1962	51.64
13	51.88	19	50.83	16	49.30	14	51.69
20	51.80	26	50.80	23	49.28	21	51.65
27	51.75	Aug. 2	50.83	30	49.39	28	51.70
May 4	51.76	9	50.86	Nov. 6	49.48	Feb. 4	51.76
11	51.74	16	50.86	13	49.58	11	51.67
18	51.71	23	50.95	21	49.63	18	51.72
25	51.74	30	50.99	27	49.68	25	51.75
June 1	51.70	Sept. 6	51.00	Dec. 4	49.75	Mar. 4	51.70
8	51.67	13	51.10	11	49.80	11	51.69
15	51.72	20	51.10	18	49.96	18	51.68
22	51.71	27	51.08	25	49.96	25	51.75
29	51.79	Oct. 4	51.13	Jan. 1, 1961	50.14	Apr. 1	51.36
July 6	51.79	11	51.33	8	50.18	8	51.24
13	51.69	18	51.30	15	50.23	15	51.20
20	51.70	25	51.36	22	50.33	22	50.98
27	51.66	Nov. 1	51.40	29	50.33	27	50.97
Aug. 3	51.65	8	51.47	Feb. 3	50.44	May 6	50.89
10	51.62	18	51.50	11	50.47	13	50.80
17	51.60	22	51.55	19	50.78	20	50.73
24	51.60	29	51.57	26	50.78	27	50.78
31	51.66	Dec. 6	51.60	Mar. 5	50.90	June 3	50.74
Sept. 7	51.70	13	51.56	12	50.95	10	50.67
14	51.70	20	51.66	19	51.06	17	50.70
21	51.73	27	51.63	26	51.04	24	50.69
28	51.83	Jan. 3, 1960	51.77	Apr. 2	51.15	July 1	50.72
Oct. 5	51.92	10	51.75	9	51.14	8	50.65
12	51.95	17	51.74	16	51.17	15	50.66
19	51.92	24	51.60	23	51.29	22	50.69
26	51.98	31	51.53	30	51.23	29	50.72
Nov. 2	51.97	Feb. 7	51.52	May 7	51.13	Aug. 5	50.78
9	51.97	14	51.24	14	51.00	12	50.73
18	52.10	21	51.14	21	50.91	19	50.78
23	52.09	28	50.96	28	50.84	25	50.90
30	51.90	Mar. 5	50.83	June 4	50.83	Sept. 2	50.97
Dec. 7	52.15	13	50.75	11	50.80	9	50.95
14	51.85	19	50.56	18	50.80	16	51.01
21	52.37	27	50.38	25	50.83	23	51.10
28	52.37	Apr. 1	50.38	July 2	50.77	30	51.12
Jan. 4, 1959	52.39	10	50.37	9	50.86	Oct. 7	51.12
11	52.50	17	50.13	16	50.86	14	51.23
18	52.42	24	50.04	23	50.90	21	51.25
25	52.52	May 1	50.03	25	50.94	28	51.29
Feb. 1	52.54	8	49.80	Aug. 6	51.02	Nov. 4	51.31
8	52.66	15	49.75	13	51.05	11	51.44
15	52.68	22	49.68	20	51.06	18	51.44
22	52.70	29	49.63	25	51.07	25	51.56
Mar. 1	52.70	June 5	49.56	Sept. 3	51.15	Dec. 2	51.60
8	52.74	12	49.52	10	51.17	9	51.68
15	52.35	19	49.52	17	51.24	16	51.69
22	52.44	26	49.46	24	51.24	23	51.67
29	52.20	July 3	49.36	Oct. 1	51.32	26	51.77
Apr. 5	52.10						

Charlevoix County

Chandler Township

33N 4W 2-1. State Dept. of Conservation. SW $\frac{1}{4}$ NE $\frac{1}{4}$ of sec. Drilled unused artesian well in deposits of Pleistocene(?) age, diam 6 in, depth 94 ft. MP metal strip in concrete block, 1.50 ft above lsd. Highest water level 69.49 below lsd, July 14, 1960; lowest 75.85 below lsd, Apr. 16, 1956. Records available: 1948-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 22, 1958	73.30	Sept. 30, 1959	71.08	Dec. 14, 1960	72.21	Apr. 18, 1962	73.74
July 31	73.47	Dec. 16	72.52	Apr. 12, 1961	73.49	July 16	70.58
Oct. 7	73.83	Apr. 25, 1960	73.21	July 12	72.20	Sept. 17	71.25
Apr. 16, 1959	73.25	July 14	69.49	Sept. 11	72.70	Dec. 19	72.89
July 9	70.48	Sept. 15	70.34	Dec. 11	73.32		

Chippewa County

Superior Township

46N 4W 24-1. U. S. Forest Service. NE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. Drilled unused artesian well in deposits of Pleistocene age, diam 6 in, depth 54 ft. Lsd about 850 ft above msl. MP top of casing, 0.31 ft above lsd. Highest water level 20.70 below lsd, July 3, 1960; lowest 27.77 below lsd, Apr. 12-13, 1956. Records available: 1952-62. For additional measurements, see Giroux (1962).

Water level at 2 a.m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	24.20	e24.53	24.87	25.26	24.53	24.29	24.65	24.73	25.16	25.43	25.79	25.94
10	e24.28	h24.60	24.93	25.28	24.43	24.32	24.67	24.80	25.21	25.53	25.84	25.98
15	e24.31	e24.66	24.98	25.14	24.36	24.39	24.60	24.87	25.26	25.60	25.89	25.99
20	e24.35	24.72	25.05	24.92	24.32	24.44	24.58	24.93	25.32	25.65	25.92	26.03
25	e24.42	24.77	25.13	24.75	24.28	24.50	24.56	25.00	25.36	25.70	25.95	26.06
Eom	e24.48	24.79	25.21	24.62	24.28	24.58	24.64	25.06	25.42	25.75	25.95	26.10
1959												
5	26.13	26.42	26.76	27.14	25.66	23.61	23.70	24.16	24.66	24.89	24.45	e24.15
10	26.17	26.48	26.81	27.21	25.15	23.55	23.76	24.24	24.73	24.85	24.30	e24.18
15	26.21	26.54	e26.87	27.25	24.65	23.55	23.83	24.34	24.81	24.85	24.21	e24.20
20	26.26	26.60	26.94	27.11	24.26	23.55	23.88	24.41	24.88	24.85	24.12	e24.24
25	26.31	26.66	27.00	26.61	23.96	23.60	23.99	24.49	24.95	24.80	24.05	e24.28
Eom	26.38	26.69	27.08	26.15	23.72	23.70	24.07	24.57	24.96	24.77	e24.10	24.35
1960												
5	24.39	24.82	25.16	25.56	23.99	20.82	20.75	21.32	21.86	22.29	22.81	22.74
10	24.47	24.87	25.22	25.64	23.52	20.83	20.81	21.40	21.95	22.38	22.89	22.76
15	24.54	24.93	25.28	25.70	22.29	20.79	20.92	21.52	22.02	22.47	22.94	22.69
20	24.62	25.00	25.34	25.48	21.38	20.95	21.02	21.56	22.09	22.55	22.95	22.90
25	24.67	25.05	25.41	24.97	21.04	20.97	21.11	21.66	22.17	22.63	22.77	22.90
Eom	24.76	25.10	25.49	24.41	20.87	20.81	21.23	21.77	22.24	22.70	22.74	23.01
1961												
5	23.07	23.48	23.90	24.33	23.65	23.34	23.10	23.02	23.64	24.05	24.45	24.62
10	23.10	23.52	23.97	24.39	23.54	23.34	22.99	23.11	23.72	24.13	24.49	24.63
15	23.19	23.63	24.03	24.42	.....	23.43	22.93	23.22	23.80	24.17	24.51	24.62
20	23.24	23.71	24.13	24.31	.....	23.44	22.91	23.32	23.87	24.26	24.54	24.51
25	23.34	23.74	24.20	23.97	23.39	23.46	22.91	23.40	23.95	24.31	24.57	.....
Eom	23.40	23.81	24.27	23.76	23.36	23.36	22.98	23.53	22.97	24.37	24.60	.....
1962												
5	24.63	24.89	e25.23	25.63	24.39	23.27	23.37	23.96	24.50	25.00	25.41	25.77
10	24.70	24.96	25.29	25.66	24.05	23.22	23.47	24.06	24.57	25.08	25.46	25.84
15	24.71	e25.02	25.35	25.58	23.82	23.20	23.57	24.14	24.68	25.15	25.53	25.91
20	24.75	e25.08	25.41	25.46	23.63	23.21	23.66	24.23	24.77	25.21	25.57	25.98
25	24.78	e25.14	25.48	25.26	23.48	23.25	23.76	24.30	24.84	25.27	25.67	26.03
Eom	24.84	e25.18	25.57	24.82	23.34	23.30	23.90	24.40	24.92	25.34	25.73	26.13

e Estimated.

h Tape measurement.

Clinton County

Village of Elsie

8N 1W 13-1. Village of Elsie. SW $\frac{1}{4}$ NW $\frac{1}{4}$ of sec. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 12 in, depth 298 ft. Lsd 699.68 ft above msl. MP top of recorder base, 4.20 ft above lsd. Highest water level 3.78 above lsd, June 3, 1951; lowest 37.55 below lsd, Oct. 15, 1957. Records available: 1947-62. Water levels affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 21, 1958	-25.78	May 28, 1959	-19.60	May 27, 1960	-0.92	May 26, 1961	-1.43
July 11	20.45	June 25	17.63	June 24	2.63	Feb. 27, 1962	1.15
Aug. 1	15.02	July 24	19.16	July 22	-7.99	Mar. 30	5.64
28	8.30	Aug. 27	7.01	Aug. 26	+ .14	Apr. 27	3.48
Sept. 23	16.77	Sept. 25	13.51	Sept. 26	-12.37	May 28	8.00
Nov. 3	12.54	Oct. 30	10.50	Oct. 28	9.58	July 25	8.40
21	7.72	Nov. 30	5.19	Nov. 28	11.18	Aug. 30	6.31
Dec. 19	8.08	Dec. 28	12.10	Dec. 30	8.07	Sept. 28	3.10
Jan. 30, 1959	13.38	Jan. 28, 1960	3.80	Jan. 27, 1961	3.68	Oct. 29	5.50
Feb. 27	9.10	Feb. 29	1.28	Feb. 27	.01	Nov. 30	7.67
Mar. 30	8.46	Mar. 28	2.39	Mar. 31	2.12	Dec. 27	12.78
May 1	6.52	Apr. 29	6.84	Apr. 28	2.84		

8N 1W 13-3. Village of Elsie. SW $\frac{1}{4}$ NW $\frac{1}{4}$ of sec. Drilled unused artesian well in gravel of Pleistocene age, diam 12 in, depth 45 ft. Lsd 706.17 ft above msl. MP top of recorder base, 2.20 ft above lsd. Highest water level 6.40 below lsd, Apr. 29, 1960; lowest 26.4 below lsd, Oct. 11, 1949. Records available: 1947-60. Water levels affected by nearby pumping. Measurement discontinued.

Apr. 21, 1958	22.36	Dec. 19, 1958	10.43	July 24, 1959	11.23	Feb. 29, 1960	8.02
July 11	20.90	Jan. 30, 1959	13.64	Aug. 27	22.79	Mar. 28	7.82
Aug. 1	16.98	Feb. 27	13.42	Sept. 25	9.77	Apr. 29	6.40
28	11.20	Mar. 30	8.69	Oct. 30	8.69	May 27	7.08
Sept. 23	10.58	May 1	9.47	Nov. 30	8.10	June 24	7.56
Nov. 3	9.58	28	20.68	Dec. 28	7.33	July 22	8.54
21	10.29	June 25	22.69	Jan. 28, 1960	7.35	Aug. 26	7.88

Olive Township

6N 2W 16-1. State Highway Dept. SE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. Drilled unused water-table well in gravel of Pleistocene age, diam 14 in, depth 23 ft, open bottom. Lsd 803.32 ft above msl. MP top of recorder base, 1.30 ft above lsd. Highest water level 14.59 below lsd, Apr. 19, 1952; lowest 18.89 below lsd, Dec. 27, 1962. Records available: 1948-62.

Jan. 31, 1958	16.55	May 22, 1959	16.99	July 26, 1960	16.60	Oct. 31, 1961	17.93
Feb. 28	16.50	28	17.01	Aug. 26	17.03	Nov. 28	17.95
Mar. 31	16.14	June 25	17.34	Sept. 26	17.41	Dec. 27	17.82
Apr. 25	16.31	July 24	17.76	29	17.37	Jan. 26, 1962	17.95
May 29	16.56	31	17.84	Oct. 28	17.71	Feb. 27	18.12
June 27	16.80	Aug. 26	18.09	Nov. 28	17.87	Mar. 22	17.81
July 30	16.89	Sept. 25	18.24	Dec. 30	18.17	30	17.54
Aug. 28	17.19	Oct. 30	18.39	Jan. 27, 1961	18.34	Apr. 27	17.36
Sept. 26	17.48	Nov. 30	17.91	Feb. 27	18.55	May 28	17.15
Oct. 30	17.76	Dec. 28	17.47	Mar. 31	18.26	June 28	17.51
Nov. 26	17.81	Jan. 28, 1960	17.11	Apr. 28	17.72	July 25	17.74
Dec. 31	18.09	Feb. 29	16.87	May 26	17.62	Aug. 30	18.22
Jan. 30, 1959	18.23	Mar. 23	17.01	June 30	17.86	Sept. 28	18.42
Feb. 27	18.24	28	16.92	July 24	18.06	Oct. 25	18.64
Mar. 30	17.46	Apr. 28	15.69	Aug. 25	17.96	Nov. 30	18.77
Apr. 17	16.93	May 27	15.75	Sept. 27	18.00	Dec. 27	18.89
30	16.80	June 24	16.10	Oct. 18	17.91		

Crawford County

South Branch Township

25N 1W 15-1. State Dept. of Conservation. Huron National Forest. SE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. Drilled unused artesian well in deposits of Pleistocene age, diam 6 in, depth 56 ft. MP top of recorder base, 1.54 ft above lsd. Highest water level 29.36 below lsd, July 27, 1960; lowest 35.97 below lsd, Apr. 4-6, 1951. Records available: 1948-62. For additional measurements, see Giroux (1960, 1962).

25N 1W 15-1--Continued.

Water level at 2 a.m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	32.66	32.92	33.18	33.45	33.62	33.47	33.48	33.65	33.83	34.04	34.30	34.58
10	32.64	32.96	33.22	33.50	33.59	33.43	33.51	33.66	33.84	34.07	34.35	34.63
15	32.73	33.01	33.25	33.52	33.57	33.45	33.54	33.70	33.88	34.13	34.41	34.65
20	32.77	33.07	33.31	33.54	33.54	33.45	33.58	33.71	33.93	34.17	34.46	34.66
25	32.77	33.09	33.37	33.60	33.50	33.45	33.58	33.75	33.95	34.21	34.51	34.71
Eom	32.86	33.09	33.41	33.60	33.49	33.48	33.63	33.77	34.08	34.27	34.56	34.74

1959

5	.....	34.87	35.06	35.26	33.97	32.40	31.61	31.73	32.15	32.47	32.72	e32.45
10	.....	34.90	35.09	35.30	33.59	32.23	31.57	31.80	32.18	32.53	32.72	e32.39
15	.....	34.95	35.10	35.26	33.29	32.08	31.57	31.88	32.22	32.58	32.76	e32.32
20	.....	34.98	35.16	35.02	33.02	31.93	31.56	31.95	32.29	32.61	32.65	e32.25
25	.....	35.01	35.20	e34.72	32.80	31.78	31.62	32.01	32.37	32.60	32.51	e32.18
Eom	34.88	35.02	35.23	34.34	32.57	e31.72	31.67	32.05	h32.43	32.72	e32.52	e32.09

1960

5	.....	.....	31.97	32.02	e31.42	30.23	29.48	29.50	29.84	30.14	30.51	30.81
10	.....	.....	31.98	32.04	e31.20	30.12	29.44	29.55	29.90	30.21	30.54	30.80
15	.....	e32.00	32.01	31.98	e31.00	29.93	29.44	29.64	29.94	30.27	30.58	30.91
20	.....	31.99	31.99	31.98	e30.80	29.87	29.39	29.66	29.95	30.32	30.66	30.98
25	.....	31.97	32.00	31.83	e30.58	29.78	29.43	29.77	30.04	30.39	30.69	31.00
Eom	e32.02	31.97	32.03	e31.65	30.38	29.55	29.44	29.80	30.09	30.41	30.71	31.04

1961

5	31.12	.....	31.62	31.92	32.07	31.82	31.74	31.87	32.06	31.79	31.43	.....
10	31.17	.....	31.75	31.92	32.04	31.77	31.74	31.91	32.07	31.71	.....	.....
15	31.22	.....	31.71	31.97	31.94	.....	31.73	31.94	32.06	31.62	31.37	.....
20	31.25	h31.61	31.86	32.04	31.96	.....	31.76	31.98	32.07	31.56	.....	.....
25	31.36	31.60	31.89	32.00	31.88	31.73	31.78	31.99	32.02	31.50	.....	.....
Eom	31.38	31.66	31.89	32.05	31.89	31.74	31.84	32.03	31.91	31.42	.....	.....

1962

5	e31.45	31.39	31.62	31.85	31.24	30.29	29.91	30.24	30.56	30.83	31.10	31.32
10	e31.42	31.53	31.69	31.80	31.11	30.16	29.94	30.31	30.58	30.89	31.15	31.39
15	31.39	31.54	31.72	31.77	30.96	30.07	29.96	30.34	30.67	30.93	31.19	31.45
20	31.45	31.52	31.71	31.69	30.78	29.98	30.05	30.37	30.73	30.97	31.24	31.54
25	31.39	31.63	.....	31.51	30.63	29.95	30.09	30.43	30.74	31.02	31.33	31.59
Eom	31.48	31.61	31.81	31.39	30.44	29.92	30.18	30.49	30.79	31.03	31.34	31.64

e Estimated.

h Tape measurement.

Dickinson County

Breiteng Township

41N 30W 25-3. (W.M.P. No. 3.) Oscar Martinson. Merriman. SE $\frac{1}{4}$ NE $\frac{1}{4}$ of sec. Dug domestic and stock water-table well in glacial till, size 4 x 4 ft, depth 13 ft, lined with concrete to open bottom. MP top of concrete curb, at lsd. Highest water level 1.57 below lsd, May 3, 1960; lowest dry, Nov. 1948-Apr. 1949; Feb. 28, Mar. 29, 1956. Records available: 1945-46, 1948-62. Measurements made by Wisconsin-Michigan Power Co.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	9.13	Mar. 31, 1959	7.21	Aug. 1, 1960	5.48	Nov. 1, 1961	6.43
Feb. 27	9.71	Apr. 30	4.07	Sept. 1	6.20	29	5.75
Apr. 1	7.15	June 1	4.93	29	5.14	Dec. 28	5.58
30	3.59	July 1	6.76	Nov. 1	4.59	Jan. 30, 1962	7.08
May 31	5.39	30	8.17	Dec. 2	4.07	Mar. 2	7.93
June 30	5.13	Sept. 1	3.92	Jan. 30, 1961	(j)	28	3.89
Aug. 1	6.17	Oct. 1	2.99	Mar. 1	(j)	Apr. 30	1.60
Sept. 2	7.56	Nov. 3	2.27	29	8.78	May 31	2.84
Oct. 1	8.16	30	4.17	May 1	4.55	July 2	5.66
30	7.46	Dec. 31	e3.6	June 1	4.69	Aug. 1	6.78
Dec. 1	5.99	Feb. 1, 1960	3.53	29	6.14	31	5.67
30	7.76	May 3	1.57	Aug. 1	6.65	Oct. 1	5.54
Jan. 30, 1959	8.53	31	1.86	31	8.21	31	6.76
Feb. 26	9.24	July 1	3.65	Oct. 3	6.41	Nov. 29	7.61

e Estimated.

j Frozen.

Eaton County

City of Grand Ledge

4N 4W 2-1. Layne-Northern Co., Inc. Perry and Jefferson Sts., Grand Ledge. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 12 in, depth 376 ft, cased to 22. Lsd 846.59 ft above msl. MP top of recorder base, 1.00 ft above lsd. Highest water level 21.34 below lsd, May 5, 14, 1950; lowest 29.72 below lsd, Sept. 14, 1959. Records available: 1948-62. Recording gage installed July 6, 1960. Water levels affected by regional pumping. For additional measurements, see Giroux (1960, 1962).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	25.76	Aug. 25, 1958	25.94	Apr. 20, 1959	26.68	Nov. 30, 1959	27.91
13	25.94	Sept. 2	26.40	27	26.32	Dec. 7	27.87
20	26.04	8	26.10	May 4	26.55	14	28.01
27	25.93	15	26.20	11	26.52	21	27.96
Feb. 3	26.07	22	26.52	18	26.54	28	27.45
10	26.08	29	26.59	25	26.55	Jan. 4, 1960	27.54
17	26.22	Oct. 6	26.68	June 1	26.53	11	27.57
Mar. 3	25.96	13	26.52	8	26.45	18	26.80
10	25.91	20	26.57	15	26.65	25	26.58
17	26.26	27	26.59	22	26.49	Feb. 1	26.42
24	26.25	Nov. 3	26.51	29	26.86	8	25.77
31	26.26	10	26.75	July 6	26.98	15	25.50
Apr. 7	26.21	17	26.76	13	27.50	22	25.65
14	26.50	24	26.91	20	26.68	29	26.38
21	26.31	Dec. 1	26.96	27	27.72	Mar. 7	26.14
28	26.27	8	27.00	Aug. 3	28.86	14	25.90
May 7	26.40	15	27.11	10	28.70	21	25.96
12	26.55	23	26.99	17	29.03	28	25.70
19	26.50	30	27.22	24	29.10	Apr. 4	24.86
26	26.54	Jan. 4, 1959	27.50	31	29.10	11	24.26
June 2	26.54	12	27.36	Sept. 7	29.67	18	24.57
9	26.39	19	27.16	14	29.72	25	23.64
16	26.23	26	27.36	21	29.50	May 2	23.28
23	26.33	Feb. 2	27.52	28	29.54	9	22.91
30	26.36	12	27.54	Oct. 5	29.40	16	22.84
July 7	26.36	16	27.51	12	29.25	23	22.59
13	26.26	23	27.33	19	28.90	30	22.45
21	26.25	Mar. 2	27.34	26	28.93	June 6	22.44
28	26.18	9	26.79	Nov. 2	28.73	13	22.58
Aug. 4	26.17	16	26.62	9	28.61	20	22.43
11	26.13	Apr. 6	26.84	16	28.10	27	22.77
18	26.17	13	26.72	23	27.86		

Water level at 2 a. m., from recorder graph, 1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	23.82	24.40	24.92	25.43	26.35	26.95
10	23.63	24.26	25.28	25.75	26.68	26.90
15	24.11	24.44	25.20	25.78	26.72	26.78
20	24.24	24.09	25.21	25.91	26.87	27.09
25	24.26	24.64	25.24	25.90	26.85	27.09
Eom	24.37	24.72	25.35	25.77	26.91	27.13

1961

5	27.25	26.92	27.32	27.55	27.49	27.49	27.23	27.40	27.90	.....	27.52	27.53
10	27.16	26.91	27.25	27.57	27.34	27.50	27.24	28.01	27.78	27.55	27.46	27.57
15	27.00	27.34	27.38	27.54	27.21	27.50	27.26	28.18	27.88	27.42	27.45	27.78
20	26.85	27.32	27.56	27.57	27.31	27.31	27.37	28.11	27.90	27.25	27.47	27.72
25	27.09	27.25	27.51	27.43	27.15	27.25	27.35	28.07	27.74	27.33	27.52	27.70
Eom	26.94	27.36	27.45	27.32	27.42	27.23	27.52	27.85	27.50	27.43	27.72	27.74

Lowest water level for the day, from recorder graph, 1962

5	e27.95	27.84	27.82	e27.50	27.20	27.25	27.08	27.19	e27.30	26.93	27.19	27.46
10	e27.90	27.73	27.83	e27.55	27.22	27.32	27.18	27.10	27.21	26.94	27.15	27.44
15	28.06	27.75	27.50	27.69	27.10	27.10	27.40	27.08	27.14	26.89	27.09	27.39
20	27.97	27.61	e28.10	27.66	27.08	27.03	27.28	27.08	27.21	26.85	27.12	27.49
25	27.89	27.64	e26.85	27.44	27.27	27.06	27.17	27.11	27.16	27.15	27.35	27.48
Eom	27.85	27.80	e26.20	27.39	27.32	27.20	27.22	e27.15	e27.00	27.14	27.48	27.63

e Estimated.

Genesee County

City of Flint

7N 7E 17-1. Consumers Power Co. Franklin and Sunnyside Ave., Flint. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 12 in, depth 222 ft. Lsd 757.58 ft above msl. MP top of recorder base, 1.05 ft above lsd (since Apr. 29, 1959). Highest water level 24.23 below lsd, Feb. 12, 1950; lowest 37.99 below lsd, Aug. 24, 1955. Records available: 1946-62. Water levels affected by regional pumping. For additional measurements, see Giroux (1960, 1962).

Water level at 2 a. m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.65	27.51	27.44	27.30	28.48	29.08	30.23	h31.27	30.92	29.6*	28.58	27.55
10	27.20	27.51	27.43	27.41	28.04	e29.19	30.18	e31.75	30.51	29.4?	28.43	27.72
15	27.27	e27.45	27.35	27.43	28.28	29.30	30.30	32.08	30.15	29.22	28.41	h27.70
20	27.36	e27.35	27.38	28.27	28.66	29.18	30.81	31.68	e30.00	29.07	28.24	27.94
25	27.23	h27.54	27.38	e28.50	28.74	29.17	30.44	31.54	29.78	28.8?	28.16	27.92
Eom	27.42	27.23	27.28	h29.03	28.96	29.26	e30.9	31.17	29.78	28.76	27.97	27.64

1959

5	27.28	26.93	27.62	26.70	26.60	31.7	33.2	35.1	35.3	30.1	27.11	e26.58
10	27.06	27.20	27.36	26.85	28.4	32.6	33.8	35.0	35.1	29.3	27.04	26.58
15	26.76	27.43	27.15	26.61	27.7	32.3	34.0	35.6	33.4	29.4	h26.80	26.31
20	26.72	27.61	27.12	26.61	29.1	32.6	34.1	35.8	32.2	28.1	e26.50	26.44
25	e26.48	27.61	h27.19	26.65	h28.9	32.6	33.9	e35.2	32.4	27.6	26.21	26.3?
Eom	26.90	27.54	26.82	26.37	31.0	33.3	35.0	h35.3	31.4	27.54	26.55	26.08

1960

5	25.97	25.69	25.44	24.54	25.84	28.10	29.71	31.67	31.95	28.7?	26.49	26.43
10	26.00	25.41	25.41	24.76	25.45	28.25	30.55	31.75	31.65	27.5?	26.41	26.28
15	25.78	25.52	25.48	24.66	26.43	26.90	31.12	30.75	30.60	29.13	26.24	26.04
20	25.87	25.56	25.38	24.60	27.08	27.87	31.60	32.10	30.27	27.04	26.37	26.22
25	25.75	25.39	25.44	26.35	26.35	28.70	31.93	32.10	30.25	26.7?	26.33	.....
Eom	25.81	h25.46	24.65	24.78	26.75	29.38	32.57	32.03	29.10	26.3?	26.33	25.93

1961

5	25.99	26.32	26.06	26.29	25.86	27.98	30.00	31.23	30.60	26.7?	25.90	h25.32
10	26.07	26.26	26.26	26.19	25.73	28.78	29.93	31.10	30.90	27.7?	25.59	25.41
15	26.01	26.51	26.07	26.10	27.63	29.07	30.45	30.55	30.60	26.7?	25.74	25.62
20	25.85	26.50	26.46	26.10	26.98	29.01	30.99	30.23	30.05	26.3?	25.54	25.39
25	26.14	26.33	26.46	25.62	27.16	27.95	30.95	30.10	30.12	26.11	.....	25.44
Eom	26.11	26.47	26.33	25.63	27.53	30.16	31.20	30.55	27.52	25.8?	25.42	25.50

Lowest water level for the day, from recorder graph, 1962

5	25.57	25.51	25.42	24.94	26.81	28.41	30.00	29.92	30.26	28.77	26.85	25.81
10	25.69	25.72	25.46	24.64	25.21	29.00	30.41	30.33	29.92	27.75	26.55	25.72
15	25.56	25.69	25.18	24.52	28.01	29.02	30.67	29.58	30.15	29.37	26.32	25.69
20	25.73	25.68	25.08	24.56	29.00	29.26	30.97	29.71	28.43	29.42	26.10	26.90
25	25.68	25.68	25.19	24.67	28.50	29.39	29.88	30.42	28.57	27.72	26.20	25.91
Eom	25.70	25.62	25.06	26.27	29.04	30.21	29.91	30.70	28.23	26.92	26.00	25.94

e Estimated.

h Tape measurement.

7N 7E 20-2. City of Flint. Atherton Rd. and Day St., Flint. Drilled unused artesian well in deposits of Pleistocene age, diam 2 in, depth 169 ft. Lsd 751.43 ft above msl. MP top of casing, 1.30 ft above lsd. Highest water level 1.09 below lsd, Apr. 26, 1950; lowest 9.10 below lsd, Sept. 18, 1962. Records available: 1947-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 15, 1958	5.43	Apr. 29, 1959	4.50	Oct. 10, 1960	6.70	Apr. 2, 1962	4.77
July 8	7.18	June 24	7.20	Dec. 23	6.50	May 1	5.30
Aug. 21	7.60	Sept. 2	7.75	Mar. 30, 1961	6.22	June 25	7.13
Sept. 23	6.38	Dec. 28	4.72	June 14	6.82	Sept. 18	9.10
Dec. 15	5.25	Apr. 19, 1960	3.66	Sept. 29	6.05	Dec. 12	6.09
Mar. 30, 1959	4.72	July 1	6.16	Dec. 18	4.74		

Grand Blanc Township

6N 7E 9-1. Grand Blanc Tank Plant. Fisher Body Div., General Motors Corp. SW $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 6 in, depth 375 ft (On July 23-30 well was plugged back to 235 ft), cased to about 150. Lsd 841.71 ft above msl. MP top of recorder base, 3.00 ft above lsd. Highest water level 37.79 below lsd, Nov. 24, 1952; lowest 64.1 below lsd, Aug. 1, 1962. Records available: 1952-62. Measurements made by Plant Water Dept. personnel. Water levels affected by nearby pumping. For additional measurements, see Giroux (1962).

6N 7E 9-1--Continued.

Water level at 2 a.m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	44.0	45.6	44.9	45.6	45.4	48.9	48.0	49.6	49.8	47.1	46.9	46.7
10	44.4	43.9	44.6	45.0	45.6	49.1	48.5	49.9	48.7	46.0	45.6	47.0
15	44.1	44.8	45.0	44.8	47.7	48.5	48.9	50.0	48.9	45.6	47.7	46.5
20	43.9	45.7	45.1	45.3	48.6	48.6	48.5	50.1	48.2	46.2	47.3	47.3
25	44.5	44.4	44.5	44.5	47.7	48.1	50.0	49.7	48.8	47.0	46.8	48.8
Eom	44.7	45.0	44.6	44.9	48.2	48.6	49.4	50.1	48.6	47.3	47.0	48.5

1959

5	47.6	48.0	49.0	48.9	47.4	50.0	52.4	52.3	52.1	50.6	48.7	48.2
10	48.7	47.8	49.5	49.0	47.5	51.1	56.5	50.5	52.0	50.2	47.8	48.4
15	48.4	48.3	48.5	48.5	47.8	49.8	57.5	52.8	51.6	50.3	48.1	49.3
20	48.4	49.2	49.6	47.9	47.7	51.8	54.6	51.9	51.8	49.7	49.6	49.6
25	47.8	48.8	49.3	48.4	47.0	52.0	53.6	52.3	52.4	49.2	49.0	48.7
Eom	48.6	48.9	48.1	47.1	49.5	53.5	52.7	53.1	52.5	49.7	47.3	48.2

1960

5	47.7	48.4	49.0	48.4	48.7	47.4	....	55.0	52.0	52.1	51.3	48.4
10	48.1	47.4	48.2	48.3	47.7	48.3	....	58.0	54.6	51.4	51.3	50.9
15	49.4	46.7	47.4	49.4	47.0	48.6	....	53.5	54.2	52.7	50.3	50.6
20	49.1	48.4	47.8	48.8	47.7	47.9	54.5	53.1	52.9	51.9	49.9	49.9
25	47.8	48.3	49.0	47.3	47.5	48.8	55.7	52.1	52.9	51.4	49.1	48.1
Eom	48.2	46.9	50.3	48.1	44.8	49.6	55.7	52.8	....	49.2	50.5	50.0

1961

5	49.5	49.8	49.4	50.2	50.9	48.7	52.8	54.1	51.2	51.5	50.4	50.5
10	49.6	50.7	50.9	49.0	50.0	51.6	54.1	53.9	52.3	51.6	51.3	50.0
15	48.6	51.0	50.0	50.5	48.8	....	55.7	53.7	49.8	50.8	51.4	50.9
20	50.4	49.3	49.0	51.3	50.7	52.5	55.2	53.4	50.1	52.1	49.0	50.4
25	51.1	50.9	50.8	51.1	50.9	51.5	54.4	52.9	49.6	51.1	49.5	48.4
Eom	50.9	49.8	50.7	50.5	47.9	55.0	53.0	53.0	52.9	51.3	50.7	48.9

Lowest water level for the day, from recorder graph, 1962

5	50.5	49.7	49.8	51.0	52.2	55.6	55.9	54.4	54.2	54.5	54.5	54.8
10	50.2	51.5	52.5	50.6	51.4	55.3	59.3	55.0	56.4	54.7	55.9	53.9
15	50.1	50.2	50.4	50.2	51.8	55.3	58.6	53.4	55.4	54.0	55.6	55.8
20	51.3	50.0	50.0	51.1	54.4	55.4	61.6	53.2	56.3	55.8	55.8	55.4
25	50.7	49.6	49.4	51.3	53.8	54.3	....	56.8	55.3	55.1	53.8	53.3
Eom	50.9	50.3	52.1	50.9	54.9	58.4	63.6	57.9	53.2	54.7	55.6	53.1

e Estimated.

Gladwin County

City of Beaverton

17N 1W 7-1. City of Beaverton. 3d and Main Sts., Beaverton. Drilled municipal (previously reported unused) artesian well in deposits of Pleistocene age, diam 12 in, depth 93 ft, screened 65-93. Lsd 721.50 ft above msl. MP top of 2-in coupling, 1.00 ft above lsd. Highest water level 27.94 below lsd, Apr. 6, 1959; lowest 49.35 below lsd, June 26, 1950. Records available: 1950-62. Measurements made by city of Beaverton.

Tape measurements, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	42.20	41.19	32.20	45.15	32.79	43.72	33.40	33.60	....	33.19	33.06
10	42.66	33.21	32.24	31.46	32.71	40.11	33.14	....	46.86	33.08	32.89	32.94
15	33.13	....	32.72	39.09	41.00	....	33.31	33.48	33.74	33.10	32.71	34.31
20	43.15	40.68	32.00	....	40.79	33.22	....	33.72	34.48	33.18	44.62	47.19
25	42.94	32.80	40.17	44.27	....	43.14	33.50	46.31	43.28	33.74	33.04	....
Eom	42.40	41.06	32.00	40.47	40.61	43.11	36.14	33.08	32.98	47.30	....	....

1959

5	46.74	33.31	33.75	....	44.67	32.63	....	32.75	....	36.84	31.45	31.62
10	47.16	39.92	33.28	43.29	....	32.84	33.07	32.88	33.98	43.18	30.56	30.76
15	33.77	....	....	30.51	45.91	32.61	44.95	32.84	33.32	32.14	....	41.74
20	36.74	33.50	32.85	43.69	32.06	40.82	32.99	32.91	....	31.79	31.97	....
25	46.55	47.10	39.25	45.54	32.09	32.75	46.25	44.58	32.92	....	40.05	....
Eom	33.26	....	46.36	43.70	44.18	32.78	45.99	46.26	46.83	43.54	31.52	31.08

1960

5	33.95	43.81	31.98	28.22	30.84	....	33.18	31.68	....	44.72	44.70	44.33
10	31.77	30.92	32.29	....	44.16	30.47	....	44.17	44.34	44.07	32.65	32.79
15	31.50	43.31	32.73	43.09	....	43.54	42.27	36.24	32.27	43.19	35.72	43.67
20	31.79	33.75	....	43.37	32.07	30.76	31.98	43.79	45.72	44.88	....	32.55
25	33.38	31.18	32.02	29.72	35.55	43.62	39.27	32.31	....	32.52	32.51	....
Eom	....	32.58	29.86	45.05	30.69	39.54	....	44.11	44.74	32.39	32.45	32.66

17N 1W 7-1--Continued.

1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	32.87	.....	.....	31.91	40.28	42.31	.....	.....	.....	.....	.....	.....
10	32.73	45.01	43.99	33.07	41.46	32.38	.....	.....	.....	.....	.....	.....
15	.....	44.42	43.96	32.72	42.64	41.77	.....	.....	.....	.....	.....	.....
20	44.62	43.11	31.71	41.13	41.69	42.82	.....	.....	.....	.....	.....	.....
25	43.19	42.59	46.87	30.33	31.17	.....	.....	.....	.....	.....	.....	.....
Eom	33.50	44.11	43.86	.....	42.87	32.82	.....	.....	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 8, 1961	32.86	Oct. 17, 1961	32.41	Jan. 31, 1962	32.63	June 13, 1962	31.16
14	32.02	23	32.58	Feb. 7	32.76	25	31.52
20	32.12	Nov. 3	32.49	15	32.72	July 25	33.62
28	32.19	20	32.55	20	32.68	Aug. 17	32.48
Aug. 4	32.01	27	31.07	Mar. 2	32.74	25	31.47
10	32.69	Dec. 4	32.27	13	32.57	Sept. 10	32.63
19	32.28	11	32.34	21	31.67	15	32.57
24	32.69	20	32.64	26	30.20	24	32.60
30	32.92	27	33.12	Apr. 13	31.82	Oct. 23	32.37
Sept. 11	32.14	Jan. 2, 1962	33.35	23	31.51	31	32.24
21	32.98	9	32.69	May 7	30.46	Nov. 8	32.70
28	32.49	16	32.68	29	32.31	30	32.55
Oct. 9	32.58						

Grand Traverse County

Blair Township

26N 11W 27-1. State Dept. of Conservation. NW $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. Jetted observation water-table well in deposits of Pleistocene age, diam 2 in, depth 15 ft, open bottom. Lsd 914.25 ft above msl. MP top of pipe, 0.40 ft above lsd. Highest water level 1.12 below lsd, Apr. 17, 1962; lowest 4.02 below lsd, Aug. 18, 1936. Records available: 1935-37, 1941-44, 1948-62.

Apr. 23, 1958	2.65	July 8, 1959	2.37	Sept. 28, 1960	2.83	Dec. 11, 1961	1.70
July 28	3.19	Sept. 30	3.24	Dec. 19	2.33	Apr. 17, 1962	1.12
Oct. 23	3.29	Dec. 15	2.34	Apr. 18, 1961	2.12	July 12	2.04
Dec. 17	2.92	Apr. 28, 1960	1.27	July 14	2.59	Sept. 20	2.68
Apr. 14, 1959	1.20	July 28	2.18	Sept. 12	2.91	Dec. 20	2.52

Gratiot County

City of Alma

12N 3W 35-5. Reed Excavating Co. Bridge Ave. and Washington St., Alma. Dug unused water-table well in deposits of Pleistocene age, diam 36 in, depth 20 ft, open bottom. Lsd 738.78 ft above msl. MP top of wooden pumpbase, 0.20 ft above lsd. Highest water level 13.74 below lsd, Apr. 7, 1950; lowest 17.91 below lsd, Nov. 12, 1953. Records available: 1950-62.

Apr. 21, 1958	16.14	July 24, 1959	17.18	Sept. 26, 1960	17.20	Nov. 28, 1961	16.71
July 11	16.97	Aug. 26	17.27	Oct. 31	17.37	Dec. 27	16.97
Aug. 1	17.18	Sept. 25	17.38	Nov. 28	16.98	Jan. 26, 1962	17.30
27	17.40	Oct. 30	16.80	Dec. 30	17.47	Feb. 27	17.35
Sept. 29	17.23	Nov. 30	16.27	Jan. 27, 1961	17.63	Mar. 22	15.84
Nov. 3	17.22	Dec. 28	16.11	Feb. 27	17.22	30	15.05
Dec. 1	16.98	Jan. 28, 1960	15.98	Mar. 31	16.18	Apr. 27	15.70
31	17.35	Feb. 26	16.23	Apr. 28	15.87	May 28	15.72
Jan. 30, 1959	17.48	Mar. 23	16.39	May 26	16.40	June 26	16.22
Feb. 27	17.42	28	16.12	June 30	16.80	July 25	16.81
Mar. 30	14.98	Apr. 29	14.47	July 24	17.15	Aug. 30	17.34
Apr. 17	14.70	May 27	15.19	Aug. 25	17.29	Sept. 28	17.52
May 1	14.67	June 24	15.79	Sept. 27	17.00	Oct. 29	17.36
22	15.56	July 25	16.55	Oct. 18	17.08	Nov. 30	17.55
28	15.62	Aug. 26	16.82	31	16.98	Dec. 27	17.66
June 25	16.62						

11N 3W 3-6. E. H. Waber. 219 Prospect Ave., Alma. Drilled unused artesian well in deposits of Pleistocene age, diam 2 in, depth 49 ft. Lsd 733.30 ft (previously reported 733.20 ft) above msl. MP top of 2-in coupling, 1.10 ft above lsd. Highest water level 4.97 below lsd, Feb. 27, 1959; lowest 32.98 below lsd, Dec. 16, 1955. Records available: 1946-62. Water levels affected by regional pumping.

11N 3W 3-6-- Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 21, 1958	20.70	Aug. 27, 1959	29.82	Oct. 31, 1960	29.26	Nov. 28, 1961	26.18
July 11	22.62	Sept. 25	30.36	Nov. 28	26.82	Dec. 27	25.84
Aug. 1	24.78	Oct. 30	30.23	Dec. 30	25.97	Jan. 26, 1962	27.17
27	32.09	Nov. 30	26.28	Jan. 27, 1961	24.99	Feb. 27	27.01
Sept. 29	28.30	Dec. 28	25.88	Feb. 27	24.02	Mar. 30	17.95
Nov. 3	26.00	Jan. 28, 1960	22.30	Mar. 31	24.70	Apr. 27	23.93
Dec. 1	25.95	Feb. 26	22.70	Apr. 28	25.38	May 28	27.27
31	25.33	Mar. 23	24.76	May 26	27.81	June 26	29.29
Jan. 30, 1959	26.45	Apr. 29	25.68	June 30	28.13	July 25	30.85
Feb. 27	4.99	May 27	26.18	July 24	29.04	Aug. 30	30.49
Mar. 30	8.26	June 24	28.72	Aug. 25	29.03	Sept. 28	31.66
May 1	16.57	July 25	9.34	Sept. 27	28.85	Oct. 29	31.72
28	19.80	Aug. 26	27.78	Oct. 18	28.67	Nov. 30	30.37
June 25	24.17	Sept. 26	30.22	31	28.39	Dec. 27	28.85
July 24	27.32						

Village of Ithaca

11N 3W 36-1. Village of Ithaca. Center and Maple Sts., Ithaca. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, Parma Sandstone of Pennsylvanian age, and Bayport Limestone of Mississippian age, diam 10 to 8 in, reported depth 785 ft, cased to 379. Lsd 804.50 ft above msl. MP top of concrete pumpbase, 1.03 ft above lsd. Highest water level 78.25 below lsd, Jan. 22, 1952; lowest 83.96 below lsd, Sept. 4, 1949. Records available: 1947-62.

Apr. 17, 1958	79.17	May 28, 1959	80.06	June 24, 1960	79.28	July 24, 1961	80.33
July 11	79.96	June 25	80.13	July 25	79.40	Aug. 25	80.55
Aug. 1	80.32	July 24	80.94	Aug. 26	80.11	Feb. 27, 1962	80.39
27	80.67	Aug. 26	81.54	Sept. 26	80.40	Mar. 30	80.14
Sept. 26	80.65	Sept. 25	81.55	Oct. 28	80.36	Apr. 27	79.87
Nov. 3	80.63	Oct. 30	80.50	Nov. 28	80.20	May 28	79.87
21	80.71	Nov. 30	80.76	Dec. 30	80.29	July 25	80.20
Dec. 19	80.37	Dec. 28	80.16	Jan. 27, 1961	80.43	Aug. 30	80.68
Jan. 30, 1959	80.47	Jan. 28, 1960	80.08	Feb. 27	80.73	Sept. 28	80.81
Feb. 27	80.34	Feb. 26	79.41	Mar. 31	80.34	Oct. 29	81.05
Mar. 30	80.36	Mar. 23	79.49	Apr. 28	80.10	Nov. 30	81.14
Apr. 17	80.06	Apr. 29	79.36	May 26	80.10	Dec. 27	81.05
May 1	79.88	May 27	79.19	June 30	80.12		

Ingham County

City of Lansing

4N 2W 4-1. Chesapeake & Ohio RR. Filley and Taylor Sts., Lansing. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 12 in, depth 38 ft, screened to 33. Lsd 842.11 ft above msl. MP top of recorder base, 3.15 ft above lsd. Highest water level 25.98 below lsd, Mar. 3, 1953; lowest 35.39 below lsd, Dec. 28, 1962. Records available: 1953-62. Water levels affected by pumping. Recorder removed Aug. 27, 1958.

Water level at 2 a. m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	32.57	32.62	32.79	32.69	32.77	32.75	32.90	33.00	.....	.....	.....	.....
10	32.39	32.53	32.63	e32.60	32.82	32.78	e33.00	32.95	.....	.....	.....	.....
15	32.57	32.58	e32.66	e32.75	32.73	32.82	.....	33.13	.....	.....	.....	.....
20	32.39	32.72	32.70	e32.90	32.80	32.92	.....	33.00	.....	.....	.....	.....
25	32.32	32.78	32.72	e33.0	32.67	32.95	.....	33.13	.....	.....	.....	.....
Eom	32.55	32.50	32.69	32.91	32.80	32.95	33.02	.....	.....	.....	.....	.....

e Estimated.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 26, 1958	33.27	May 28, 1959	33.49	Jan. 29, 1960	33.04	Sept. 29, 1960	32.18
Oct. 30	33.21	June 29	33.63	Feb. 29	32.89	Oct. 31	32.11
Nov. 28	33.39	July 31	33.67	Mar. 31	33.15	Dec. 1	32.53
Dec. 30	33.57	Aug. 27	34.15	Apr. 28	33.17	29	32.08
Jan. 29, 1959	33.49	Sept. 29	34.37	May 27	32.51	Jan. 31, 1961	32.29
Feb. 27	33.66	Oct. 28	34.38	June 27	32.21	Feb. 27	32.69
Mar. 31	33.54	Nov. 30	33.23	July 27	32.28	Mar. 29	32.65
Apr. 30	33.70	Dec. 29	33.11	Aug. 31	32.17	Apr. 27	32.65

4N 2W 4-1-- Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 29, 1961	33.10	Oct. 30, 1961	33.74	Mar. 30, 1962	34.55	Aug. 30, 1962	34.89
June 27	33.11	Nov. 27	34.05	Apr. 27	34.48	Sept. 28	35.00
July 27	33.23	Dec. 28	34.03	May 29	34.57	Oct. 29	35.31
Aug. 31	33.40	Jan. 30, 1962	34.36	June 25	34.64	Dec. 3	35.25
Sept. 26	33.70	Feb. 27	34.41	July 30	34.75	28	35.39

4N 2W 9-1. City of Lansing. North Grand River Ave. and Josephine St., Lansing. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 14 in, depth 395 ft, cased to 49. Lsd 828.81 ft above msl. MP top of plywood recorder base, 10.20 ft below lsd (since Aug. 9, 1960). Highest water level 15.63 below lsd, Mar. 26, 1931; lowest 154.77 below lsd, Apr. 10, 1956. Records available: 1919, 1929-62. Water levels affected by regional pumping. Recording gage installed Aug. 9, 1960. For additional measurements, see Giroux (1961, 1962).

Apr. 25, 1958	135.14	Mar. 31, 1959	140.7	July 23, 1959	g147.8	Dec. 21, 1959	g132.6
July 9	132.60	Apr. 17	g142.3	Aug. 21	g145.8	29	138.4
Sept. 24	134.90	May 15	g143.3	Sept. 25	g144.8	Apr. 19, 1960	138.4
Dec. 16	138.70	June 19	g147.8	Oct. 16	g140.3	June 27	144.9
Jan. 1959	g141.4	29	147.2	Nov. 27	g133.3	July 27	148.5
Mar. 20	g142.3						

g Measurement made by Lansing Board of Water & Light.

Lowest water level for the day, from recorder graph, 1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	143.3	146.2	149.2	145.5
10	145.2	146.8	145.7	149.7	145.3
15	144.0	147.3	147.0	148.5	145.3
20	142.9	146.4	148.7	147.0	145.4
25	142.4	145.6	148.9	146.1	144.5
Eom	143.1	146.7	148.1	146.3	144.1

1961

5	144.3	144.4	139.9	137.6	141.2	144.2	143.5	143.6	139.1	137.8	137.2	137.2
10	144.4	144.7	140.0	137.4	141.6	143.9	144.1	142.8	139.3	137.6	137.0	137.8
15	143.9	143.5	138.2	137.1	143.9	147.1	145.8	142.9	138.5	137.8	136.6	138.3
20	144.6	143.0	139.6	138.4	145.8	144.4	145.8	142.2	137.8	137.6	137.5	137.4
25	145.4	141.6	139.1	137.7	146.2	143.2	145.3	140.8	137.7	137.2	136.7	136.4
Eom	144.8	141.9	139.4	137.7	144.5	144.5	144.5	139.9	138.9	136.8	137.7	.....

1962

5	e137.0	133.1	134.0	136.7	134.8	144.3	145.8	148.5	151.0	150.5	149.6	148.2
10	e137.5	134.1	135.5	136.6	134.6	144.9	146.6	149.2	150.8	150.3	149.1	148.5
15	136.7	133.9	136.4	135.5	135.6	146.0	147.1	149.0	151.2	149.6	148.2	148.8
20	136.3	133.7	136.7	136.2	139.0	145.6	148.3	149.5	151.6	150.2	148.0	149.6
25	135.2	133.6	135.9	135.2	142.1	144.9	148.2	150.2	150.6	150.1	147.9	148.7
Eom	134.3	133.9	136.3	135.6	143.3	146.0	148.4	150.8	149.9	149.8	148.4	148.5

e Estimated.

Lansing Township

4N 2W 24-1. Michigan State University. NE $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 10 in, depth 453 ft. Lsd 853.45 ft above msl. MP top of recorder base, 1.85 ft above lsd. Highest water level 25.47 below lsd, Mar. 25, 1946; lowest 85.2 below lsd, June 2, 1962. Records available: 1945-62. Water levels affected by regional pumping. For additional measurements, see Giroux (1960).

Water level at 2 a.m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e55.6	65.0	68.0	63.6	62.1	66.6	69.4	66.4	64.2	63.9	62.3	57.5
10	e60.6	65.5	68.3	65.0	61.2	67.7	64.5	60.8	63.5	60.7	59.5	58.0
15	e63.4	66.9	68.4	65.0	70.0	67.0	63.0	70.7	55.8	56.7	62.1	55.4
20	62.7	67.2	68.1	68.0	73.0	66.2	59.8	66.8	65.1	63.6	60.4	55.4
25	66.1	67.0	59.5	64.4	74.0	66.8	73.7	62.2	65.3	e62.5	61.3	53.0
Eom	67.0	68.8	55.7	61.7	76.9	64.9	68.7	65.8	64.0	58.3	54.9	51.6

1959

5	50.2	61.6	62.6	60.7	68.3	72.5	70.1	e65.0	66.8	66.4	61.7	....
10	65.4	59.9	61.9	60.1	69.7	76.8	78.0	e63.0	67.6	68.0	61.6	....
15	67.1	62.2	62.0	63.9	70.3	69.8	76.6	e61.0	62.7	e71.5	62.9	....
20	62.2	62.9	62.7	66.4	69.0	75.2	71.1	e62.0	61.8	e71.9	65.2	....
25	e62.4	61.4	61.7	70.2	68.9	73.7	69.4	e65.0	66.4	69.2	62.8	57.8
Eom	62.6	62.8	h53.9	66.7	64.5	73.9	68.2	e63.0	70.9	64.9	57.9	56.6

e Estimated.

h Tape measurement.

4N 2W 24-1--Continued.

1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Ncv.	Dec.
5	56.0	63.8	59.5	57.8	61.2	61.3	57.3	67.9	61.6	64.7	62.9	68.3
10	60.5	64.5	62.7	59.1	61.0	67.5	64.4	65.4	68.6	64.0	61.2	68.5
15	62.2	60.1	61.5	64.5	63.5	66.0	70.6	59.2	63.4	67.5	60.7	65.0
20	61.2	62.7	62.0	e63.5	69.6	55.7	62.7	67.3	62.0	66.6	63.2	59.3
25	61.0	61.0	60.5	e61.8	63.6	57.9	67.2	63.8	63.7	61.9	60.0	57.9
Eom	62.3	58.0	57.6	60.0	58.0	64.5	63.6	66.6	67.3	60.8	63.1	56.6

1961

5	57.7	68.5	67.7	61.0	64.3	67.7	67.8	68.3	59.4	70.6	71.2	68.8
10	64.9	69.9	68.1	61.4	68.0	68.7	69.3	69.3	61.6	68.9	71.1	69.3
15	66.5	69.6	66.4	64.0	69.1	66.3	78.5	68.5	61.4	68.0	70.3	71.7
20	63.1	67.2	65.7	62.7	71.6	63.8	72.4	72.8	61.3	71.8	70.6	63.3
25	63.3	68.1	57.9	62.2	71.8	e61.0	67.0	64.1	61.1	71.4	62.1	59.1
Eom	63.0	66.1	63.4	63.4	68.9	73.2	64.5	64.9	68.8	71.0	69.4	57.0

Lowest water level for the day, from recorder graph, 1962

5	63.4	71.6	72.7	73.2	76.4	83.4	74.4	76.8	74.7	78.4	76.1	76.5
10	69.7	73.5	73.9	72.4	77.5	81.3	76.9	75.2	73.2	77.6	77.5	75.0
15	71.5	73.4	73.5	73.4	77.9	75.9	77.3	75.6	73.4	77.9	77.6	76.7
20	74.3	71.7	70.6	73.4	82.9	76.5	79.4	74.9	71.5	79.3	74.3	72.0
25	74.0	73.1	62.2	72.1	84.0	74.1	75.7	79.4	73.9	77.0	65.3	66.5
Eom	72.5	73.2	71.7	74.2	83.8	81.0	75.9	79.9	76.7	77.4	75.8	66.3

e Estimated.

4N 2W 31-1. Carlos A. Weber. SW $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 3 in, depth 204 ft. Lsd 880.15 ft above msl. MP top of 3-in coupling, 3.53 ft above lsd. Highest water level 18.92 below lsd, Apr. 26, 1952; lowest 25.69 below lsd, Oct. 29, 1962. Records available: 1944-62. Water levels affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	23.42	Apr. 30, 1959	23.85	July 27, 1960	23.25	Oct. 30, 1961	25.03
Feb. 28	23.27	May 25	24.02	Aug. 31	23.64	Nov. 27	25.15
Mar. 31	22.97	June 29	24.55	Sept. 29	23.87	Dec. 28	24.82
Apr. 25	22.99	July 31	24.52	Oct. 31	23.98	Jan. 30, 1962	25.07
May 29	23.55	Aug. 25	24.71	Dec. 1	24.69	Feb. 27	25.12
June 27	23.80	Sept. 29	24.77	29	24.87	Mar. 30	24.33
July 30	24.22	Oct. 28	24.27	Jan. 31, 1961	25.34	Apr. 27	24.19
Aug. 28	24.62	Nov. 30	23.42	Feb. 27	25.42	May 29	24.54
Sept. 26	24.61	Dec. 29	22.87	Mar. 27	24.84	June 25	24.56
Oct. 30	24.79	Jan. 29, 1960	22.78	Apr. 27	24.71	July 30	24.69
Nov. 26	24.93	Feb. 29	22.61	May 29	24.35	Aug. 30	25.45
Dec. 30	25.35	Mar. 31	22.51	June 27	24.16	Sept. 28	25.31
Jan. 29, 1959	25.34	Apr. 28	22.22	July 27	24.64	Oct. 29	25.69
Feb. 27	25.57	May 27	22.09	Aug. 31	24.82	Dec. 3	25.59
Mar. 31	24.36	June 28	22.44	Sept. 26	24.86	27	25.67

City of Mason

2N 1W 5-1. City of Mason. Jefferson Ave. and Okemos St., Mason. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 6 in, depth 150 ft. MP top of casing, 3.90 ft above lsd. Highest water level 0.08 below lsd, June 29, 1949; lowest 8.96 below lsd, Sept. 10, 1960. Records available: 1948-62. Measurements made by Water Dept. Water levels affected by regional pumping.

Feb. 1, 1958	4.19	May 31, 1958	4.52	Sept. 29, 1958	3.10	Jan. 24, 1959	3.91
8	4.28	June 7	3.25	Oct. 4	3.38	31	3.79
15	4.00	16	4.87	11	3.95	Feb. 7	3.94
22	3.77	21	4.08	18	3.89	14	4.49
Mar. 1	1.69	28	4.36	25	4.78	21	4.78
8	2.73	July 5	3.08	Nov. 1	4.41	28	4.06
15	2.94	12	3.18	8	2.93	Mar. 7	3.34
22	3.02	19	3.57	15	2.84	14	3.09
29	2.89	26	3.79	22	3.84	21	2.54
Apr. 7	3.29	Aug. 2	3.69	29	3.28	28	3.02
14	2.99	9	3.69	Dec. 6	3.08	Apr. 2	3.19
21	3.66	16	3.88	13	3.59	9	4.08
28	3.84	23	4.11	20	3.38	18	4.31
May 5	3.51	30	4.19	27	4.14	24	4.73
12	3.74	Sept. 6	6.89	Jan. 3, 1959	4.38	May 1	3.06
19	3.65	13	7.28	10	3.99	9	4.25
24	3.67	20	5.78	17	3.89	16	3.44

2N 1W 5-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 23, 1959	3.42	Mar. 19, 1960	3.02	Apr. 15, 1961	4.51	Feb. 10, 1962	7.64
30	3.38	26	2.58	22	4.24	17	7.30
June 6	6.29	Apr. 2	2.11	29	4.01	24	6.91
13	5.82	9	2.24	May 6	4.66	Mar. 3	4.72
20	6.50	16	2.58	13	4.76	10	6.84
27	6.49	23	3.65	20	5.68	17	4.63
July 6	4.25	30	3.59	27	7.39	24	5.66
13	4.78	May 7	4.16	June 3	6.80	31	5.49
18	7.45	14	4.48	10	6.08	Apr. 7	5.33
28	4.91	21	3.79	17	4.16	14	4.68
Aug. 1	7.79	31	3.30	24	6.03	21	6.80
8	7.45	June 4	3.89	July 1	6.08	28	6.97
15	7.17	11	4.46	8	6.02	May 5	5.59
22	5.67	18	4.56	15	7.79	12	4.80
31	4.73	25	5.19	22	6.99	19	4.49
Sept. 5	4.63	July 2	5.44	29	6.94	26	3.31
12	7.67	9	3.64	Aug. 5	8.07	June 2	4.64
19	5.32	16	4.84	12	4.76	9	4.79
28	4.37	23	4.92	19	7.82	16	4.89
Oct. 3	4.31	30	5.19	26	2.58	23	4.71
10	4.18	Aug. 6	4.50	Sept. 2	3.14	30	4.57
17	4.25	13	6.01	9	4.44	July 7	4.86
26	3.98	20	7.79	16	6.80	14	6.66
26	3.55	27	7.02	23	7.53	21	6.03
31	2.99	Sept. 3	7.91	30	7.18	28	5.11
Nov. 7	3.26	10	8.96	Oct. 7	7.47	Aug. 4	4.14
14	2.67	17	8.05	14	7.38	11	3.97
21	2.99	24	8.01	21	7.85	18	4.29
28	4.13	Oct. 1	7.79	28	5.08	25	4.41
Dec. 5	4.15	8	7.28	Nov. 6	5.41	Sept. 1	4.43
12	3.68	15	6.86	11	5.99	8	4.38
19	3.12	22	4.99	18	5.01	15	6.16
26	3.29	29	4.09	25	6.58	22	4.26
Jan. 2, 1960	3.15	Nov. 5	3.95	Dec. 2	4.72	29	5.36
9	3.48	12	3.78	9	6.74	Nov. 3	6.48
16	3.69	19	3.69	16	7.00	10	5.94
23	3.58	26	3.22	23	7.20	17	5.82
30	4.02	Mar. 4, 1961	4.73	30	7.24	24	5.04
Feb. 6	2.86	11	4.12	Jan. 6, 1962	6.95	Dec. 1	4.89
13	2.99	18	4.39	13	4.69	8	6.53
20	3.18	25	5.16	20	7.19	15	5.62
27	3.43	Apr. 1	4.98	27	4.58	22	5.48
Mar. 5	3.65	8	5.84	Feb. 3	7.54	29	5.14
12	3.28						

Iosco County

Wilbur Township

23N 7E 7-1. U. S. Forest Service. NE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 6 in, depth 341 ft. MP top of concrete block, 1.25 ft above lsd. Highest water level 25.13 below lsd, Aug. 3, 1952; lowest 28.10 below lsd, Apr. 27, 1959. Records available: 1948-62. Measurement discontinued.

Apr. 21, 1958	27.18	Sept. 30, 1959	26.87	Sept. 28, 1960	25.65	Dec. 1, 1961	26.70
Dec. 22	27.92	Dec. 15	26.37	Dec. 20	25.79	Apr. 9, 1962	26.70
Apr. 27, 1959	28.10	Apr. 27, 1960	26.12	Apr. 17, 1961	25.99	July 18	26.72
July 29	27.27	July 28	25.50	July 6	26.34		

Kalamazoo County

Kalamazoo Township

2S 11W 20-7. Western Michigan University (previously reported College of Education). SW $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. Drilled unused artesian well in deposits of Pleistocene age, diam 8 in, depth 78 ft. Lsd 868.68 ft above msl. MP top of casing, 3.00 ft below lsd. Highest water level 33.44 below lsd, June 19, 1950; lowest 38.15 below lsd, Sept. 17, 1959. Records available: 1946-62.

2S 11W 20-7--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 26, 1958	36.30	June 30, 1960	34.90	Oct. 16, 1961	37.53	June 27, 1962	36.37
July 10	36.81	July 28	34.84	Nov. 13	36.67	July 26	36.21
Oct. 2	37.13	Aug. 26	35.02	Dec. 11	37.27	Aug. 22	36.45
Dec. 18	37.40	Sept. 22	35.15	Mar. 8, 1962	36.60	Sept. 20	36.54
Mar. 25, 1959	36.85	Dec. 15	35.55	Apr. 4	36.00	Oct. 19	36.68
Sept. 17	38.15	Mar. 23, 1961	35.86	May 17	36.13	Nov. 15	36.62
Dec. 30	37.28	June 15	36.10	June 1	36.23	Dec. 14	36.68
Apr. 13, 1960	35.38	Sept. 15	36.61				

City of Kalamazoo

2S 11W 27-52. Allied Paper Co. Formerly Bryant Paper Co. Alcott and Portage Sts., Kalamazoo. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 12 in, depth 113 ft, screened 83-113. Lsd 802.59 ft above msl. MP top of 12-in flange, 2.46 ft above lsd. Highest water level 34.46 below lsd, May 5, 1950; lowest 67.37 below lsd, Sept. 1, 1946. Records available: 1946-62. Water levels affected by regional pumping. Recording gage removed June 15, 1961. For additional measurements, see Giroux (1961, 1962).

Water level at 2 a.m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	44.73	45.14	44.92	44.59	44.40	45.33	45.15	46.02	h46.59	47.06	47.05	47.03
10	44.95	44.90	44.49	44.60	44.70	45.26	45.35	46.20	.....	h47.17	46.81	46.93
15	44.98	45.27	44.65	44.60	44.89	45.37	45.62	h46.34	46.35	47.18	47.32	46.76
20	44.70	45.22	44.70	44.50	44.91	45.65	45.84	46.32	46.91	46.84	47.19	47.09
25	45.17	45.00	44.62	44.84	44.95	45.82	45.94	46.37	46.80	47.11	47.16	46.80
Eom	45.17	44.92	44.24	44.60	e45.30	e45.58	e46.10	46.60	46.88	h47.19	47.09	46.64

1959

5	46.42	46.90	e47.20	46.51	47.25	46.33	46.65	e47.45	47.98	47.90	e46.85	45.85
10	46.64	46.86	e47.00	46.35	46.14	e46.35	47.06	47.26	48.10	47.69	46.54	45.86
15	46.51	46.99	46.66	46.45	h47.17	46.45	47.21	47.73	47.90	47.40	46.44	45.70
20	46.60	46.88	46.67	46.10	46.40	h46.80	47.01	47.76	47.84	47.15	46.27	45.47
25	46.75	46.81	46.65	h46.42	46.18	46.83	47.18	48.45	47.91	47.08	46.08	45.24
Eom	46.93	e46.95	46.30	46.30	46.14	46.76	h47.18	47.98	47.93	46.86	45.56	45.18

1960

5	45.02	h44.47	43.60	43.29	43.45	42.75	43.85	44.62	45.21	44.17	44.73
10	e45.27	e44.20	43.60	43.27	43.35	43.03	42.88	43.90	45.00	45.09	45.18
15	h45.00	43.80	43.58	43.50	43.23	43.55	43.24	43.76	44.97	45.90	44.96
20	44.82	44.07	43.60	43.43	43.30	42.65	43.25	44.20	45.10	45.10	44.90
25	44.41	43.94	43.78	43.45	43.03	43.26	43.13	44.31	45.15	.....	44.70
Eom	44.48	43.38	43.57	43.30	42.55	42.94	43.73	44.48	45.23	44.87	44.77

1961

5	45.24	45.80	45.91	45.60	45.30	45.25	.....	.....	.....	.....	.....
10	45.42	45.90	45.94	45.35	45.22	45.59	.....	.....	.....	.....	.....
15	45.31	45.93	45.85	45.70	45.00	45.63	.....	.....	.....	.....	.....
20	45.60	45.88	45.59	45.63	45.27	.....	.....	.....	.....	.....	.....
25	45.65	45.97	45.75	45.52	45.42	.....	.....	.....	.....	.....	.....
Eom	45.60	46.00	45.74	45.37	45.10	.....	.....	.....	.....	.....	.....

e Estimated.

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 15, 1961	47.88	Feb. 8, 1962	44.27	June 1, 1962	42.87	Sept. 20, 1962	44.54
Nov. 13	46.22	Mar. 8	43.93	27	43.15	Oct. 19	44.61
Dec. 11	45.37	Apr. 4	43.03	July 26	43.29	Nov. 15	44.20
Jan. 9, 1962	44.75	May 17	43.58	Aug. 22	44.03	Dec. 14	43.89

Marquette County

Republic Township

45N 30W 1-1. (W. M. P. No. 4.) Arnold Janofski. SW $\frac{1}{4}$ NW $\frac{1}{4}$ of sec. Dug unused water-table well in glacial till, diam 36 in, depth 30 ft, cased with corrugated metal pipe. MP top of 36-in corrugated steel pipe (previously reported top of 1 $\frac{1}{2}$ -in pipe standard), 2.50 ft above lsd. Highest water level 23.82 below lsd, July 18, 1960; lowest 29.28 below lsd, Mar. 15, 1949. Records available: 1945-62. Measurements made by Wisconsin-Michigan Power Co. Recorder installed Aug. 27, 1959.

45N 30W 1-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1958	27.23	Aug. 1, 1958	27.35	Jan. 30, 1959	27.97	Apr. 30, 1959	27.69
31	27.33	Sept. 2	27.51	Feb. 26	28.13	May 29	27.33
Feb. 27	27.42	Oct. 1	27.55	Mar. 27	27.88	June 1	27.51
Apr. 1	27.89	30	27.71	Mar. 17	27.98	July 1	27.51
30	27.40	Dec. 1	27.74	27	28.05	2	27.39
May 31	27.41	30	27.92	31	28.14	31	27.53
June 30	27.51						

Water level at 2 a. m., from recorder graph, 1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.33	27.14	26.80	26.47
10	27.30	27.10	26.68	26.45
15	27.27	27.01	26.67	26.41
20	27.24	26.95	26.60	26.41
25	27.22	26.89	26.53	26.40
Eom	27.20	26.83	26.47	26.39

1960

5	26.37	26.45	26.60	26.73	25.90	24.35	23.86	23.93	24.19	24.39	24.71	24.87
10	26.38	26.47	26.62	26.75	25.60	24.20	23.84	23.98	24.23	24.46	24.75	24.88
15	26.37	26.49	26.65	26.72	25.30	24.06	23.84	24.05	24.29	24.51	24.75	24.87
20	26.39	26.54	26.67	26.58	25.00	24.02	23.87	24.06	24.30	24.55	24.80	24.98
25	26.38	26.55	26.70	26.34	24.80	23.96	23.87	24.14	24.26	24.60	24.80	25.00
Eom	26.42	26.57	26.72	26.20	24.55	23.91	23.90	24.16	24.38	24.65	24.86	25.05

1961

5	25.09	25.36	25.56	25.69	25.41	24.94	24.90	25.10	25.34	25.55	25.76	25.95
10	25.13	25.38	25.61	25.68	25.33	24.90	24.93	25.13	25.37	25.59	25.79	25.99
15	25.18	25.44	25.62	25.63	25.19	24.91	24.94	25.17	25.40	25.62	25.82	26.02
20	25.21	25.49	25.69	25.57	25.12	24.88	24.99	25.22	25.45	25.66	25.85	26.04
25	25.28	25.50	25.53	25.52	.....	24.88	25.03	25.24	25.48	25.69	25.89	26.08
Eom	25.31	25.53	25.68	25.45	25.01	24.89	25.07	25.29	25.51	25.72	25.93	26.12

1962

5	26.17	26.38	26.58	26.76	26.55	26.33	26.20	26.27	26.42	26.53	26.63	26.75
10	26.20	26.43	26.62	26.74	26.52	26.30	26.19	26.50	26.44	26.55	26.67	26.78
15	26.23	26.45	26.65	26.73	26.48	26.28	26.19	26.32	26.47	26.56	26.69	26.80
20	26.28	26.48	26.68	26.71	26.44	26.26	26.21	26.34	26.48	26.57	26.70	26.83
25	26.31	26.52	26.60	26.66	26.40	26.24	26.21	26.37	26.50	26.59	26.73	26.85
Eom	26.35	26.55	26.73	26.61	26.36	26.22	26.25	26.40	26.52	26.61	26.74	26.89

e Estimated.

Mason County

Logan Township

17N 15W 3-1. State Dept. of Conservation. U. S. Forest Service. Manistee National Forest. SE $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. Drilled unused water-table well in deposits of Pleistocene age, diam 6 in, depth 32 ft. Lsd 737.37 ft above msl. MP top of concrete block, 1.04 ft above lsd. Highest water level 13.90 below lsd, June 30, 1960; lowest 19.45 below lsd, Aug. 21, 1958. Records available: 1948-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 23, 1958	19.06	June 21, 1959	14.88	Sept. 1, 1960	14.35	Dec. 2, 1961	16.25
May 23	18.91	July 25	15.35	Oct. 1	14.68	31	16.23
June 24	18.95	Aug. 27	15.79	Dec. 1	15.38	Feb. 2, 1962	16.24
July 24	19.12	Sept. 28	16.31	31	15.40	Mar. 2	16.26
Aug. 24	19.45	Oct. 28	16.72	Feb. 2, 1961	15.47	31	16.32
Sept. 22	19.38	Nov. 29	16.93	Mar. 1	15.58	May 1	15.39
Oct. 23	19.41	Dec. 30	17.04	31	15.65	31	15.19
Nov. 21	19.23	Jan. 30, 1960	17.00	Apr. 2	15.21	June 30	15.24
Dec. 22	17.90	Feb. 29	16.91	June 1	15.33	July 31	15.30
Jan. 24, 1959	17.36	Mar. 31	16.93	July 1	15.33	Sept. 2	15.57
Feb. 24	18.16	Apr. 30	15.40	Aug. 1	15.43	Oct. 1	15.83
Mar. 23	17.32	May 31	14.39	Sept. 1	15.66	Nov. 1	16.12
Apr. 22	15.22	June 30	13.90	Oct. 3	15.97	Dec. 1	16.43
May 25	14.65	Aug. 1	14.07	Nov. 7	16.15		

Montcalm CountyCity of Greenville

9N 8W 15-1. City of Greenville. Fairplain St. and Pere Marquette RR., Greenville. Drilled unused artesian well in gravel of Pleistocene age, diam 12 in, depth 65 ft, screened 45-65. MP top of $\frac{1}{2}$ -in nipple, 2.60 ft above lsd. Highest water level 11.40 below lsd, Apr. 1, 1950; lowest 17.40 below lsd, Aug. 1, 1958. Records available: 1950-62. Measurements made by City Water Works. Water levels affected by nearby pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1958	14.80	June 1, 1959	14.76	Aug. 2, 1960	14.84	Oct. 1, 1961	14.60
Feb. 3	15.12	July 1	15.70	Sept. 1	14.93	Nov. 1	14.17
Mar. 1	16.00	Aug. 3	15.28	Oct. 3	14.90	Dec. 1	14.63
Apr. 1	16.00	Sept. 1	14.90	Nov. 1	15.00	Feb. 1, 1962	15.39
May 1	16.34	Oct. 2	15.16	Dec. 1	14.90	Mar. 1	14.83
July 3	16.20	Nov. 2	15.14	Jan. 9, 1961	15.15	Apr. 2	12.40
Aug. 1	17.40	Dec. 1	14.34	Feb. 1	15.75	30	14.05
31	14.75	Jan. 2, 1960	13.70	Mar. 1	15.57	June 3	15.10
Sept. 3	14.88	Feb. 1	14.27	Apr. 1	13.80	July 2	14.85
Oct. 1	15.14	Mar. 1	15.26	May 1	13.40	Aug. 1	15.00
Dec. 1	15.19	Apr. 1	13.45	June 2	14.65	Sept. 5	15.45
Feb. 2, 1959	15.20	May 1	13.00	July 3	14.75	Oct. 1	15.60
Mar. 2	14.95	June 2	14.18	Aug. 1	15.46	Nov. 1	16.08
Apr. 1	14.17	July 5	12.80	Sept. 1	15.36	Dec. 3	15.48
May 1	14.05						

Oakland CountyCity of Bloomfield Hills

2N 10E 22-1. Cranbrook School. NE $\frac{1}{4}$ NW $\frac{1}{4}$ of sec. Drilled unused artesian well in sand and gravel, diam 6 in, depth 65 ft, screened 58-65. MP top of casing, 5.20 ft below lsd. Highest water level 11.00 below lsd, Apr. 30, 1956; lowest 17.60 below lsd, Sept. 26, 1955. Records available: 1950-62. Measurements made by Water Dept. Water levels affected by nearby pumping.

Jan. 6, 1958	11.97	Dec. 15, 1958	16.35	Sept. 21, 1959	16.65	May 31, 1960	12.80
14	11.85	29	16.20	28	17.00	June 6	12.38
20	11.87	Jan. 5, 1959	16.29	Oct. 5	17.05	13	12.38
27	11.97	12	16.29	12	16.46	20	12.22
Feb. 3	12.25	19	16.63	19	16.57	27	12.44
11	12.47	Feb. 2	16.63	30	16.25	July 4	12.67
17	13.15	9	16.38	Nov. 2	16.10	11	13.00
24	12.48	16	16.08	9	15.98	18	13.60
Mar. 3	12.20	23	16.11	16	15.50	25	14.20
10	11.83	Mar. 2	15.70	23	15.20	Aug. 8	14.59
17	11.98	9	15.60	30	15.32	15	14.88
24	11.75	16	14.10	Dec. 7	13.70	22	15.30
31	11.78	23	12.00	14	13.58	29	15.35
Apr. 8	11.88	30	11.80	22	12.43	Sept. 6	15.80
15	11.98	Apr. 6	11.30	29	12.04	12	15.95
28	11.87	13	11.40	Jan. 4, 1960	11.90	19	15.80
May 12	13.58	20	11.71	11	12.11	26	16.19
20	14.35	27	12.01	19	11.80	Oct. 3	15.88
June 2	14.79	May 4	11.60	25	11.92	10	16.30
9	14.82	11	11.95	Feb. 2	11.91	17	15.98
23	15.04	18	12.58	8	11.65	24	16.10
30	15.20	25	12.22	15	11.73	31	15.97
July 7	14.90	June 2	12.11	22	11.84	Nov. 7	15.90
14	13.72	23	14.11	29	12.00	14	15.83
Aug. 18	15.87	30	14.38	Mar. 7	11.93	21	15.75
Sept. 2	16.50	July 6	14.89	14	11.86	28	15.65
9	16.70	13	15.60	21	12.30	Dec. 5	15.62
15	16.48	20	16.10	29	11.60	12	15.83
22	16.78	27	16.05	Apr. 4	11.60	19	15.86
29	16.76	Aug. 3	16.18	11	11.68	26	15.89
Oct. 6	16.96	10	16.38	18	11.40	Jan. 2, 1961	15.90
13	16.80	17	16.36	25	11.35	9	15.98
27	16.82	24	16.34	May 2	12.00	16	16.19
Nov. 24	15.90	31	16.12	9	12.08	23	16.08
Dec. 1	15.87	Sept. 8	16.12	16	12.20	30	16.20
9	16.33	14	16.49	23	12.10	Feb. 6	16.56

2N 10E 22-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 13, 1961	16.32	July 31, 1961	16.90	Jan. 15, 1962	16.33	July 2, 1962	14.85
20	16.05	Aug. 7	16.74	22	16.11	9	15.19
27	15.48	14	16.50	29	16.09	16	15.43
Mar. 6	14.93	21	16.65	Feb. 5	16.18	23	15.75
13	14.70	28	16.55	12	16.17	30	15.90
20	14.35	Sept. 5	16.44	19	16.19	Aug. 20	15.89
27	14.27	11	16.55	26	16.22	27	16.03
Apr. 3	14.68	18	16.82	Mar. 5	15.75	Sept. 4	16.18
10	14.71	25	16.94	12	15.22	10	16.30
17	14.50	Oct. 2	16.89	19	13.67	17	16.35
24	13.78	9	16.88	26	12.34	24	16.10
May 1	12.60	16	17.00	Apr. 2	12.00	Oct. 1	16.25
8	12.69	23	17.10	9	11.88	8	16.25
15	13.50	30	16.30	16	11.89	15	16.35
22	14.37	Nov. 6	16.71	23	11.79	22	16.55
29	14.90	13	16.58	May 1	12.65	29	16.40
June 5	14.27	20	16.30	7	12.10	Nov. 5	16.35
12	14.11	27	16.18	14	12.89	12	16.22
19	14.89	Dec. 4	16.10	21	13.40	19	16.21
26	14.95	11	16.08	28	13.85	26	16.18
July 3	15.55	18	16.05	June 4	14.30	Dec. 3	16.27
10	15.90	26	15.60	11	14.56	10	16.30
17	16.42	Jan. 1, 1962	15.94	18	14.35	17	16.37
24	16.90	8	15.90	24	14.57	29	16.30

City of Pontiac

3N 10E 32-1. City of Pontiac. Walnut and Wessen Sts., Pontiac. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 8 in, depth 160 ft. Lsd 921.88 ft above msl. MP top of recorder base, 2.75 ft above lsd. Highest water level 59.55 below lsd, Apr. 22, 1940; lowest 129.5 below lsd, Aug. 5, 1955. Records available: 1939-62. Water levels affected by regional pumping. For additional measurements, see Giroux (1961, 1962).

Water level at 2 a.m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	111.9	110.9	111.0	109.4	108.6	111.6	110.1	113.4	113.5	111.3	108.8	e109.5
10	e111.7	110.6	109.6	109.0	109.5	110.0	111.4	113.0	111.9	109.4	108.9	h111.6
15	e111.0	110.9	110.4	108.1	111.7	110.6	111.5	113.8	112.4	109.5	110.0	111.4
20	109.8	111.1	110.0	109.7	110.8	110.6	e112.8	113.3	112.6	108.4	109.5	111.9
25	110.2	110.3	110.1	109.7	110.6	109.3	e112.5	111.0	112.0	108.9	110.4	110.7
Eom	111.4	110.6	108.8	e109.8	111.8	110.4	112.3	111.1	111.6	109.3	e109.0	110.3
1959												
5	109.0	e109.7	110.9	110.8	e110.0	109.8	115.7	118.0	117.2	116.5	113.0	111.9
10	110.3	109.5	109.6	110.9	110.4	112.7	118.9	116.8	117.1	116.9	113.2	112.7
15	109.7	109.4	109.5	111.1	e109.6	112.3	120.4	118.2	115.9	116.2	113.0	112.6
20	110.0	111.1	111.0	109.5	109.4	115.6	118.2	117.1	116.2	115.6	112.6	112.9
25	110.4	h110.8	111.3	110.2	108.9	114.3	119.2	117.0	117.1	113.9	111.4	112.3
Eom	110.9	110.8	e110.6	108.7	108.8	116.1	118.5	115.7	116.2	114.2	110.8	112.7
1960												
5	112.3	113.1	113.9	114.0	115.4	115.4	115.3	121.2	118.8	119.6	119.5	118.9
10	112.7	113.2	114.0	114.5	114.2	117.0	117.8	.....	120.6	118.5	118.7	119.4
15	112.9	113.5	113.7	114.9	114.9	115.1	118.0	118.9	119.8	119.7	119.5	118.9
20	113.4	114.3	114.3	114.6	114.9	114.8	118.3	118.9	119.6	119.0	119.4	120.0
25	113.0	113.9	114.7	114.2	115.1	115.9	119.3	119.2	119.9	119.0	117.9	119.6
Eom	112.8	113.7	114.1	115.2	113.7	116.7	120.4	119.8	119.9	118.5	118.6	119.0
1961												
5	119.5	118.9	116.6	114.9	117.5	117.9	120.8	122.0	120.8	120.5	120.3	119.3
10	119.9	119.1	117.7	113.4	116.4	118.9	121.8	120.0	121.3	119.7	120.0	120.0
15	118.6	118.1	115.9	115.5	116.1	119.5	122.3	120.7	120.2	120.6	119.9	120.1
20	118.1	116.4	115.5	116.4	117.5	119.6	122.9	122.2	119.9	120.4	119.8	.....
25	119.1	117.4	116.7	115.9	118.0	119.8	121.8	121.5	119.7	120.2	120.1	.....
Eom	118.4	117.2	116.8	115.6	117.1	121.6	122.2	120.6	120.3	120.4	120.4	119.5

e Estimated.

h Tape measurement.

3N 10E 32-1--Continued.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	120.0	119.6	118.7	119.1	119.5	e123.5	123.6	125.1	124.4	123.5	123.2	123.3
10	120.4	119.6	118.7	118.8	119.6	122.7	.....	124.7	e124.3	e123.1	123.5	123.6
15	120.2	119.3	118.9	119.2	121.6	122.4	124.6	124.7	124.1	e123.2	123.8	e123.9
20	120.2	118.1	118.6	118.8	e123.8	122.4	126.2	124.3	124.0	e123.1	123.8	e123.9
25	120.2	118.3	119.1	118.7	123.6	e122.5	124.8	124.3	123.6	123.1	124.2	e124.2
Eom	119.6	119.1	118.7	119.5	e124.0	124.0	125.0	124.3	124.0	123.0	124.0	123.6

e Estimated.

Ogemaw County

Klacking Township

23N 2E 2-1. Charles Hudson. NE $\frac{1}{4}$ NW $\frac{1}{4}$ of sec. Dug unused water-table well in deposits of Pleistocene age, size 36 x 48 in, depth 6 ft, plank to open bottom. MP top of recorder base, 3.35 ft above lsd. Highest water level 0.37 below lsd, May 5, 1952; lowest 4.30 below lsd, Mar. 5, 1959. Records available: 1951-62. For additional measurements, see Giroux (1960).

Water level at 2 a.m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	2.07	e2.12	e2.22	2.02	1.97	2.07	2.19	3.12	3.60	4.04	4.16	3.35
10	2.06	h2.15	h2.28	1.98	1.96	2.11	2.47	3.25	3.53	3.77	4.08	3.42
15	e2.08	e2.18	e2.31	2.00	1.96	2.21	2.57	3.43	3.75	3.95	3.93	3.48
20	e2.08	2.23	2.24	2.01	1.98	2.32	2.59	3.54	3.79	4.10	3.44	3.50
25	e2.07	2.21	2.04	1.99	1.98	2.25	e2.75	3.52	3.89	3.91	3.42	3.54
Eom	e2.10	2.15	2.00	1.99	2.06	2.39	e3.00	3.52	4.00	4.08	3.38	3.60

1959

5	e3.68	e4.14	4.30	e2.50	1.07	0.95	1.23	1.79	2.23	2.56	2.11	2.13
10	e3.73	e4.21	e4.26	1.74	1.06	.97	1.32	1.86	2.32	2.38	2.17	2.17
15	e3.84	e4.24	e4.05	1.38	1.08	.99	1.41	e1.87	2.38	2.43	2.16	2.22
20	e3.93	e4.27	3.79	1.26	.53	1.03	1.47	1.98	2.46	2.50	2.14	2.25
25	e4.00	4.28	3.49	1.14	.99	1.06	1.58	2.04	2.49	2.25	2.05	2.29
Eom	e4.07	4.28	3.15	1.07	.96	1.17	1.71	2.11	2.47	2.32	2.12	2.14

1960

5	2.19	2.19	e2.35	1.87	1.12	1.14	1.41	1.77	2.11	2.44	2.60	2.60
10	2.19	e2.18	e2.40	1.89	.91	1.18	1.49	1.74	2.24	2.54	e2.59	2.61
15	2.14	2.22	2.43	1.64	1.01	1.08	1.57	1.85	2.29	2.56	2.61	e2.81
20	2.14	2.25	2.43	1.46	1.02	1.23	1.59	1.94	2.13	2.59	2.51	2.95
25	2.16	2.28	2.45	1.33	1.03	1.27	1.70	2.00	2.32	2.61	2.57	3.08
Eom	2.17	2.33	1.75	1.19	1.04	1.35	1.72	2.07	2.40	2.60	2.55	3.08

1961

5	e3.20	3.73	3.67	2.57	2.00	1.89	e2.15	2.26	2.65	....	....	2.19
10	3.20	3.83	3.59	2.54	e1.95	1.87	e2.25	2.41	2.81	....	2.26	2.26
15	3.28	3.87	3.60	2.42	1.93	e1.98	2.35	2.46	2.30	....	....	2.22
20	3.31	3.85	3.62	2.21	1.88	e2.00	2.34	2.56	2.52	....	....	e2.23
25	3.31	3.69	2.91	2.16	e1.85	1.97	2.10	2.54	2.16	....	h2.21	e2.26
Eom	e3.44	3.71	2.58	2.07	1.76	2.11	2.33	2.64	2.27	....	....	e2.28

1962

5	e2.31	e2.49	e2.70	1.78	1.23	1.28	1.59	1.86	2.06	2.02	2.24	e2.51
10	e2.34	e2.57	2.68	1.48	1.22	1.31	1.67	1.91	1.90	2.09	2.26	2.55
15	e2.37	e2.60	2.66	1.42	1.21	1.35	1.75	1.94	1.99	2.13	2.32	2.59
20	e2.40	e2.66	2.74	1.37	1.06	1.40	1.76	2.01	2.04	2.16	e2.37	2.63
25	e2.39	e2.67	2.61	1.31	1.24	1.46	1.76	1.97	2.00	2.15	e2.39	2.77
Eom	e2.45	e2.68	2.07	1.26	1.27	1.51	1.83	2.07	2.05	2.18	e2.46	2.82

e Estimated.

h Tape measurement.

Presque Isle County

Allis Township

33N 2E 30-1. State Dept. of Conservation. NE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. Jetted observation water-table well in deposits of Pleistocene age, diam 2 in, depth 14 ft, open bottom. MP top of casing, 1.20 ft above lsd. Highest water level 0.61 below lsd, July 12, 1960; lowest 5.69 below lsd, Jan. 27, 1956. Records available: 1934-44, 1948-62.

33N 2E 30-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 22, 1958	3.70	July 7, 1959	2.40	Sept. 13, 1960	1.65	Dec. 5, 1961	3.08
July 7	3.94	Sept. 30	3.38	Dec. 2	2.90	Apr. 4, 1962	3.27
Oct. 9	4.39	Dec. 3	2.93	Apr. 4, 1961	1.40	July 16	1.97
Dec. 3	4.32	Apr. 11, 1960	2.64	July 10	2.00	Sept. 18	2.77
Apr. 15, 1959	3.64	July 12	.61	Sept. 11	3.78	Dec. 4	3.74

Roscommon CountyHiggins Township

24N 2W 20-1. State Dept. of Conservation. NE $\frac{1}{4}$ NW $\frac{1}{4}$ of sec. Jetted observation water-table well in sand of Pleistocene age, diam 8 in, depth 14 ft, open bottom. Lsd 1,145.30 ft above msl. MP top of recorder base (previously reported top of pipe), 2.50 ft above lsd. Highest water level 2.78 below lsd, May 3, 1951; lowest 6.23 below lsd, Dec. 6-11, 1949. Records available: 1934-62. For additional measurements, see Giroux (1960).

Water level at 2 a.m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.55	4.77	4.86	e4.60	4.40	4.83	5.09	5.65	5.81	6.02	5.96	5.23
10	4.55	4.79	4.88	e4.50	4.46	4.87	5.16	5.75	5.79	5.94	5.94	5.25
15	4.62	4.82	4.90	4.36	4.55	4.91	5.22	5.84	5.91	5.96	5.93	5.27
20	4.67	4.86	4.92	4.92	4.63	4.96	5.30	5.92	5.96	5.97	5.27	5.30
25	4.69	4.87	4.86	4.33	4.70	5.00	5.43	5.93	5.99	5.96	5.22	5.34
Eom	4.73	4.75	4.67	4.35	4.78	5.04	5.53	5.98	6.02	5.94	5.23	5.39

1959

5	5.44	5.60	5.72	4.83	3.57	3.77	4.60	5.19	5.39	5.40	4.46	4.31
10	5.46	5.62	5.75	e3.97	3.59	3.93	4.77	5.23	5.47	5.04	4.34	4.33
15	5.49	5.64	5.77	3.75	3.66	4.05	4.90	5.33	5.53	4.92	4.32	4.35
20	5.54	5.68	5.48	3.54	3.48	4.19	4.95	5.35	5.54	4.92	4.30	4.41
25	5.56	5.70	5.37	3.55	3.52	4.34	5.04	5.23	5.46	4.68	4.28	4.45
Eom	5.58	5.71	5.35	3.52	e3.64	4.49	5.04	5.33	5.40	4.52	4.28	4.22

1960

5	4.21	4.51	4.74	3.83	3.28	3.26	3.80	4.26	4.71	5.01	5.11	4.94
10	4.27	4.54	4.78	3.78	e3.21	3.43	e3.91	e4.30	4.82	5.05	5.11	4.96
15	4.30	4.59	4.81	3.35	3.13	3.43	4.06	4.38	4.89	e5.05	4.91	4.99
20	4.35	e4.63	4.84	3.14	3.16	3.58	4.15	4.47	e4.96	5.11	4.91	5.06
25	4.40	4.68	4.88	3.14	3.11	3.67	4.25	e4.52	4.94	5.13	4.90	5.10
Eom	4.47	4.71	4.05	e3.19	3.20	3.71	4.07	4.63	4.98	5.12	4.90	5.14

1961

5	5.18	5.32	5.19	4.59	4.44	4.71	5.06	5.29	4.54	4.34	4.58	4.45
10	5.20	5.35	5.15	4.60	4.44	4.77	5.16	5.38	4.72	4.41	4.60	4.48
15	5.22	5.37	5.15	4.62	4.45	4.85	5.25	5.27	4.33	4.45	4.64	4.51
20	5.24	5.26	5.18	4.49	4.50	4.92	5.27	5.39	4.39	4.52	4.57	4.52
25	5.27	5.10	4.96	4.45	4.56	4.96	5.29	5.44	4.48	4.56	4.52	4.57
Eom	5.29	5.18	4.63	4.44	4.66	e5.00	5.29	5.46	4.39	4.57	4.46	4.63

1962

5	4.68	4.91	5.08	4.08	3.54	4.11	4.51	4.97	4.96	5.14	5.15	5.17
10	4.72	4.95	5.10	3.88	3.56	4.22	4.65	4.67	5.08	5.16	5.12	5.19
15	4.76	4.97	5.08	3.85	3.65	4.25	4.79	4.75	5.01	5.16	5.10	5.20
20	4.80	5.02	5.04	3.87	3.73	4.01	4.93	4.88	5.06	5.19	5.12	5.22
25	4.82	5.05	5.04	3.90	3.83	4.24	4.94	5.03	5.07	5.17	5.14	5.23
Eom	4.89	5.06	4.23	3.98	3.99	4.38	5.00	5.08	5.12	5.14	5.16	5.26

e Estimated.

Sanilac CountyMoore Township

12N 13E 33-1. State Highway Dept. SE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. Driven unused artesian well in lower part of the Marshall Formation, diam 3 in, depth 150 ft, cased to 53. MP top of 1 $\frac{1}{2}$ -in pipe extension, 1.00 ft above lsd. Highest water level 15.45 below lsd, Apr. 25, 1951; lowest 23.60 below lsd, Feb. 11, 1959. Records available: 1948-62.

12N 13E 33-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1958	17.85	Apr. 15, 1959	19.55	July 6, 1960	17.80	Oct. 13, 1961	17.95
8	17.83	22	19.67	13	17.98	20	18.28
15	17.93	29	19.43	20	18.45	27	18.10
22	18.03	May 6	19.08	27	18.43	Nov. 1	17.67
29	18.17	13	18.88	Aug. 3	18.78	8	17.43
Feb. 5	18.37	20	18.95	11	19.10	15	17.59
12	18.52	27	18.14	17	19.57	22	17.10
19	18.70	June 3	17.85	24	19.74	29	17.07
26	17.65	10	18.35	31	20.30	Dec. 6	17.98
Mar. 12	17.50	17	18.53	Sept. 7	20.20	13	17.07
19	17.52	24	18.90	14	20.50	20	17.26
26	17.43	July 1	19.00	21	20.85	27	17.24
Apr. 2	17.43	8	19.47	28	21.00	Jan. 3, 1962	17.60
9	17.60	15	19.58	Oct. 5	21.20	10	18.30
16	17.30	22	19.90	12	21.60	17	18.23
23	17.37	29	19.87	20	21.75	24	18.24
30	17.53	Aug. 5	20.00	26	21.80	31	18.40
May 7	17.62	13	20.50	Nov. 2	21.97	Feb. 7	18.24
14	17.96	20	20.57	9	22.20	14	18.28
21	18.30	26	20.95	16	22.18	21	18.48
28	18.35	Sept. 2	20.78	23	22.28	28	18.65
June 4	18.62	9	21.00	30	22.35	Mar. 7	18.60
11	18.91	16	21.30	Dec. 7	22.49	14	18.35
18	19.00	24	21.48	14	22.50	21	17.80
25	19.10	30	21.60	21	22.53	28	17.41
July 2	19.60	Oct. 7	21.47	28	22.80	Apr. 4	17.46
9	19.50	14	21.25	Jan. 4, 1961	22.83	11	17.11
16	19.65	21	21.39	11	22.88	27	17.03
23	19.99	28	21.50	18	23.17	May 2	16.99
30	20.10	Nov. 4	21.29	25	23.27	9	16.50
Aug. 6	20.40	11	20.79	Feb. 1	23.20	16	16.84
13	20.74	18	20.20	8	23.18	23	17.17
20	20.98	25	20.14	15	23.28	30	17.88
27	21.05	Dec. 2	19.45	22	23.15	June 6	17.78
Sept. 3	21.16	9	18.88	Mar. 1	22.77	13	16.97
10	21.27	16	18.50	15	22.06	20	16.66
17	21.50	23	18.25	22	21.43	27	17.05
24	21.77	30	17.90	29	20.78	July 4	17.62
Oct. 1	21.99	Jan. 6, 1960	17.30	Apr. 5	20.40	11	18.04
8	21.99	13	17.54	12	20.20	18	18.46
22	22.47	20	17.30	19	20.10	25	18.50
29	22.48	27	17.20	26	19.61	Aug. 1	18.72
Nov. 4	22.55	Feb. 3	17.23	May 3	19.06	8	18.83
12	22.75	10	16.70	10	18.97	15	19.20
19	22.67	17	16.64	17	19.10	22	19.55
26	22.70	24	16.89	31	19.20	29	19.79
Dec. 3	22.85	Mar. 2	17.23	June 7	19.38	Sept. 5	20.00
10	23.05	9	17.30	14	19.40	12	20.10
17	23.10	16	17.47	21	19.26	19	20.38
24	23.20	23	17.66	28	19.60	26	20.37
31	23.23	30	17.10	July 5	19.80	Oct. 3	20.45
Jan. 7, 1959	23.25	Apr. 6	16.25	12	20.10	10	20.78
14	23.30	13	16.20	19	20.00	17	20.67
21	23.20	20	16.33	25	19.92	24	20.65
28	23.39	27	16.30	Aug. 2	19.96	31	19.95
Feb. 4	23.30	May 4	16.56	9	19.67	Nov. 7	19.76
11	23.60	11	16.70	16	19.55	14	19.85
18	23.47	18	16.33	23	19.10	21	19.60
25	23.45	25	16.26	30	18.30	28	19.85
Mar. 4	23.49	June 1	16.60	Sept. 6	18.17	Dec. 5	19.80
18	22.58	8	17.15	13	18.40	12	20.07
25	21.38	15	17.10	20	18.67	19	19.86
Apr. 1	20.56	22	17.05	27	18.44	26	19.70
8	19.88	29	17.15	Oct. 6	17.83		

Schoolcraft CountyGermfask Township

45N 13W 16-1. U. S. Fish and Wildlife Service. SW $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. Drilled unused artesian well in Richmond Group of Upper Ordovician age, diam 4 in, depth 151 ft, cased to about 65. Lsd about 710 ft above msl. MP top of casing, 3.60 ft below lsd. Highest water level 4.80 below lsd, May 8, 1960; lowest 6.28 below lsd, Sept. 26, 1955. Records available: 1952-62.

Water level at 2 a. m., from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.49	5.40	e5.31	5.43	5.53	5.52	5.47	h5.73	5.77	5.75	5.71	5.49
10	5.37	5.38	e5.33	5.49	5.51	5.54	e5.53	5.74	5.66	5.67	5.61	5.53
15	5.45	5.38	5.36	5.51	5.51	5.58	5.50	5.77	5.68	5.74	5.68	5.50
20	5.45	5.41	5.37	5.50	5.44	5.62	5.59	5.80	5.73	5.71	5.60	5.46
25	5.42	h5.35	5.42	5.45	5.47	5.63	5.55	5.74	5.71	5.73	5.68	5.45
Eom	5.36	5.31	5.41	5.48	5.51	5.62	5.69	5.67	5.71	5.74	5.66	5.46

1959

5	5.44	5.32	5.40	5.13	5.55	5.56	5.55	5.81	5.75	5.56	5.43	5.42
10	5.45	5.33	5.29	5.32	5.53	5.56	5.54	5.75	5.71	5.54	5.37	5.43
15	5.40	5.35	5.28	5.37	5.61	5.60	5.63	5.80	5.73	5.52	5.46	5.43
20	5.41	5.38	5.25	5.48	5.57	5.64	5.66	5.79	5.69	5.45	5.43	5.46
25	5.39	5.37	5.26	5.58	5.55	5.68	5.72	5.76	5.65	5.38	5.36	5.43
Eom	5.42	5.37	5.24	5.50	5.51	5.56	5.76	5.68	5.57	5.45	5.40	5.36

1960

5	5.33	5.26	5.23	5.15	5.35	5.27	5.37	5.50	5.45	5.42	....	....
10	5.31	5.22	5.25	5.16	4.93	5.35	5.42	5.54	5.45	5.45	....	....
15	5.25	5.23	5.28	5.06	5.26	5.34	5.48	5.54	5.46	5.43	....	....
20	5.24	5.21	5.25	5.50	5.37	5.30	5.49	5.57	5.46	5.44	....	....
25	5.24	5.22	5.24	5.34	5.37	5.29	5.39	5.67	....	5.38	....	....
Eom	5.25	5.21	5.16	5.34	5.37	5.36	5.43	5.57	h5.44	....	....	....

1961

5	....	5.34	5.19	5.22	5.49	5.54	5.54	5.69	5.81	5.65	5.60	5.64
10	....	5.27	5.20	5.28	5.41	5.57	5.57	5.72	5.79	5.73	5.74	5.69
15	....	5.30	5.19	5.39	5.45	5.65	5.59	5.77	5.69	5.68	5.72	5.67
20	....	5.26	5.26	5.38	5.45	5.60	5.60	5.80	5.74	5.68	5.67	5.57
25	....	5.24	5.25	5.39	5.48	5.40	5.60	....	5.70	5.67	5.73	5.59
Eom	5.31	5.26	5.20	5.46	5.56	5.47	5.66	5.79	5.69	5.60	5.77	....

1962

5	5.59	5.42	5.31	5.40	5.53	5.58	5.70	5.98	5.98	5.96	6.04	5.98
10	5.51	5.44	5.30	5.28	5.56	5.60	5.73	6.01	5.98	5.96	6.09	5.99
15	5.48	5.37	5.27	5.50	5.55	5.54	5.81	5.91	5.98	5.95	6.12	5.96
20	5.49	5.34	5.25	5.61	5.62	5.55	5.83	5.93	6.00	6.01	6.02	6.00
25	5.45	5.35	5.30	5.53	5.62	5.57	5.84	5.93	5.91	5.96	6.11	5.95
Eom	5.45	5.30	5.31	5.47	5.52	5.58	5.93	5.92	5.96	6.00	6.11	5.92

e Estimated.

h Tape measurement.

Washtenaw CountyYpsilanti Township

3S 7E 24-1. Ford Motor Co. NE $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. Drilled unused water-table well in sand of Pleistocene age, diam 4 in, depth 87 ft, screened 77-80. Lsd 665.56 ft above msl. MP top of 4-in coupling, 3.00 ft above lsd. Highest water level 5.79 below lsd, Jan. 5, 1950; lowest 19.44 below lsd, July 27, 1962. Records available: 1949-62. Water levels affected by nearby pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1958	13.96	May 23, 1959	14.41	Jan. 7, 1961	15.02	Dec. 16, 1961	15.21
28	14.20	June 18	14.92	21	15.18	Jan. 13, 1962	16.39
Mar. 14	13.99	July 2	14.95	Feb. 18	15.10	Mar. 10	18.18
Apr. 17	13.69	10	15.02	Mar. 18	14.55	Apr. 7	19.10
May 17	13.83	31	15.00	Apr. 15	14.83	May 5	18.87
June 6	14.10	Apr. 22, 1960	15.34	May 13	13.82	June 2	18.99
July 9	13.75	May 27	14.61	June 10	14.17	27	19.09
28	13.99	June 17	14.50	July 11	14.28	July 27	19.44
Aug. 6	14.13	July 8	14.48	Aug. 9	13.96	Aug. 17	19.26
Sept. 6	13.47	Aug. 5	14.90	30	13.95	Sept. 16	17.97
Oct. 21	13.08	Sept. 16	14.78	Sept. 23	13.80	Oct. 12	16.85
Jan. 12, 1959	14.23	Oct. 28	14.65	Oct. 19	13.87	Nov. 11	18.33
Feb. 25	14.32	Nov. 17	14.63	Nov. 18	14.26	Dec. 8	18.84
Apr. 15	13.95	Dec. 20	14.92				

York Township

4S 6E 10-1. Ypsilanti State Hospital. SW $\frac{1}{4}$ NW $\frac{1}{4}$ of sec. Drilled unused artesian well in gravel of Pleistocene age, diam 6 in, depth 173 ft. Lsd about 794 ft above msl. MP top of recorder base, 0.90 ft above lsd. Highest water level 56.64 below lsd, Oct. 1, 1962; lowest 88.27 below lsd, July 8, 1955. Records available: 1946-62. Measurements made by Ypsilanti State Hospital. Water levels affected by nearby pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1958	70.80	Mar. 20, 1959	65.46	Aug. 16, 1960	78.09	Sept. 1, 1961	60.05
10	81.21	27	75.60	23	78.21	8	61.22
17	75.82	Apr. 3	70.37	31	75.60	15	59.45
24	69.44	10	73.34	Sept. 7	78.83	22	58.84
31	80.58	17	70.94	13	72.34	Oct. 2	57.16
Feb. 7	67.88	24	64.44	27	73.02	9	56.77
14	81.22	May 8	72.74	Oct. 5	77.03	16	71.67
21	68.46	15	71.96	12	70.88	23	71.68
28	76.92	22	75.22	18	69.86	Nov. 3	71.19
Mar. 7	77.95	29	74.90	Nov. 2	66.10	14	71.29
14	67.32	June 5	74.56	10	66.78	22	57.52
21	80.15	19	73.96	17	69.35	Dec. 1	64.00
28	82.26	26	64.68	23	67.95	8	59.22
Apr. 4	68.12	July 10	72.19	30	68.33	15	61.78
11	66.95	23	77.29	Dec. 7	68.15	22	68.83
18	67.03	Aug. 14	67.36	13	70.02	29	62.54
24	66.50	Sept. 11	73.81	23	73.83	Jan. 12, 1962	68.75
May 16	81.00	18	72.00	30	67.56	19	66.84
23	68.65	25	74.25	Jan. 4, 1961	73.76	Feb. 2	71.92
29	67.60	Oct. 2	65.01	12	68.66	9	62.32
June 6	77.65	Jan. 4, 1960	68.39	20	64.76	16	66.94
13	66.43	11	65.51	31	66.51	23	65.87
22	68.02	18	65.65	Feb. 14	68.69	Mar. 2	66.17
27	75.96	26	70.36	24	73.46	9	65.96
July 3	66.53	Feb. 1	64.63	28	68.32	23	60.98
11	80.36	8	70.12	Mar. 7	65.33	Apr. 2	64.41
18	80.39	15	69.10	15	68.65	10	65.75
25	68.15	22	72.44	22	68.54	17	63.81
Aug. 1	73.83	29	71.21	30	67.76	May 1	63.61
8	71.80	Mar. 8	71.76	Apr. 7	66.77	11	68.64
15	80.62	15	69.59	14	70.05	16	66.22
29	72.52	22	68.38	21	73.01	June 11	65.84
Sept. 5	75.60	29	62.84	28	67.13	22	70.65
12	75.65	Apr. 5	71.86	May 5	68.31	29	76.64
19	66.32	12	68.05	12	71.73	July 12	71.23
26	79.78	19	68.08	23	72.79	24	70.81
Oct. 3	75.16	26	72.54	June 6	68.44	Aug. 6	65.46
10	79.60	May 10	74.12	16	72.26	15	62.22
17	74.27	17	71.52	23	67.32	27	73.94
24	80.18	24	62.65	July 3	71.14	Sept. 4	65.85
30	74.27	June 7	75.01	10	68.24	17	65.72
Nov. 10	64.63	22	64.84	17	70.34	Oct. 1	56.64
21	77.21	28	64.82	26	73.13	16	59.97
28	64.54	July 12	68.37	Aug. 4	69.82	Nov. 15	62.80
Dec. 19	77.53	19	64.22	11	73.85	22	70.26
26	79.53	26	75.36	18	72.74	30	65.98
Mar. 6, 1959	71.79	Aug. 2	69.75	25	63.22	Dec. 14	68.64
13	72.90						

Wexford County

Henderson Township

21N 11W 13-1. State Dept. of Conservation. NW $\frac{1}{4}$ NE $\frac{1}{4}$ of sec. Drilled unused water-table well in deposits of Pleistocene age, diam 6 in, depth 62 ft. MP top of casing, 1.40 ft above lsd. Highest water level 46.28 below lsd, June 5, 1952; lowest 51.13 below lsd, Nov. 11, 1958. Records available: 1948-62. Well destroyed Aug. 8, 1962; measurement discontinued.

Apr. 23, 1958	50.65	Oct. 6, 1958	51.01	Apr. 6, 1959	51.04	Oct. 12 1959	48.77
May 7	50.67	Nov. 11	51.13	May 11	49.79	Nov. 9	48.88
June 9	50.67	Dec. 8	50.99	June 8	48.74	Dec. 7	48.91
July 14	50.74	Jan. 12, 1959	50.67	July 13	48.24	Jan. 11, 1960	49.00
Aug. 11	50.80	Feb. 9	50.63	Aug. 11	48.26	Feb. 9	49.05
Sept. 8	50.88	Mar. 10	50.88	Sept. 14	48.58	Mar. 21	49.23

21N 11W 13-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 12, 1960	49.11	Nov. 10, 1960	47.96	June 12, 1961	49.02	Jan. 8, 1962	49.68
May 10	48.30	Dec. 7	48.14	July 5	49.13	Feb. 6	49.70
June 8	47.63	Jan. 10, 1961	48.39	Aug. 7	49.16	Mar. 5	49.78
July 5	47.05	Feb. 6	48.60	Sept. 11	49.37	Apr. 9	49.91
Aug. 8	47.00	Mar. 13	48.47	Oct. 9	49.47	May 7	49.42
Sept. 9	47.30	Apr. 10	49.09	Nov. 6	49.57	June 11	48.86
Oct. 13	47.62	May 8	49.03	Dec. 12	49.37	July 9	48.60

City of Cadillac

21N 9W 4-1. City of Cadillac. NW $\frac{1}{4}$ NE $\frac{1}{4}$ of sec. Drilled unused artesian well in deposits of Pleistocene age, diam 8 to 6 in, reported depth 277 ft. Lsd 1, 291.10 ft above msl. MP top of recorder base, 4.13 ft above lsd (since July 14, 1961). Highest water level 19.99 below lsd, July 6, 1953; lowest 24.51 below lsd, July 7, 1962. Records available: 1949-62. Recorder installed July 14, 1961. For additional measurements, see Giroux (1962).

Apr. 23, 1958	23.37	Apr. 6, 1959	23.79	Apr. 12, 1960	22.30	Dec. 7, 1960	21.09
July 14	23.21	July 13	22.31	July 5	21.04	Apr. 10, 1961	21.63
Oct. 6	23.83	Sept. 30	21.38	Sept. 9	20.98	July 5	21.95
Dec. 8	23.70	Dec. 7	22.20				

Lowest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	22.31	22.48	22.3 ^e	22.65	22.56
10	22.35	22.47	22.3 ^e	22.56	e22.65
15	22.25	22.36	22.49	22.3 ^e	22.60	22.74
20	22.25	22.38	22.41	22.3 ^e	22.60	22.69
25	22.32	22.31	22.41	22.31	22.61	22.57
Eom	22.32	22.43	22.37	22.51	22.59	22.71

1962

5	e22.65	h22.72	h22.84	.....	23.17	23.65	24.23	23.53	23.67	23.67	23.82	.....
10	.....	.....	.....	.....	23.05	.....	23.92	23.79	23.54	23.64	23.77	h23.95
15	.....	.....	.....	.....	23.27	23.93	23.82	23.55	23.69	23.67	23.81	.....
20	.....	.....	.....	.....	23.49	23.33	24.32	23.78	23.63	23.67	.....	.....
25	.....	.....	.....	23.24	23.27	23.62	23.52	24.04	23.58	23.71	.....	.....
Eom	23.24	23.40	23.79	23.68	23.87	23.61	23.74	24.21

e Estimated.

h Tape measurement.

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NEW HAMPSHIRE

By J. M. Weigle

The observation-well program in New Hampshire was continued during the period 1958 through 1962. Part of the work was done in cooperation with the New Hampshire Water Resources Board. The Manchester Water Works maintained the recording gage on well Auburn 8 and made weekly measurements of the water level in that well. Figure 8 shows the location of observation wells included in this report.

Well-Numbering System

Wells are designated by town or city names and serial numbers assigned within each town.

Well Descriptions and Water-Level Measurements

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

Hillsboro County

Nashua 101. Pennichuck Water Works. Lat 42°47'05", long 71°28'48". Dig unused water-table well in sand and gravel of Pleistocene age, diam 36 in, depth 19 ft, lined with stone. Lsd about 170 ft above msl. MP southeast edge of northwest slab of granite, 0.50 ft above lsd. Highest water level 6.91 below lsd, Apr. 4, 1960; lowest dry, Oct. 22, 1956. Records available: 1955-56, 1958-62. No measurement made in 1957.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 28, 1955	12.25	July 10, 1959	13.04	Jan. 6, 1961	12.84	May 16, 1962	10.32
May 5, 1956	6.97	Aug. 27	14.81	Feb. 2	14.27	31	11.19
June 28	11.98	Sept. 28	16.31	Mar. 2	12.99	June 15	12.10
Oct. 22	(f)	Oct. 5	16.66	29	9.65	18	12.34
Oct. 24, 1958	17.28	22	16.40	May 2	8.59	July 2	12.89
Nov. 21	16.33	Nov. 2	15.87	June 2	10.86	16	13.83
Dec. 8	14.52	10	15.22	30	12.47	28	14.29
Feb. 5, 1959	12.78	24	14.03	Aug. 9	15.05	Aug. 15	14.38
26	13.77	Dec. 1	13.46	Sept. 5	16.86	30	15.44
Mar. 5	14.27	Jan. 4, 1960	11.72	Oct. 2	16.78	Sept. 19	16.85
7	14.30	29	12.29	31	17.07	27	17.29
17	14.77	Mar. 1	10.14	Dec. 1	15.80	28	17.29
24	14.09	Apr. 4	6.91	Jan. 1, 1962	14.89	Oct. 2	17.44
26	13.44	May 2	9.01	16	14.48	4	17.46
Apr. 3	12.26	June 1	10.25	Feb. 1	13.33	8	16.75
28	10.79	July 4	12.72	19	13.61	11	14.47
5	10.76	31	14.48	Mar. 1	14.14	16	12.15
May 29	10.37	Sept. 2	16.13	16	13.23	30	12.21
June 16	11.72	Oct. 4	14.77	30	8.61	Nov. 16	10.82
24	12.41	Nov. 5	13.84	Apr. 16	8.34	30	11.06
29	12.29	28	12.99	30	9.65	Dec. 17	10.25
29	12.32						

f Dry.

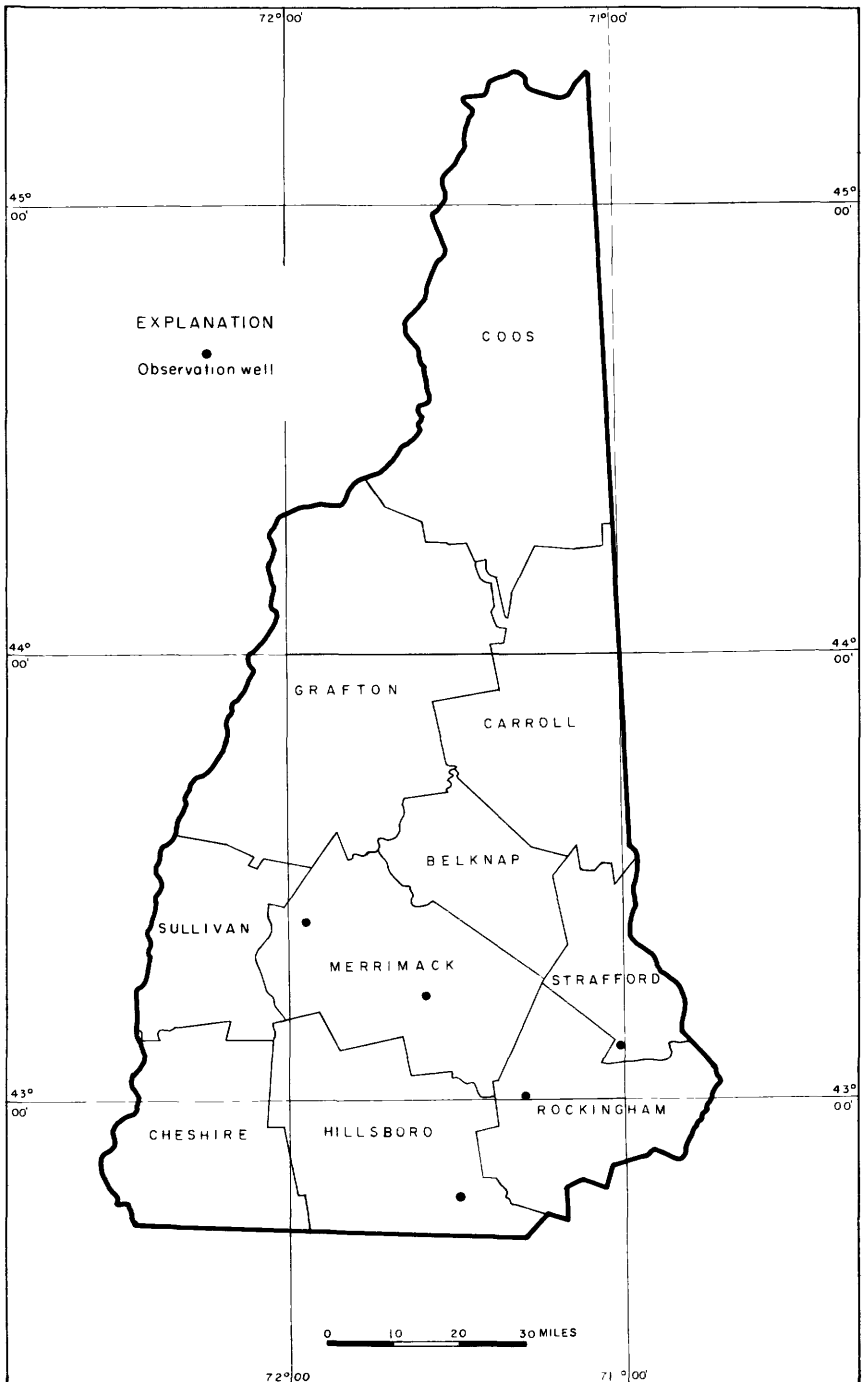


Figure 8. --Location of observation wells in New Hampshire, 1958-62.

Merrimack County

Concord 1. U. S. Geol. Survey. Lat 43°15'25", long 71°34'58". Driven observation water-table well in stratified sand, diam $\frac{3}{4}$ in, depth 11 ft, 2-ft by 1 $\frac{1}{4}$ -in well point. Lsd about 345 ft above msl. MP top of steel pipe, 2.80 ft above lsd. Highest water level 0.09 below lsd, Apr. 4, 1960; lowest 5.93 below lsd, Oct. 4, 1962. Records available: 1955-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 29, 1958	3.17	July 10, 1960	2.92	Aug. 9, 1961	4.07	July 2, 1962	3.51
Oct. 24	4.97	Sept. 3	4.14	Sept. 5	4.39	28	3.30
Dec. 31	4.31	Oct. 4	2.82	Oct. 2	4.98	Aug. 15	4.65
Apr. 6, 1959	.50	Nov. 4	2.47	31	5.18	30	5.12
Aug. 4	4.27	28	2.98	Dec. 1	4.10	Sept. 17	5.68
Dec. 30	3.25	Feb. 2, 1961	4.15	Jan. 4, 1962	4.22	Oct. 1	5.78
Jan. 27, 1960	3.17	Mar. 2	2.43	Feb. 2	4.11	4	5.93
Mar. 1	2.47	29	.44	Mar. 5	4.49	17	3.46
Apr. 4	.09	May 1	1.44	29	2.45	31	3.49
29	1.09	June 2	1.78	May 1	1.80	Nov. 29	2.82
June 1	1.46	30	3.00	31	2.70	Dec. 18	2.63

New London 1. W. S. Mariner. Lat 43°23'46", long 71°57'09". Dug unused water-table well in sandy glacial till, diam 36 in, depth 21 ft, lined with field stone to 21. Lsd about 1,020 ft above msl. MP cross chiseled on east side of rock casing, at lsd. Highest water level 0.87 below lsd, Apr. 6, 1952; lowest 16.43 below lsd, Feb. 8, 1948. Records available: 1947-62.

Mar. 30, 1958	3.70	June 28, 1959	10.74	Nov. 29, 1960	7.80	Feb. 27, 1962	13.90
Apr. 27	3.46	July 30	12.40	Dec. 28	8.48	Mar. 20	13.92
May 28	6.70	Sept. 28	14.83	Feb. 25, 1961	11.35	Apr. 3	2.37
June 27	8.93	Nov. 29	3.78	Mar. 26	6.70	25	2.75
July 28	10.66	Dec. 27	5.64	Apr. 28	3.60	May 28	5.74
Aug. 27	12.18	May 31, 1960	5.68	May 30	6.45	June 30	9.11
Sept. 26	13.62	June 26	7.29	June 30	9.10	July 29	11.25
Oct. 26	14.66	July 28	9.89	July 31	11.33	Sept. 2	12.93
Nov. 26	13.74	Aug. 28	11.18	Aug. 29	12.60	29	14.02
Jan. 27, 1959	11.38	Sept. 29	7.53	Sept. 30	13.74	Oct. 29	10.46
Mar. 26	7.41	Oct. 28	7.36	Jan. 24, 1962	14.48	Nov. 30	7.00
Apr. 28	5.40						

Rockingham County

Auburn 8. Manchester Waterworks. Lat 43°00'21", long 71°18'46". Dug unused water-table well in sandy till, diam 32 in, depth 8 ft, lined with field stone to 8. Lsd about 300 ft above msl. MP edge of steel plate attached to horizontal beam, at lsd. Highest water level 0.45 below lsd, Apr. 2, 1958; lowest dry several times, 1957. Records available: 1942-62.

Water level at noon, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e2.15	1.56	1.72	1.47	1.77	2.32	3.47	3.51	e5.60	5.72	5.66	3.77
10	1.92	1.68	1.75	1.48	e1.80	2.27	2.47	4.06	5.85	5.85	5.29	3.15
15	1.80	e1.77	1.61	1.58	1.79	2.46	2.46	4.47	6.07	6.10	5.18	e3.36
20	1.75	e1.76	1.60	e1.73	1.94	2.55	2.67	4.77	e5.87	6.28	4.97	e3.22
25	1.62	e1.84	1.52	1.80	2.05	2.83	3.11	4.96	e6.05	6.32	5.05	3.27
Eom	1.43	e1.89	1.48	1.59	2.21	3.14	2.90	5.16	5.84	5.88	4.00	3.27

1959

5	2.79	e1.43	1.60	1.44	e1.60	2.08	2.39	3.58	e2.80	4.14	2.20	e1.52
10	e3.15	e2.20	e1.78	1.46	e1.69	2.35	2.72	3.58	3.48	2.28	1.98	e1.46
15	3.07	1.72	e1.90	e1.50	1.73	1.85	2.50	3.34	3.89	2.76	1.94	e1.35
20	2.76	e1.75	1.50	1.36	1.86	1.85	2.53	3.73	3.58	2.95	1.87	e1.53
25	2.22	e1.85	1.59	1.53	2.08	2.22	2.51	3.73	4.08	1.83	1.43	e1.59
Eom	e2.30	e2.00	1.46	e1.47	2.16	1.93	3.13	e2.80	4.44	2.35	1.47	e1.70

1960

5	1.49	e1.90	e1.7	1.25	1.85	2.02	3.05	4.26	e4.38	2.04	1.73	1.72
10	1.66	1.73	e1.7	1.45	1.88	2.32	3.60	4.78	4.94	2.06	1.61	1.74
15	1.68	1.68	e1.8	1.57	1.82	2.42	2.95	e4.00	2.33	2.02	1.75	1.81
20	e1.75	1.53	1.76	1.67	2.02	2.47	3.49	3.50	e1.5	1.61	1.73	1.74
25	e1.80	e1.7	1.84	1.50	1.78	2.43	4.15	3.47	2.20	1.64	1.76	1.70
Eom	e1.84	e1.66	1.77	1.77	1.98	3.15	3.55	4.22	1.90	1.83	1.55	e1.80

e Estimated.

Auburn 8--Continued.

1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e1.85	e2.05	e1.5	1.42	e1.67	2.10	2.30	2.63	3.12	2.67	3.35	2.01
10	e1.90	2.05	1.69	1.53	1.69	1.86	2.59	2.98	3.71	3.12	2.58	2.07
15	e1.83	2.08	1.68	1.41	1.87	1.93	2.57	e3.30	e2.9	2.35	2.72	2.00
20	e1.84	e1.88	1.70	1.48	1.97	2.33	2.30	e3.7	3.51	2.83	2.67	1.95
25	e1.97	e1.6	e1.66	e1.57	2.02	2.07	2.19	3.30	2.85	3.18	1.85	1.92
Eom	2.03	e1.3	1.49	1.63	1.87	2.48	2.45	2.60	2.91	3.20	2.15	1.83

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	1.85	1.82	2.00	1.43	1.82	2.78	e3.87	4.22	5.51	6.40	2.08	e1.53
10	1.75	1.86	2.00	1.57	1.85	2.53	2.90	4.20	5.74	2.86	1.84	1.49
15	1.81	1.90	1.78	1.60	2.01	2.76	3.20	e4.03	6.00	3.19	1.67	e1.55
20	1.75	1.90	1.78	1.71	2.22	3.01	3.05	4.66	6.17	e3.25	1.61	1.62
25	1.78	1.94	1.65	1.83	2.05	2.86	2.59	5.03	6.39	3.02	1.54	1.69
Eom	1.83	1.98	1.30	1.77	2.59	3.40	3.56	5.17	6.30	2.33	1.58	1.79

e Estimated.

Strafford County

Lee 1. Mrs. Mildred Carlson. About 200 ft west of center of town of Lee. Lat 43°07'15", long 71°00'47". Dug unused water-table well in sand and gravel of Pleistocene age, diam 42 in, depth 33 ft, lined with stone. Lsd about 190 ft above msl. MP top of stone cover, at lsd. Highest water level 29.34 below lsd, Jan. 31, 1958; lowest 32.16 below lsd, Sept. 30, 1957. Records available: 1953-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	29.34	Mar. 30, 1959	30.89	Aug. 1, 1960	30.37	Dec. 1, 1961	30.84
Feb. 24	31.09	Apr. 30	30.89	Sept. 1	31.59	Jan. 1, 1962	31.39
Mar. 31	30.26	May 29	31.03	Oct. 1	31.31	Feb. 1	31.25
Apr. 28	30.58	July 1	30.99	Nov. 1	31.22	Mar. 12	31.50
May 29	30.73	30	31.30	Dec. 1	31.29	Apr. 2	29.80
June 24	31.04	Aug. 27	31.57	Feb. 1, 1961	31.15	27	30.67
July 30	31.12	Sept. 28	31.66	Mar. 1	30.91	May 26	30.78
Aug. 29	31.41	Oct. 30	31.25	Apr. 1	30.62	June 27	31.04
Sept. 29	31.60	Nov. 30	30.97	May 3	30.60	July 27	31.45
Oct. 23	31.59	Dec. 30	30.97	June 3	30.80	Sept. 10	31.68
Nov. 1	31.58	Jan. 31, 1960	31.22	July 1	31.05	27	31.78
25	31.23	Mar. 2	30.20	Aug. 2	31.12	Oct. 8	30.70
Dec. 1	31.20	31	31.91	Sept. 1	31.29	29	31.10
29	31.26	May 1	30.20	Oct. 4	31.06	Nov. 28	30.98
Feb. 2, 1959	31.35	June 7	30.62	Nov. 1	31.37	Dec. 29	30.86
27	31.54	July 1	31.10				

References

- Bradley, Edward, 1955, Preliminary report on the ground-water resources of part of the sea-coast region of New Hampshire: U. S. Geol. Survey open-file rept.
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NEW JERSEY

By Charles R. Austin

The observation-well program in New Jersey, which was continued during the period 1958 through 1962, is conducted in cooperation with the State Department of Conservation and Economic Development, Division of Water Policy and Supply. Figure 9 shows the location of observation wells included in this report.

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 levels are reported in feet referred to mean sea level. Those shown between plus (+) signs are above mean sea level, and those between minus (-) signs are below sea level.

Atlantic County

36.13.2.9.1. (A. C. 600-ft) Atlantic City Water Dept. Pumping station between Absecon and Pleasantville. Lat 39°24'30", long 74°30'35". Drilled unused artesian well in 800-ft sand in Kirkwood Formation of Miocene age, diam 8 to 6 in (previously reported 10 in). depth 692 ft, cased with steel, 8-in 0-405, 6-in 405-692. Lsd 11.78 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 3.05 below msl, May 28, 1925; lowest 30.0 below msl, Oct. 11, 1954. Records available: 1925-62.

End-of-day water level, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-21.4	-20.1	-19.1	-18.1	-18.1	-18.0	-18.6	-20.0	-21.6	-22.3	-21.5	-20.6
10	21.1	20.0	19.1	18.0	18.1	18.1	18.8	20.2	21.8	22.3	21.4	20.5
15	20.8	19.9	18.8	18.0	18.1	18.1	19.1	20.5	22.0	22.3	21.3	20.3
20	20.7	19.6	18.6	18.0	18.1	18.3	19.3	20.8	22.2	22.2	21.2	20.1
25	20.4	19.5	18.4	18.0	18.1	18.4	19.6	21.1	22.3	21.9	21.1	20.0
Eom	20.1	19.3	18.3	18.0	18.1	18.6	19.8	21.2	22.3	21.6	20.9	19.8

1959

5	-19.4	-18.7	-17.9	-17.3	-17.0	-17.5	-19.2	....	-22.4	-23.6	-23.2	-21.6
10	19.4	18.5	17.8	17.2	17.1	17.6	19.7	....	22.7	23.6	22.9	21.4
15	19.3	18.4	17.6	17.2	17.1	17.9	19.8	....	22.9	23.7	22.7	21.2
20	19.2	18.0	17.6	17.2	17.2	18.1	19.9	....	23.2	23.7	22.5	21.0
25	19.1	17.9	17.6	17.1	17.2	18.4	20.3	....	23.4	23.5	22.0	20.8
Eom	18.9	17.9	17.4	17.1	17.3	18.8	20.6	-e22.2	23.6	23.3	21.8	20.3

1960

5	-20.1	-19.1	-18.3	-17.6	-17.4	-17.9	-18.9	-21.5	-23.1	-23.8	-22.9	-21.7
10	20.1	18.9	18.1	17.4	17.4	18.1	19.2	21.9	23.3	23.8	22.8	21.5
15	19.8	18.7	18.1	17.4	17.4	18.1	19.6	22.2	23.5	23.7	22.7	21.1
20	19.6	18.5	17.9	17.4	17.5	18.3	20.2	22.4	23.7	23.6	22.3	20.9
25	19.5	18.5	17.8	17.4	17.7	18.4	20.7	22.6	23.8	23.4	22.1	20.8
Eom	19.3	18.4	17.7	17.4	17.8	18.6	21.2	22.9	23.8	23.1	21.8	20.6

e Estimated.

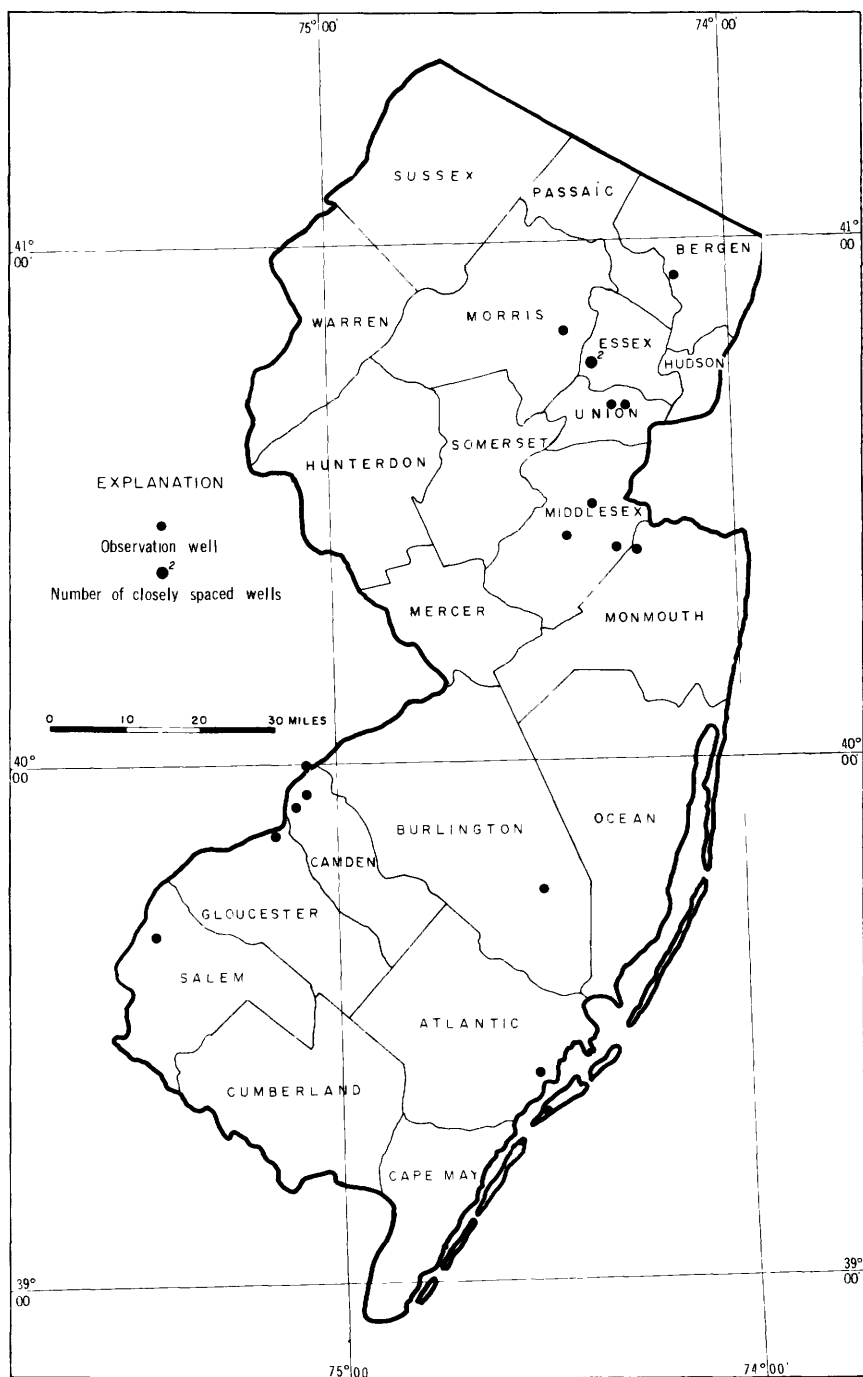


Figure 9. --Location of observation wells in New Jersey, 1958-62.

36. 13. 2. 9. 1--Continued.

1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-20.3	-19.1	-18.3	-17.4	-17.2	-17.4	-18.4	-20.7	-23.4	-24.5	-23.8	-22.3
10	20.2	18.8	18.0	17.4	17.3	17.5	18.7	21.3	23.7	24.5	23.5	22.1
15	20.0	18.7	17.9	17.2	17.3	17.6	19.1	21.8	24.0	24.5	23.3	21.8
20	19.6	18.7	17.9	17.2	17.3	17.7	19.5	22.3	24.2	24.4	23.0	21.4
25	19.5	18.5	17.7	17.2	17.3	17.9	19.8	22.7	24.3	23.9	22.6	21.1
Eom	19.4	18.4	17.5	17.2	17.8	18.1	20.3	23.1	24.5	23.8	22.4	20.9
1962												
5	-20.8	-19.6	-18.8	-18.3	-18.3	-19.2	-20.5	-22.8	....	-25.0	-24.0	....
10	20.5	19.5	18.1	18.3	18.3	19.5	20.7	22.9	....	24.9	....	-22.4
15	20.4	19.3	18.1	18.3	18.4	19.7	21.0	23.2	-24.9	24.8	....	22.2
20	20.2	19.1	18.2	18.2	18.5	19.9	....	23.4	25.1	24.7	....	22.1
25	20.1	19.0	18.2	18.2	18.6	20.1	....	23.8	25.2	24.5	....	21.7
Eom	19.8	18.9	18.3	18.3	18.9	20.3	22.4	24.0	25.1	24.3	e22.6	21.5

e Estimated.

36. 23. 1. 9. 6. Borough of Longport. Northwest end of 14th Ave. Lat 39°18'12", long 74°32'10". Drilled unused artesian well in 800-ft sand in Kirkwood Formation of Miocene age, diam 6 in, depth 803 ft, cased with steel, length of screen 50 ft. Lsd 5 ft above msl. MP top of casing, 4.07 ft above lsd. Highest water level 19.0 above msl, 1895; lowest 75.2 below msl, Sept. 2, 1962. Records available: 1924-62. Affected by tidal fluctuations.

Average water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-45.9	-43.7	-42.9	-41.2	-42.6	-46.4	....	-57.7	-59.8	-53.6	-48.8	....
10	44.9	44.0	42.0	42.1	42.8	49.5	-55.5	61.3	59.2	52.4	47.9	-45.2
15	....	....	....	41.8	43.2	50.3	54.6	59.6	....	52.2	47.7	44.1
20	44.5	43.5	40.2	42.4	44.0	50.4	56.4	60.0	57.5	51.7	47.3	43.8
25	43.0	....	41.7	42.6	44.5	50.4	....	60.7	55.7	50.1	46.5	43.8
Eom	....	42.5	41.0	43.0	46.0	52.4	57.3	59.4	54.8	50.3	47.1	43.3

1959												
5	-44.1	-41.1	-41.3	-40.4	-42.6	-49.9	-61.2	-61.9	-62.9	-59.8	-51.9	-47.6
10	....	40.9	40.4	....	44.7	54.2	....	60.0	64.3	58.2	51.2	48.2
15	42.6	41.2	....	....	44.9	54.4	58.5	62.5	63.7	55.9	50.0	47.1
20	42.8	41.9	41.0	41.1	46.0	53.1	58.6	62.9	63.2	55.5	....	46.1
25	42.5	41.2	40.4	42.1	49.1	57.6	58.4	61.8	62.9	53.5	48.9	46.2
Eom	41.6	41.1	39.9	41.6	51.2	59.7	60.7	62.3	e61.6	52.6	48.8	45.3

1960												
5	-45.7	-43.5	-41.9	-41.7	-46.1	-48.8	-59.8	-63.9	-65.8	-56.7	-52.2	-47.9
10	45.4	42.8	42.0	42.2	46.5	50.7	62.3	65.0	66.4	56.5	....	48.1
15	44.1	43.7	42.0	42.8	47.7	50.8	62.4	62.9	62.7	56.4	50.2	47.4
20	44.7	43.9	42.0	43.9	48.3	52.3	63.4	61.6	....	55.5	49.3	47.7
25	44.1	42.7	42.2	45.0	46.9	54.8	66.3	63.5	58.3	54.3	48.8	47.5
Eom	43.5	43.0	41.6	45.3	47.8	59.0	63.2	66.4	57.0	e51.6	48.4	46.6

	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
	1961											
5	-46.4	-44.2	-42.8	-42.8	....	....	-58.3	-62.1	-68.9	-59.6	-53.7	-49.4
10	45.8	44.8	....	....	....	....	57.8	65.4	68.9	59.1	52.1	48.8
15	44.1	44.9	....	42.5	....	....	58.2	67.8	67.4	57.6	51.8	49.2
20	43.9	44.7	....	....	....	....	58.2	69.0	62.7	55.5	51.1	47.1
25	....	43.4	....	....	....	....	61.0	66.3	61.2	53.7	50.1	47.3
Eom	44.8	43.3	42.7	....	....	-53.3	63.1	66.3	61.3	53.7	50.4	48.2

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
	1962											
5	-46.9	-44.2	-43.0	-49.9	-51.2	-57.9	-63.8	-68.9	-71.5	-61.6	-55.1	e50.1
10	47.1	....	....	48.9	52.6	59.0	66.7	68.2	71.3	59.8	....	e51.2
15	45.8	43.7	49.3	48.6	53.0	58.2	69.0	68.6	71.3	60.1	....	....
20	45.9	44.1	48.8	49.3	56.0	60.4	....	70.4	68.4	58.8	52.9	50.9
25	45.7	43.9	49.2	50.9	56.3	59.0	....	71.7	66.5	58.8	e53.3	49.3
Eom	45.3	43.4	49.6	51.7	57.2	60.5	e68.0	72.4	63.8	56.1	....	49.9

e Estimated.

Bergen County

26. 3. 1. 7. 3. City of Garfield. North St., East Paterson. Lat 40°54'37", long 74°07'25". Drilled unused artesian well in Brunswick Shale of Upper Triassic age, steel casing 0-30 extends 3 ft into sandstone of Triassic System, 30-353 open rock hole, diam 12 in, depth 353 ft. Lsd 65 ft above msl. MP top of casing, 1.63 ft above lsd. Highest water level 56.2 above msl, Mar. 8, 1926; lowest 18.1 below msl, Oct. 26-27, 1957. Records available: 1926-62.

26. 3. 1. 7. 3--Continued.

Lowest water level for the day, above and below msl, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-5.8	+1.8	-1.5	+6.4	+10.4	+8.7	+2.8	-3.2	-4.7	-12.0	-8.9	-8.5
10	5.2	2.7	+1.2	7.6	9.4	8.5	11.8	5.0	7.6	11.7	7.1	7.9
15	3.9	+8	1.9	8.3	9.9	8.2	2.2	5.8	9.7	11.3	6.3	7.2
20	2.8	-1	2.8	9.6	10.2	7.1	+1.5	1.2	10.6	11.8	6.6	7.6
25	-2.5	1.1	4.1	7.8	9.8	7.4	-1.6	2.5	11.6	-11.6	7.5	...
Eom	+6	-1.5	+6.0	+7.3	23.8	4.7	1.9	4.5	11.2	....	8.2	7.5

1959

5	....	-8.8	-9.2	-4.4	-3.1	-3.4	-1.0	....	-6.9	....	-5.6	-7.1
10	-7.8	9.0	8.1	....	3.1	4.7	2.9	....	6.7	....	5.4	6.3
15	7.7	9.3	8.0	e3.5	4.3	2.0	....	....	6.5	....	5.6	4.5
20	7.9	9.4	6.9	2.6	4.5	1.3	....	....	7.8	....	7.8	5.1
25	8.0	9.2	6.6	3.2	3.5	2.4	....	....	10.3	....	6.6	4.0
Eom	8.6	9.0	4.5	3.2	6.7	4.3	....	e-6.6	....	-6.9	5.5	2.6

1960

5	-0.6	-1.0	+3.6	....	+2.3	....	....	....	....	....	....	+5.2
10	-4	-1.3	4.7	....	2.1	....	....	....	....	....	....	1.8
15	0.0	....	4.4	+4.8	+1.7	....	....	-3.3	....	....	....	1.3
20	-5	....	4.0	6.0	-4	e-2.3	....	....	....	....	+11.5	.9
25	+2	....	2.5	6.6	-2	....	-0.8	....	....	....	6.0	....
Eom	+1	....	2.1	3.2	+8	....	....	....	....	....	6.3	+2

1961

5	-0.2	-3.6	+5.6	+10.7	+11.2	....	+5.7	-0.6	-4.2	-6.4	-8.4	-10.5
10	3.2	3.4	6.2	9.9	10.9	+10.7	4.5	1.3	4.8	6.6	8.7	9.9
15	4.0	3.9	6.7	11.1	11.0	5.6	6.1	1.7	5.6	6.8	8.8	11.0
20	3.5	2.1	8.4	9.5	11.0	5.0	+3.2	2.3	5.7	7.4	9.2	10.4
25	3.5	-2.4	8.6	11.4	10.9	7.4	-2	4.5	5.1	7.8	8.8	10.9
Eom	2.6	+8	10.6	12.4	11.0	4.6	.2	4.4	6.4	7.8	10.0	10.9

1962

5	-9.5	-4.6	-4.8	....	....	-1.5	-5.2	-9.0	-9.1	-10.2	-7.4	-2.7
10	9.4	5.6	3.1	....	....	2.5	6.0	10.0	9.1	9.2	7.6	....
15	8.0	5.8	1.9	+4.9	+1.8	3.2	3.9	10.3	10.0	9.2	6.8	2.1
20	7.1	5.8	....	4.9	+2	4.2	6.7	10.5	10.2	8.8	5.7	2.6
25	5.9	6.4	....	4.6	-1	4.7	7.4	10.4	9.8	8.3	4.6	1.9
Eom	5.1	6.5	....	3.7	.6	5.4	8.3	10.1	9.2	7.3	4.2	1.8

e Estimated.

Burlington County

32. 23. 6. 6. 8. U.S. Geol. Survey. Penn State Forest. Lat 39°44'48", long 74°28'20".

Drilled observation water-table well in Cohansay Sand of Miocene(?) and Pliocene(?) age, diam 6 in, depth 10 ft, cased with steel. Lsd 79 ft above msl. MP edge of 6-in coupling, 0.11 ft above lsd. Highest water level 79.11 above msl (flowing), several times, 1959-62; lowest 73.15 above msl, Sept. 7-10, 1957. Records available: 1936-62.

End-of-day water level, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+77.16	+77.71	e78.14	e78.08	+78.51	+77.54	e77.25	+77.33	+77.56	+77.83	e78.22	+77.98
10	77.08	e77.93	77.98	e78.17	78.07	77.38	e78.17	76.99	77.33	77.62	e77.79	77.65
15	78.17	e77.66	78.29	e78.26	77.90	77.25	e76.22	77.42	77.09	77.45	e77.85	e77.58
20	e77.92	e77.83	78.63	e77.89	78.28	77.26	e77.19	77.31	77.00	e77.30	77.72	77.58
25	e78.47	e77.43	78.45	e78.16	78.30	77.26	e77.71	78.70	77.27	e78.58	77.56	e77.48
Eom	77.85	e78.39	e78.55	e78.66	77.66	e77.57	77.95	77.87	77.77	e78.34	77.90	e77.79

1959

5	e77.79	e77.90	+77.35	+77.81	+77.35	+76.98	+75.84	+78.07	+77.59	+76.05	+76.50	+77.13
10	77.53	e77.84	77.73	77.76	77.16	76.53	77.60	77.89	77.10	75.95	77.06	e77.47
15	e77.45	e77.95	77.78	77.71	77.66	76.74	78.51	77.38	76.75	76.72	77.19	e77.60
20	e77.44	77.50	77.57	77.74	77.35	76.40	78.51	77.09	76.48	76.42	77.01	77.37
25	e77.30	77.43	77.51	77.48	77.01	e76.15	78.01	77.26	76.25	e76.32	77.70	77.52
Eom	e77.65	77.38	77.87	77.58	76.73	75.99	77.82	76.92	76.28	e76.45	77.30	77.67

1960

5	+77.74	+77.39	+77.80	e78.30	e77.33	+76.93	+75.84	e76.70	+76.88	+77.27	+77.34	+76.94
10	77.48	77.59	77.73	e77.75	e77.14	76.63	75.56	e76.58	76.50	77.08	77.47	76.83
15	78.06	77.77	e77.79	77.68	e77.12	76.80	76.32	e76.48	77.70	76.94	e77.25	76.80
20	77.72	77.98	e78.06	77.56	77.17	76.67	75.83	77.21	78.45	78.17	77.07	76.95
25	77.47	78.28	e77.93	77.39	77.58	76.35	75.39	76.65	77.48	77.30	76.97	77.34
Eom	77.56	77.94	e78.32	77.29	77.20	76.03	e77.13	77.24	77.81	77.39	77.13	77.73

e Estimated.

32. 23. 6. 6. 8--Continued.

1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+77.74e	+78.04e	+77.62	+77.95e	+78.00	+77.36	+77.04e	+76.57	+78.38	+77.68	+76.79	+76.87
10	77.58	e77.99	e78.02	e78.42	77.76	77.79	77.23	76.31	76.73	77.24	76.71	76.79
15	77.82	e77.98	e78.35	e78.41	77.93	78.27	77.24	76.05	77.74	77.35	76.80	77.17
20	77.69	78.06	e78.39	e78.18	77.77	77.53	77.17	75.81	77.05	77.06	77.25	77.66
25	77.42	e78.00	78.27	e77.94	77.53	77.64	76.72	77.49	77.17	77.22	77.28	77.54
Eom	77.32	e77.80	e77.95	e77.83	77.63	77.40	76.74	76.87	76.78	76.96	76.99	77.32
1962												
5	+77.36e	+77.55	+77.75	+77.92	+77.46	+76.68	+76.46	+76.27	+77.75	+77.51	+77.57e	+77.42
10	77.92	77.54	78.27	78.12	77.28	76.42	76.14	e78.90	77.33	77.86	78.03	77.68
15	78.21	77.49	78.17	78.08	77.18	77.68	75.87	e77.96	77.00	77.34	77.50	77.42
20	77.72	77.90	77.97	77.84	77.04	77.27	75.75	e76.70	76.94	77.13	77.61	77.34
25	77.68	77.97	78.03	77.65	77.37	77.33	76.71	e76.33	76.73	76.98	77.80	77.72
Eom	77.54	78.14	77.90	77.51	76.95	76.86	76.73	e78.04	77.48	76.98	e77.58	77.60

e Estimated.

Camden County

31.1.3.9.9. Cities Service Oil Co. Pettys Island. Lat 39°58'03", long 75°06'05". Drilled unused artesian well in sand of Raritan Formation of Upper Cretaceous age, diam 8 in, depth 143 ft, cased with steel. Lsd 12 ft above msl. MP top of casing, 0.35 ft above lsd. Highest water level 5.6 above msl, Dec. 8, 1950, Mar. 11, 1952; lowest 4.8 below msl, Feb. 12, 1951. Records available: 1949-62. Reflects tidal fluctuations.

Lowest water level for the day, above and below msl, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-1.4	-1.1	-0.2	+1.3	+0.3	-0.1	-0.1	-0.2	-0.6	+0.3	+0.5	+0.7
10	.7	2.6	+1	.5	+4	.6	.1	.6	.6	+2	+1	-1.1
15	.2	...	+1	.5	0.0	.4	.3	.7	.7	-.2	-.2	1.3
20	1.2	1.8	0.0	.7	-.1	.1	.6	.7	.3	+2	.1	1.3
25	-.1	-.6	+1	+1	0.0	.1	.2	.5	-.4	+4	.8	1.0
Eom	+1	+6	.9	0.0	-.2	.3	.4	.5	+2	-.1	-1.7	.2
1959												
5	-1.9	-0.6	-0.9	...	0.0	-0.3	-0.4	-0.4	-0.6	-0.4	-0.2	0.0
10	1.7	.3	.1	-0.4	-.1	.5	.6	0.0	.7	.5	.2	-1.0
15	.4	.3	.8	0.0	.2	1.2	.3	-.8	.3	.3	.5	e.4
20	.9	1.7	.9	+2	.6	.4	.3	.8	.6	-.5	-.9	...
25	.8	1.1	-.8	-.1	.6	.4	.6	.5	.8	+6	0.0	...
Eom	.9	.7	+1	2.0	.5	.5	.3	.4	.3	-.3	-.4	.2
1960												
5	-0.1	-0.2	+0.2	...	-0.4	-0.1	-0.8	-0.7	-0.7	-0.4	...	...
10	-.6	0.0	...	...	.1	-.4	.9	.6	.8	.5	...	...
15	+5	-1.4	e-.7	...	-.2	0.0	.7	.8	.5	.4	...	...
20	-1.1	...	.4	-0.8	0.0	-.5	1.7	.5	-.1	.8	...	...
25	.5	...	1.7	+1	+1	.9	.8	...	...	-1.5	...	...
Eom	.2	...	...	0.0	+3	.7	.8	.8	+1	+5	...	...
1961												
5	...	...	...	...	...	-0.3	-0.6	-0.1	...	-0.6	...	...
10	...	...	...	...	0.0	.4	.4	.3	...	-.4	...	...
15	...	...	...	...	+3	.5	.1	.3	-0.9	...	...	...
20	...	...	...	...	0.0	.2	0.0	.6	-.3	0.0	...	...
25	...	...	...	...	-.1	.2	-.2	.6	0.0	...	...	...
Eom	...	...	...	...	.5	.6	0.0	.6	-.6	...	...	...
1962												
5	...	+0.2	+0.3	+0.1	-0.1	0.0	+0.1	+0.4	+0.7	+0.4	+0.6	+0.9
10	...	-.7	.6	+5	-.2	-.3	-.4	+6	+2	.8	1.5	+1
15	+0.7	.4	+4	0.0	0.0	.2	1.0	-.1	-.3	.5	.3	-.7
20	-.7	...	...	0.0	...	.3	-1.1	0.0	-.6	+8	+8	.2
25	...	-.4	...	-.2	-.4	.2	0.0	-.2	+6	-.1	-.2	.8
Eom	-1.2	+1.0	0.0	.1	.4	-.1	+4	+4	.5	+2	+4	e4.4

e Estimated.

31.1.6.4.8. Esterbrook Pen Co. Cooper St. and Delaware Ave., Camden. Lat 39°56'49", long 75°07'43". Drilled unused artesian well in Wissahickon Formation of lower Paleozoic(?) age, diam 6 in, depth 300 ft, cased with steel. Lsd 8 ft above msl. MP floor of building, 0.18 ft above lsd. Highest water level 3.48 above msl, Nov. 25, 1950; lowest 13.21 below msl, Feb. 4-5, 1955. Records available: 1950-62. Reflects earthquake fluctuations.

31. 1. 6. 4. 8--Continued.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	-8.45	....	-6.75	-7.81	-8.15	-8.05	-8.57	....	-8.07	-7.77	-7.51
10	-8.76	8.89	....	7.44	7.89	e8.32	7.92	9.44	....	8.00	7.19	8.24
15	8.45	9.27	-7.70	7.54	8.04	8.90	7.84	9.51	-9.38	8.07	7.69	7.93
20	9.02	....	7.61	7.70	8.09	8.53	8.50	....	9.61	7.69	....	8.55
25	8.66	8.80	7.89	....	....	7.83	....	....	8.94	....	7.91	8.72
Eom	....	8.72	7.22	7.84	8.09	8.22	8.57	9.70	8.51	7.59	....	....

1959

5	....	-8.99	-7.95	-7.24	-6.82	-8.15	-8.25	-8.20	-9.24	-7.91	-7.72	-6.95
10	-9.07	8.89	7.55	7.74	7.52	8.32	8.09	8.15	9.01	8.07	7.14	7.56
15	8.84	....	8.16	7.32	7.23	8.50	7.80	8.95	8.54	7.86	7.46	7.41
20	9.05	8.66	8.14	7.34	7.32	8.02	7.57	9.11	8.48	7.47	7.75	7.39
25	9.31	8.27	7.88	7.49	8.14	8.13	....	8.96	8.47	6.74	7.11	7.34
Eom	9.28	8.19	7.06	6.80	8.35	8.33	....	9.09	8.28	7.50	7.21	6.81

1960

5	-6.97	-7.59	-8.14	....	-7.79	....	-8.66	....	-9.76	-7.99	-7.86	....
10	7.77	7.50	8.22	....	7.29	-8.10	8.58	....	9.81	....	....	-7.65
15	7.25	7.85	8.15	....	7.61	7.73	....	....	....	8.14	7.69	7.57
20	7.72	8.25	7.84	-7.95	7.74	8.15	8.11	-9.57	....	7.90	7.74	7.64
25	7.94	7.93	8.48	7.56	....	8.49	8.36	9.81	8.34	8.22	....	....
Eom	7.68	8.00	7.83	....	....	8.80	....	9.81	7.84	7.47	....	....

1961

5	-7.51	-7.84	-8.20	-7.49	-7.66	-7.45	-7.34	-7.38	....	-7.10	-6.51	-6.28
10	7.98	7.64	7.81	7.87	....	7.76	7.11	7.56	....	6.63	6.57	7.17
15	7.57	7.82	7.72	7.40	7.79	7.82	7.21	7.64	-9.04	6.46	6.31	6.70
20	7.25	7.80	7.94	7.25	7.61	7.40	6.72	8.07	8.00	6.25	6.55	6.06
25	7.83	....	....	7.26	7.59	7.74	6.66	....	7.39	5.29	6.32	6.52
Eom	7.64	....	7.67	7.70	7.70	7.63	6.92	....	7.57	6.26	6.78	6.97

1962

5	-6.81	....	-6.65	-5.68	-5.71	....	-6.33	....	....	....	-5.00	-4.75
10	6.64	-6.46	5.53	5.13	e5.68	-6.73	6.50	....	....	....	....	....
15	6.64	6.39	5.62	5.40	e5.63	....	7.03	-6.02	-6.90	-5.28	4.95	....
20	7.27	6.34	5.79	5.50	6.14	....	6.78	6.65	6.54	5.11	4.78	5.56
25	....	6.49	....	5.39	6.35	....	....	....	....	5.42	5.28	e5.55
Eom	6.78	5.92	5.83	5.82	6.12	....	....	....	....	5.53	5.07	5.45

e Estimated.

31. 2. 5. 2. City of Camden. Morris Station. Lat 39°59'20", long 75°03'05". Drilled unused artesian well in sand of Raritan Formation of Upper Cretaceous age, diam 6 in, depth 103 ft, cased with steel. Lsd 6 ft above msl. MP top of casing, 0.81 ft above lsd. Highest water level 0.3 below msl, Mar. 19, 1936; lowest 35.84 below msl, June 14, 1926. Records available: 1924-42, 1945-61. No measurement made in 1962. Affected by pumping in nearby well field.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-10.4	-9.0	-8.1	-3.5	-6.5	-8.0	-8.0	-8.4	-8.6	-8.0	-7.3	-7.2
10	9.9	9.6	8.3	6.5	6.3	8.1	7.6	...	8.7	6.4	7.4	7.9
15	9.7	9.7	7.9	6.7	4.8	8.1	8.1	...	8.9	6.3	7.9	6.6
20	10.1	9.9	7.4	6.3	4.7	8.2	8.2	...	8.7	8.5	8.0	6.9
25	9.2	9.7	4.2	7.3	7.5	8.3	7.9	...	8.9	7.8	8.1	6.8
Eom	8.8	8.5	6.6	7.0	7.8	8.1	7.3	...	8.5	7.0	7.1	6.7

1959

5	....	-7.1	....	-10.1	-13.6	-10.5	....	-9.1	-8.2	-8.1	-8.1	-8.5
10	-7.2	....	....	11.2	9.8	10.5	-9.9	....	8.3	8.8	8.5	8.9
15	6.6	....	-10.5	11.0	9.4	9.7	9.7	9.4	7.9	8.2	8.1	8.4
20	7.3	....	10.9	10.8	10.5	10.2	9.5	9.5	8.0	8.7	8.9	8.0
25	6.5	....	10.8	10.5	13.1	10.3	9.8	9.2	8.7	8.2	8.5	8.3
Eom	7.3	....	10.9	10.7	10.0	9.9	9.7	8.5	8.4	8.6	8.5	8.0

1960

5	-7.7	-7.3	....	....	....	-4.9	-5.2	-7.8	-6.2	....	-5.8	-6.2
10	7.5	7.3	....	....	-6.7	7.3	4.9	7.6	6.7	....	6.6	6.0
15	7.7	7.7	....	-6.4	4.6	7.1	6.7	6.6	....	-6.1	8.0	6.8
20	8.0	7.3	....	6.0	7.0	6.6	7.3	7.3	....	7.0	4.6	....
25	7.5	7.1	....	....	6.9	7.3	6.6	7.4	....	6.5	9.3	....
Eom	6.9	7.1	....	....	6.1	7.5	5.1	7.7	....	4.3	6.8	....

31. 2. 2. 5. 2--Continued.

1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	-5.4	-4.6	....	....	....	....	....	....	....	....	....
10	....	5.7	4.1	....	....	....	....	....	....	....	....	....
15	-5.5	....	....	....	....	....	....	....	....	....	....	....
20	7.3	5.6	....	....	....	....	....	....	....	....	....	....
25	6.3	5.6	....	....	....	....	....	....	....	....	....	....
Eom	6.0	5.1	....	....	....	....	....	....	....	....	....	....

Essex County

25. 15. 7. 5. 4. (Well 30.) Commonwealth Water Co. About 0.3 mi north of Canoe Brook pumping station. Near Chatham. Lat 40°44'53", long 74°21'20". Drilled unused artesian well in Wisconsin Drift, diam 10 in, depth about 130 ft, cased with steel. Lsd 170.0 ft above msl. MP top of casing, 4.55 ft above lsd. Highest water level 162.8 above msl, Aug. 25, 1931; lowest 92.0 above msl, June 29, 1960. Records available: 1925-62. Affected by near-by pumping.

Lowest water level for the day, above msl, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+123.4	+123.5	....	+128.0	....	....	+109.6	....	....	....	+114.4
10	123.9	125.9	+142.2	121.3	....	....	....	....	....	....	....
15	110.9	125.0	144.8	122.5	....	....	....	+101.4	....	....	113.3
20	108.6	123.8	....	....	+129.8	....	110.6	102.6	....	....	113.0
25	106.3	125.2	127.2	127.9	113.4	+119.8	112.9	....	+103.1	....	114.5
Eom	117.9	140.0	127.5	128.7	114.5	109.5	111.5	....	....	+115.5	114.6

1959

5	+114.3	+111.8	+116.1	+111.6	....	+113.7	+107.7	....	....	+108.7	....	....
10	....	....	117.6	....	....	....	101.1	....	....	h112.4	....	h109.7
15	....	118.6	121.4	....	....	120.0	127.4	....	+108.6	h115.8	h106.4	....
20	116.8	e113.3	110.6	112.7	....	121.8	121.3	....	110.7	....	h111.8	....
25	111.4	119.6	113.4	105.4	+120.1	....	124.0	+115.6	103.2	....	h105.1	....
Eom	112.2	118.2	115.2	115.2	106.8	127.4	118.0	123.0	....	....	e109.2	h113.8

1960

5	h107.8	h115.0	h114.5	h104.9	+97.6	+97.2	+102.1	....	+100.2	+95.5	h98.1	+95.4
10	h111.7	h118.6	h110.8	h110.4	97.8	94.0	93.7	....	99.0	94.6	h98.6	96.2
15	h109.6	h117.9	h107.2	104.9	96.0	97.5	....	+102.8	103.6	h93.5	h93.8	95.9
20	h109.6	109.2	h109.4	109.2	96.1	94.1	100.6	103.5	101.5	h93.2	95.5	....
25	h114.5	h108.1	102.7	99.5	97.9	93.0	93.3	95.9	110.0	93.8	h96.0	95.8
Eom	h110.8	h116.9	h107.4	103.8	97.6	92.3	99.2	95.4	98.4	h96.2	96.0	96.3

1961

5	....	....	+97.2	+97.4	+96.2	+96.4	+97.0	+96.0	+96.0	+96.2	+96.2	+95.6
10	+96.1	+96.5	97.3	97.6	....	96.3	96.8	94.9	95.8	....	95.9	95.4
15	96.1	96.7	97.4	98.2	101.4	96.4	105.6	96.5	95.9	96.4	95.0	95.3
20	96.6	96.6	97.2	97.1	96.8	96.8	96.7	96.6	97.0	96.2	95.5	....
25	96.1	97.8	96.9	97.4	96.6	98.6	96.4	96.5	96.3	96.4	95.1	....
Eom	96.0	96.8	97.4	97.8	96.9	96.2	96.5	96.6	95.9	100.5	95.0	99.3

1962

5	+99.4	+100.6	+101.3	+97.5	+96.5	+96.5	+95.8	+98.3	....	+97.5	+97.8	+99.0
10	100.3	100.1	98.6	97.4	97.2	95.7	95.7	98.0	+97.0	97.8	98.1	98.5
15	100.7	....	....	97.4	96.3	97.5	97.0	97.4	97.1	98.0	97.9	98.5
20	99.8	....	97.4	97.8	96.3	96.3	97.2	97.8	97.7	98.0	98.4	98.6
25	99.6	100.1	97.2	96.9	97.5	98.2	97.6	97.2	97.8	98.6	98.6	....
Eom	100.2	101.0	97.3	96.3	96.8	96.2	97.4	96.8	97.9	98.9	98.6	98.8

e Estimated.

h Tape measurement.

25. 15. 7. 5. 9. East Orange Water Dept. North side Canoe Brook below Personage Hill Rd. Lat 40°44'50", long 74°20'47". Drilled unused artesian well in Wisconsin Drift, diam 6 in, depth about 64 ft, cased with steel. Lsd 182 ft above msl. MP top of casing, 0.87 ft above lsd. Highest water level 174.80 above msl, Oct. 25, 1927; lowest 123.60 above msl, Dec. 9-10, 1961. Records available: 1925-62.

Lowest water level for the day, above msl, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+133.90	+133.60	+130.30	+140.65	+142.90	....	+130.10	+130.95	+132.15	+131.90	+130.45	+134.75
10	130.30	136.75	140.10	147.90	137.55	....	132.65	130.60	137.85	129.95	130.80	133.55
15	130.25	133.35	132.65	150.15	....	....	....	130.75	132.30	130.05	131.90	133.60
20	133.85	129.90	131.85	148.15	136.80	+141.50	135.30	131.45	133.80	129.80	133.70	133.75
25	131.00	127.65	139.15	135.50	139.30	137.15	130.65	136.75	131.10	131.05	131.45	....
Eom	132.60	127.10	146.15	138.50	139.65	136.30	130.45	135.50	130.10	130.35	136.85	....

25. 15. 7. 5. 9--Continued.

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	+135.10	+135.70	+133.95	+132.95	+135.35	+140.30	+134.65	+132.80	+133.95	+128.55	+134.60
10	+134.80	134.80	136.20	133.40	133.05	138.30	129.45	140.40	130.05	133.95	131.60	137.70
15	135.40	137.45	139.10	133.95	134.80	144.00	137.70	.....	131.25	131.85	132.10	.....
20	135.00	137.10	138.35	134.35	134.00	142.25	140.50	.....	.....	131.00	.....	.....
25	134.60	139.10	134.30	132.70	137.15	141.40	134.15	.....	.....	133.95	134.60	.....
Eom	134.65	140.60	134.10	133.70	133.20	134.55	135.40	140.50	130.25	129.45	133.55	134.85

1960												
5	+133.90	+131.95	+133.10	+134.10	.....	+125.80	+131.75	.....	.....	+125.90	.....	.....
10	134.80	141.20	134.20	131.65	.....	127.65	125.65	.....	.....	.....	.....	.....
15	133.10	140.85	135.45	130.50	.....	130.45	129.05	.....	.....	.....	.....	.....
20	134.40	138.70	134.55	131.55	.....	128.30	127.35	.....	.....	.....	.....	.....
25	.....	136.70	129.20	.....	.....	125.75	.....	.....	.....	+125.55	.....	.....
Eom	.....	135.85	130.80	.....	+129.60	126.00	.....	.....	.....	125.85	.....	+127.30

Item	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
	1961												
5	+125.40	+126.35	+125.50	+125.70	.....	+125.90	+126.60	+131.80	+125.90	+125.20	+125.15	+124.35	
10	125.35	125.25	126.95	126.80	.....	126.80	125.80	133.40	128.35	124.65	124.15	123.60	
15	126.80	125.55	126.40	125.95	.....	125.35	127.25	125.90	126.50	128.30	123.75	124.65	
20	125.90	126.10	125.95	125.85	+127.80	125.35	126.00	125.75	125.95	124.70	124.65	127.60	
25	124.60	125.80	125.30	125.85	126.15	126.50	126.20	125.75	125.55	124.70	124.20	129.30	
Eom	124.80	125.40	125.60	129.00	126.85	127.70	126.55	126.60	125.55	126.80	127.15	127.25	

1962												
5	+128.95	+126.25	+126.10	+125.10	+129.75	+125.00	+126.00	+126.00	+125.40	+125.15	+127.85	+129.45
10	128.70	126.50	126.05	125.45	130.05	124.60	124.50	125.40	125.05	125.25	127.90	128.00
15	126.95	129.10	127.15	128.60	128.30	124.70	125.65	125.75	124.80	125.20	137.00	.....
20	126.00	129.50	127.70	128.50	127.90	124.50	127.00	125.40	125.10	126.00	127.20	.....
25	126.75	126.35	127.55	129.10	125.85	125.30	125.95	124.80	126.05	125.40	129.90	.....
Eom	126.60	126.70	128.20	.....	.....	124.70	125.60	124.80	127.65	128.35	127.50	129.95

e Estimated.

Gloucester County

31. 11. 2. 7. 2. (Well 3.) The Texas Co. Eagle Point, Westville. Lat 39°52'30", long 75°09'40". Drilled observation artesian well in Raritan and Magothy Formations of Upper Cretaceous age, diam 8 to 6 in, depth 298 ft, cased with steel, 8-in 0-86, 6-in 86-245, screened 225-245, open hole 245-298, cased to rock. Lsd 22 ft above msl. MP top of casing, 1.9 ft above lsd. Highest water level 15.7 below msl, Nov. 25, 1950; lowest 61.19 below msl, Sept. 29, 1961. Records available: 1949-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-43.6	.....	-48.4	-43.6	-45.4	-52.6	.....	-46.8	-48.8	-44.3	-37.1	.....
10	46.1	.....	45.0	46.2	48.2	49.1	.....	46.1	49.8	45.6	42.6	-44.7
15	45.9	-47.8	44.5	42.7	.....	49.0	-49.6	47.4	49.7	45.8	47.2	45.0
20	44.4	48.0	43.4	43.1	49.4	49.6	50.1	47.5	49.2	42.7	43.1	45.8
25	46.8	49.3	44.5	44.9	46.2	48.6	48.9	46.9	49.5	45.3	46.0	41.7
Eom	47.8	49.0	42.2	47.5	48.2	.....	49.8	.....	.....	46.7	.....	44.0

	1949	1950	1951	1952	1953	1959						
5	-44.4	-42.5	-46.4	-36.4	-42.4	....	-51.7	-49.4	....	-45.0	-45.4	....
10	....	44.9	45.5	37.4	41.6	-51.3	52.7	48.4	....	44.0	45.9	-46.9
15	47.2	45.7	....	e37.5	....	49.4	51.7	51.8	-47.4	43.2	....	46.4
20	47.3	48.4	....	43.3	42.7	49.4	50.5	51.5	47.7	41.9	45.7	48.9
25	46.2	48.0	37.6	45.4	46.3	49.7	....	49.7	50.4	44.1	45.1	46.7
Eom	46.3	47.7	36.7	41.9	49.8	52.6	50.3	50.2	49.8	45.1	40.9	....

1960												
5	-46.5	....	-45.9	-45.7	-37.6	-48.9	....	....	-54.5	-55.6	-53.0	-49.4
10	....	-53.4	....	46.7	36.1	45.6	-49.1	....	56.7	....	51.5	49.5
15	....	....	46.7	48.3	37.3	44.8	51.1	....	52.0	52.7	....	48.5
20	47.6	46.8	44.9	47.7	38.0	45.0	56.2	....	53.8	54.1	....	49.3
25	....	....	48.9	....	45.3	47.3	53.8	-59.6	51.1	51.9	....	45.7
Eom	....	45.4	46.4	e36.6	48.1	e51.7	....	58.4	55.1	50.0	49.5	47.2

1961												
5	-50.4	-50.6	-48.3	....	-45.8	-49.5	-49.8	-52.3	-57.0	-57.3	-57.2	....
10	51.4	53.4	49.5	-48.0	....	50.9	55.9	56.2	56.6	....	57.1	-48.4
15	51.3	51.8	....	45.7	45.2	52.2	55.9	56.3	57.7	46.0	49.4	49.3
20	52.0	....	48.5	46.8	45.7	....	55.4	54.8	55.1	46.9	47.1	....
25	....	e47.8	49.2	47.6	46.8	36.6	56.4	54.8	59.4	45.5	47.7	....
Eom	50.5	48.9	....	....	47.8	....	54.8	....	61.0	46.1	....	49.1

e Estimated.

31. 11. 2. 7. 2--Continued.

1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-51.7	....	-55.0	-54.1	-45.4	-52.2	....	-53.9	-51.6	-50.6	-52.4	-52.1
10	53.4	....	54.5	52.9	45.4	....	....	54.8	49.5	....	52.2	....
15	52.7	-54.4	54.6	48.3	47.6	....	-56.2	57.2	....	45.3	53.6	51.9
20	50.3	55.3	54.0	42.3	49.9	57.0	54.7	52.8	....	44.9	51.4	53.8
25	....	53.5	50.5	43.2	49.7	55.0	....	55.1	48.9	45.0	48.2	53.8
Eom	53.5	55.8	54.6	41.0	52.4	....	55.9	54.9	....	47.1	53.1	56.4

Middlesex County

28. 4. 4. 2. 1. Robert D. Fischer. Hoeyes Corner Rd. Lat 40°25'50", long 74°27'17". Dug observation water-table well in Farrington Sand Member of Raritan Formation of Upper Cretaceous age, diam 4½ ft, depth 17 ft, cased with concrete well blocks. Lsd 73 ft above msl. MP angle iron at bottom of doors of shelter, 1.70 ft above lsd. Highest water level 64.12 above msl, Apr. 26-27, 1939; lowest dry at 56.08 above msl, Nov. 3-Dec. 31, 1957. Records available: 1936-62.

End-of-day water level, above msl, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+56.19	+57.36	+58.10	+59.55	+60.62	+60.93	+60.19	+59.48	+58.79	+58.14	+58.17	+58.04
10	56.30	57.54	58.28	60.05	....	60.81	60.11	59.37	58.67	58.04	58.19	57.98
15	56.49	57.67	58.45	60.29	....	60.71	59.98	59.25	58.55	57.97	58.20	58.03
20	56.53	57.73	58.56	60.44	....	60.56	59.85	59.13	58.46	57.86	58.18	58.01
25	56.79	57.77	58.75	60.45	....	60.44	59.75	59.08	58.37	57.87	58.09	57.97
Eom	57.13	57.95	59.29	60.53	....	60.31	59.62	58.91	58.26	58.11	58.05	57.93

1959

5	+57.94	+57.82	+57.73	+58.07	+58.31	+58.19	+57.79	+57.60	+57.53	+57.20	+56.79	+56.47
10	57.92	57.82	57.75	58.13	58.31	58.14	57.72	57.68	57.49	57.15	56.73	56.48
15	57.92	57.77	57.81	58.20	58.33	58.11	57.66	57.66	57.44	57.07	56.66	56.52
20	57.84	57.74	57.87	58.27	58.29	58.06	57.59	57.67	57.38	57.00	56.60	56.62
25	57.84	57.72	....	58.29	58.23	57.93	57.70	e57.64	57.32	56.95	56.56	56.70
Eom	57.76	57.72	....	58.32	58.20	57.86	57.65	e57.58	57.26	56.86	56.52	56.80

1960

5	+56.92	+57.71	+58.50	+58.88	+59.18	+58.86	+58.46	+58.43	+58.23	+59.10	+58.70	+58.41
10	57.09	57.78	58.67	58.95	59.18	58.79	58.37	58.44	58.19	59.08	58.64	58.38
15	57.26	57.82	58.74	59.06	59.12	58.74	58.34	58.41	58.73	59.00	58.56	58.31
20	57.38	57.97	58.80	59.14	59.02	58.66	58.21	58.40	58.90	58.95	58.54	58.26
25	57.49	58.18	58.78	59.20	58.98	58.58	58.10	58.29	58.99	58.87	58.50	58.20
Eom	57.64	58.32	58.84	59.20	58.92	58.52	58.40	58.31	59.07	e58.77	58.47	58.18

1961

5	+58.24	+58.46	+59.14	+60.50	+61.18	+60.87	+60.16	+60.13	+59.92	+59.40	+58.79	+58.33
10	58.33	58.49	59.31	60.56	61.17	60.78	60.08	60.17	59.84	59.34	58.69	58.27
15	58.42	58.41	59.49	60.77	61.18	60.65	60.08	60.16	59.79	59.31	58.60	58.19
20	58.44	58.53	59.69	60.96	61.12	60.55	59.93	60.11	59.68	59.12	58.53	58.18
25	58.45	58.77	60.04	61.15	61.06	60.44	59.80	60.13	59.61	59.02	58.45	58.15
Eom	58.49	58.92	60.36	61.18	60.95	60.31	60.04	60.02	59.50	58.92	58.37	58.14

1962

5	+58.11	+58.83	+58.97	+59.85	+60.27	+59.76	+59.62	+59.12	+58.54	+58.04	+57.66	+58.00
10	58.44	58.72	59.01	59.99	60.18	59.64	59.52	59.07	58.43	57.92	57.77	58.05
15	58.66	58.66	59.34	60.08	60.09	59.59	59.42	58.94	58.31	57.84	57.65	58.08
20	58.75	58.60	59.53	60.17	60.04	59.48	59.32	58.83	58.20	57.79	57.70	58.07
25	58.82	58.75	59.67	60.24	59.96	59.75	59.44	58.72	58.10	57.73	57.75	58.08
Eom	58.82	58.88	59.76	60.26	59.84	59.69	59.22	58.61	58.05	57.68	57.89	58.07

e Estimated.

28. 5. 4. 8. 1. (Well 1.) Duhernal Water System. About ¼ mi east of traffic circle on Rt. 18 near Old Bridge. Lat 40°24'32", long 74°21'07". Drilled observation water-table well in Old Bridge Sand Member of Raritan Formation of Upper Cretaceous age, diam 6 in depth 67 ft, cased with steel. Lsd 18.7 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 7.67 above msl, July 31, 1945; lowest 2.35 above msl, Sept. 11, 1954. Records available: 1938-62.

End-of-day water level, above msl, from recorder graph, 1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.01	....	....	....	+6.91	+6.55	+6.77	+5.36	+4.95	+4.67	+5.35	+5.02
10	5.10	+5.86	....	....	7.05	6.38	5.67	5.24	4.85	4.63	5.41	4.89
15	5.26	5.85	....	+7.34	7.04	6.23	5.60	5.20	4.82	4.61	5.34	4.90
20	5.46	5.64	+6.41	7.22	6.97	6.15	5.53	5.16	4.82	4.55	5.20	4.80
25	5.71	5.54	6.58	6.98	6.81	6.03	5.42	5.10	4.75	4.83	5.03	4.75
Eom	5.99	5.90	7.08	6.89	6.71	5.90	5.41	5.07	4.73	5.24	4.95	4.81

28. 5. 4. 8. 1--Continued.

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.80	+4.42	+4.35	+4.93	+5.00	+4.67	+4.37	....	+5.08	+4.62	+4.41	+4.44
10	4.64	4.46	4.51	4.93	4.89	4.55	4.32	....	4.97	....	4.48	4.33
15	4.61	4.38	4.59	4.92	4.80	4.52	....	+5.30	4.92	4.53	4.47	4.43
20	4.50	4.34	4.54	4.96	4.73	4.60	....	5.31	4.82	4.43	4.37	4.47
25	4.46	4.35	4.66	5.05	4.75	4.54	....	5.19	....	4.50	4.34	4.56
Eom	4.44	4.37	4.85	5.08	4.62	4.44	4.44	....	4.60	4.47	4.37	4.87

1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.94	+5.22	+5.59	+5.29	+5.29	+5.01	+4.70	+5.07	+4.84	+5.54	+5.07	+4.77
10	5.02	5.19	5.56	5.39	5.32	5.04	4.71	5.19	4.72	5.33	4.95	4.65
15	5.17	5.16	5.53	5.58	5.28	5.00	4.80	5.06	5.32	5.17	4.92	4.70
20	5.13	5.23	5.50	5.51	5.16	4.92	4.74	4.99	5.54	5.09	4.95	4.64
25	5.16	5.38	5.32	5.58	5.20	4.88	4.63	4.92	5.64	5.06	4.88	4.58
Eom	5.27	5.50	5.25	5.48	5.11	4.74	4.92	4.78	5.60	5.22	4.83	4.54

1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.79	+4.90	+5.54	+6.26	+6.30	+5.85	+5.25	+5.88	+5.55	+5.15	+4.81	+4.39
10	4.80	4.79	5.64	6.11	6.23	5.77	5.20	5.95	5.48	5.07	4.75	4.34
15	4.95	4.83	5.78	6.46	6.25	5.67	5.18	5.80	5.36	5.01	4.63	4.24
20	5.11	5.05	5.85	6.56	6.13	5.51	5.23	5.60	5.36	4.95	4.63	4.48
25	4.96	5.24	6.04	6.50	6.01	5.42	5.17	5.66	5.47	5.24	4.67	4.49
Eom	4.82	5.32	6.29	6.47	5.95	5.37	5.58	5.73	5.27	4.93	4.49	4.34

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.36	+4.79	+4.95	+5.53	+5.57	+4.88	+5.43	+4.92	+4.70	+4.42	+4.29	+4.76
10	4.68	4.66	5.40	5.50	5.38	4.73	5.18	4.92	4.62	4.46	4.37	4.80
15	4.91	4.62	5.49	5.51	5.25	4.73	5.05	4.88	4.57	4.52	4.43	4.68
20	4.95	4.55	5.62	5.52	5.19	4.68	5.01	4.83	4.49	4.41	4.50	4.56
25	4.87	4.68	5.70	5.44	5.07	5.25	5.19	4.75	4.42	4.35	4.51	4.52
Eom	4.73	4.83	5.53	5.42	4.95	5.49	5.07	4.73	4.51	4.26	4.65	4.42

29. 11. 1. 2. 3. Joseph Morrell. Near Moerls Corner. Lat 40°21'54", long 74°18'39".

Dug observation water-table well in Englishtown Formation (previously reported sand) of Upper Cretaceous age, diam 17 in, depth 9 ft, cased with pre-cast concrete rings. Lsd 76 ft above msl. MP inner edge of concrete ring, 0.95 ft above lsd. Highest water level 75.45 above msl, Sept. 12, 1960; lowest 66.44 above msl, Oct. 6, 1957. Records available: 1923-62.

End-of-day water level, above msl, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e73.40	+73.97	+74.38	+74.98	+74.56	+73.18	+71.93	+72.10	e72.17	+73.02	+74.12	+74.29
10	e73.37	e74.40	74.11	e74.70	74.18	72.88	72.81	71.60	e71.88	72.83	73.92	73.94
15	e74.07	e74.71	e74.22	e74.20	73.96	72.81	73.44	71.45	e71.50	72.67	73.89	73.79
20	74.04	e74.00	e74.85	e73.88	74.02	73.01	72.58	71.37	e72.40	72.52	73.92	73.79
25	e74.70	e74.80	e74.15	e74.23	e74.73	72.84	72.39	72.89	e72.16	74.91	73.75	73.63
Eom	e74.10	e74.40	74.64	e74.39	e73.75	72.42	72.57	72.48	e72.50	e74.20	74.11	73.89

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+74.12	+74.13	+73.79	+74.20	+73.78	+73.23	+70.83	+72.84	+72.83	+71.04	+73.02	+73.82
10	73.84	74.38	74.23	73.96	73.51	72.22	70.62	74.15	72.40	71.16	73.81	74.15
15	73.86	74.29	74.58	74.02	73.63	72.43	71.10	73.13	71.97	71.42	73.80	74.23
20	73.97	73.94	74.04	73.86	73.24	72.16	71.27	72.41	71.73	e71.40	73.75	73.97
25	74.01	73.79	73.93	73.73	72.77	71.85	73.94	72.33	71.38	e71.27	74.33	73.92
Eom	73.93	73.76	74.41	74.00	72.12	71.30	73.08	72.30	71.18	e72.90	73.98	74.33

1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+74.28	+73.94	+73.93	+74.69	+73.71	+73.60	+73.52	+73.63	+73.33	+73.67	+73.91	+73.74
10	74.02	74.03	e73.90	74.07	73.63	73.02	72.70	72.97	72.78	73.51	74.33	73.65
15	74.68	74.08	74.08	73.87	73.54	73.33	73.91	72.87	73.98	73.43	73.91	73.67
20	e74.20	74.36	74.34	73.78	73.45	73.18	72.95	73.70	74.31	74.06	73.77	73.77
25	e73.97	e74.14	e74.03	73.94	74.21	73.38	72.13	73.13	73.73	73.75	73.70	73.98
Eom	e74.10	e74.13	e74.22	e73.77	73.58	72.54	74.17	74.13	74.09	73.85	73.94	74.04

1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+74.07	+73.63	+74.03	+73.93	+73.88	+73.38	+72.25	+74.10	+73.17	+73.64	+73.59	+73.72
10	73.99	73.93	74.23	74.34	73.99	73.28	72.03	73.36	72.83	73.31	73.61	73.77
15	74.31	74.09	74.32	74.24	73.91	73.25	e71.98	72.94	72.89	73.76	73.79	73.91
20	73.98	74.53	74.22	74.07	73.72	72.64	71.71	72.63	73.12	73.48	74.25	74.33
25	73.81	74.82	74.24	74.37	73.49	73.07	71.32	74.63	73.39	73.69	74.03	73.99
Eom	73.72	74.17	74.06	74.02	73.65	72.77	e74.75	73.56	73.03	73.69	73.79	73.94

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+73.87	+73.87	+74.03	+74.01	+73.82	+72.34	+72.81	+72.41	+74.02	+74.18	+74.13	+74.25
10	74.13	73.71	74.37	74.17	73.68	71.79	72.10	74.03	73.47	73.96	e74.83	73.99
15	74.27	73.72	74.17	74.12	73.53	73.87	71.63	73.21	72.92	73.64	e74.22	73.75
20	73.88	74.14	73.94	73.91	73.27	73.01	71.83	73.62	72.72	73.57	74.60	73.67
25	73.84	74.38	74.01	73.82	73.27	74.30	74.08	73.42	72.51	73.53	74.30	73.99
Eom	73.78	74.60	73.87	73.82	72.75	73.52	73.11	73.75	73.64	73.72	73.98	73.84

e Estimated.

Monmouth County

29. 11. 1. 2. 9. Walter Novak. Hillsboro Rd., about $\frac{1}{2}$ mi southeast of Mørerls Corner. Lat 40°21'20", long 74°18'40". Dug observation water-table well in Englishtown Formation of Upper Cretaceous age, diam 4½ ft, depth 21 ft, cased with concrete well blocks. Ls 113 ft above msl. MP inside edge of door frame, 2.84 ft above lsd. Highest water level 100.57 above msl, Apr. 26, 1961; lowest 95.18 above msl, Oct. 31-Nov. 1, 1957. Records available: 1936-62.

End-of-day water level, above msl, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+96.24	+97.12	+97.71	+99.63	+100.04	+100.12	+99.18	+98.38	+97.68	+97.10	+97.62	+97.09
10	96.23	97.17	97.87	99.88	100.19	99.97	99.07	98.23	97.55	97.05	97.49	97.04
15	96.23	97.20	98.05	100.07	100.34	99.85	98.98	98.09	97.43	96.98	97.38	96.99
20	96.40	97.10	98.25	100.10	100.42	99.67	98.85	97.97	97.32	96.90	97.30	96.95
25	96.57	97.19	98.58	100.03	100.40	99.51	98.72	97.85	97.22	97.02	97.18	96.89
Eom	97.01	97.36	99.35	100.07	100.26	99.35	98.55	97.78	97.13	97.65	97.10	96.83

1959

5	+96.81	+96.67	+96.77	+97.59	+97.92	+97.50	+97.05	+97.48	+97.18	+96.61	+96.30	+96.39
10	96.78	96.72	96.89	97.69	97.88	97.45	96.96	97.69	97.08	96.53	96.46	96.48
15	96.76	96.73	97.07	97.80	97.83	97.40	96.88	97.57	97.00	96.45	96.43	96.60
20	96.71	96.79	97.20	97.84	97.74	97.32	96.85	97.43	96.91	96.38	96.39	96.69
25	96.70	96.78	97.29	97.88	97.64	97.23	97.60	97.33	96.82	96.48	96.37	96.73
Eom	96.66	96.77	97.42	97.90	97.54	97.15	97.60	97.25	96.72	96.41	96.43	96.88

1960

5	+97.15	+97.66	+98.34	+98.65	+98.69	+98.43	+98.11	+98.33	+97.76	+98.34	+97.88	+97.50
10	e97.28	97.72	98.43	98.80	98.62	98.32	97.97	98.18	97.64	98.25	97.80	97.43
15	e97.35	97.74	98.47	98.90	98.53	98.24	98.05	98.03	98.49	98.14	97.77	97.38
20	97.47	97.91	98.60	98.87	98.43	98.20	97.90	98.02	98.49	98.07	97.69	97.33
25	97.50	98.17	98.57	98.86	98.65	98.12	97.79	97.87	98.40	98.01	97.63	97.51
Eom	97.61	98.25	98.60	98.78	98.51	98.04	e98.44	97.95	98.38	97.92	97.58	97.53

1961

5	+97.87	+97.82	+98.88	+100.00	+100.38	+99.75	+98.95	+98.78	+98.15	+97.63	+97.15	+96.82
10	97.94	97.83	98.96	100.00	100.33	99.61	98.77	98.55	98.05	97.54	97.07	96.75
15	97.94	97.84	99.16	100.26	100.27	99.48	98.65	98.37	97.88	97.47	97.00	96.71
20	97.94	98.33	99.34	100.50	100.12	99.36	98.58	98.25	97.82	97.39	96.96	96.80
25	97.95	98.82	99.67	100.55	99.99	99.27	98.44	98.42	97.83	97.33	96.92	96.91
Eom	97.91	98.79	99.96	100.50	99.90	99.11	98.87	98.30	97.69	97.24	96.87	96.98

1962

5	+96.94	+97.36	+97.93	+98.82	+98.98	+98.26	+98.24	+97.70	+97.78	+97.34	+97.03	+97.58
10	97.30	97.27	97.99	98.91	98.85	98.12	98.09	97.80	97.65	97.32	97.12	e97.55
15	97.45	97.22	98.65	99.01	98.73	98.36	97.96	97.66	97.52	97.25	e97.36	e97.50
20	97.41	97.22	98.72	99.03	98.65	98.20	97.85	97.63	97.43	97.20	e97.27	e97.44
25	97.37	97.40	98.74	99.03	98.52	98.52	98.08	97.60	97.34	97.12	e97.43	e97.41
Eom	97.36	97.58	98.76	99.00	98.38	98.47	97.84	97.74	97.37	97.04	97.59	e97.37

e Estimated.

Morris County

25. 14. 3. 5. 5. (Whippany well.) Jersey Central Power & Light Co. About 3 mi east of Whippany at power plant. Lat 40°49'00", long 74°23'00". Drilled observation artesian well in Wisconsin Drift, diam 6 in, depth 170 ft, cased with steel. Lsd 190.00 ft above msl. MP top of casing, 2.45 ft above lsd. Highest water level 177.94 above msl, June 3, 1952; lowest 170.10 above msl, Jan. 3, 1956. Records available: 1951-62.

Lowest water level for the day, above msl, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+175.20	+175.09	+175.36	+175.74	+176.25	.....	.....	.....	+175.77	+175.70	.....	+175.75
10	.....	.....	175.30	175.78	176.21	.....	.....	+175.90	175.75	175.59	+175.70	175.70
15	.....	175.17	175.39	.....	176.30	+176.23	+176.00	175.89	175.73	175.56	175.70	175.88
20	174.98	174.98	175.28	176.01	176.30	.....	175.88	175.86	.....	175.50	175.68	175.60
25	175.15	175.01	.....	176.00	176.29	.....	175.97	175.83	.....	175.62	175.48	.....
Eom	174.99	175.28	175.76	176.11	e176.24	176.12	.....	.....	175.62	175.76	175.63	.....

1959

5	.....	.....	.....	+175.79	.....	+176.02	.....	.....	+175.44	+175.27	+175.29	+175.41
10	+175.64	+175.48	.....	.....	.....	.....	.....	+175.62	175.42	175.36	175.37	.....
15	.....	175.41	+175.62	175.89	+175.88	175.82	+175.59	175.58	175.39	.....	175.33	175.53
20	175.48	175.43	.....	176.00	175.90	.....	175.75	.....	175.31	175.19	175.32	175.61
25	175.45	175.43	.....	176.01	175.91	.....	175.63	175.51	175.39	.....	.....	175.47
Eom	e175.43	175.47	.....	.....	.....	175.67	175.57	175.28	175.36	175.31	175.42	175.56

e Estimated.

25. 14. 3. 5. 5--Continued.

1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+175.70	+175.75	+176.00	+176.25	+176.30	+176.30	+176.15	+176.00	+175.95	+176.20	+176.05	+176.05
10	175.65	175.80	176.00	176.30	176.30	176.30	176.10	176.00	175.90	176.20	176.05	176.00
15	e175.70	175.75	175.95	176.30	176.35	176.30	176.05	175.95	176.15	176.10	176.05	176.00
20	175.70	175.70	176.00	176.30	176.30	176.15	176.00	176.00	176.20	176.05	176.10	175.95
25	175.70	175.90	e176.00	176.30	176.30	176.20	176.00	176.00	176.20	176.10	176.00	176.05
Eom	175.75	175.95	176.10	176.00	176.35	176.20	176.10	e175.95	176.20	176.15	175.85	176.00

1961

5	+176.00	+175.90	+176.50	+176.70	+176.90	+176.80	+176.60	+176.35	+176.15	+175.85	+175.65	+175.65
10	176.00	175.85	176.40	176.80	176.95	176.85	176.50	176.35	176.10	175.80	175.60	175.45
15	176.05	175.85	176.65	176.80	177.00	176.80	176.50	176.30	175.80	175.85	175.60	175.35
20	174.75	175.95	176.50	176.90	177.00	176.65	176.45	176.30	176.00	175.80	175.60	.....
25	176.10	176.35	176.65	176.95	176.90	176.70	176.50	176.25	175.95	175.75	175.55	175.50
Eom	175.95	176.40	176.70	176.95	176.95	176.70	176.40	176.25	175.90	175.70	175.55	175.45

1962

5	+175.35	+175.40	+175.50	+175.70	+175.70	+175.50	+175.25	+174.90	+174.80	+174.70	+174.75	+174.95
10	175.45	175.35	175.40	175.75	175.65	175.50	175.15	174.85	174.75	174.70	174.85	174.85
15	175.45	.....	175.60	175.90	175.70	175.40	175.10	174.75	174.65	174.70	.....	174.90
20	175.40	175.30	175.60	175.80	175.65	175.40	175.00	174.80	174.75	174.70	174.80	174.85
25	175.35	175.25	175.60	175.85	175.55	175.15	175.00	174.80	174.65	174.60	174.85	174.90
Eom	e175.40	175.45	175.60	175.85	175.50	175.30	175.00	174.80	e174.70	174.60	174.90	174.90

e Estimated.

Salem County

30. 22. 9. 7. 3. (Penns Grove 24.) State of New Jersey. About 1 mi east of Carneys Point. Lat 39°42'41", long 75°27'17". Drilled observation water-table well in sands of Raritan and Magothy Formations of Upper Cretaceous age, diam 6 in, depth 51 ft, cased with steel, 5½-in screen, 25/1,000 slot at 46-51. Lsd 18 ft above msl. MP top of casing, 1.84 ft above lsd. Highest water level 7.83 above msl, June 14, 1947; lowest 6.43 below msl, Feb. 18, 1950. Records available: 1941-62.

End-of-day water level, above and below msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-5.79	-6.04	-5.43	-3.29	-2.11	-2.36	-3.16	-3.62	-4.10	-4.64	-4.74	-3.26
10	....	6.04	5.28	2.95	2.10	2.48	3.28	3.68	4.18	4.72	4.17	3.25
15	5.88	6.02	5.15	....	2.08	2.62	3.40	3.72	4.23	4.82	3.82	3.18
20	5.92	5.94	....	2.44	2.20	2.74	3.52	3.80	4.33	4.93	3.59	3.04
25	5.97	....	4.28	2.28	2.21	2.87	3.54	3.89	4.41	5.05	3.41	2.84
Eom	e6.01	5.62	3.70	2.19	2.26	3.03	3.60	4.03	4.50	5.13	3.32	2.46

1957

5	-2.25	-2.44	-1.64	-1.00	-0.15	-0.81	-1.67	....	-3.63	-4.55	-5.21	-5.85
10	....	2.39	1.62	.78	.30	1.03	1.80	....	3.76	....	5.28	5.93
15	2.04	2.15	1.45	.53	.34	1.16	1.91	....	3.84	4.76	5.33	....
20	2.20	1.93	1.36	.32	.49	1.27	2.06	....	3.99	4.89	5.41	6.00
25	2.26	1.79	1.31	.28	.60	1.43	2.27	....	4.19	4.98	5.53	5.97
Eom	2.32	1.68	1.33	.17	.76	1.54	2.35	....	4.39	5.10	5.67	5.86

1958

5	-5.73	....	....	+1.44	+2.81	+3.35	+2.50	+2.53	+2.29	+0.92	-0.36	-0.95
10	5.60	....	-1.95	2.02	3.36	3.08	2.56	2.48	2.26	.71	.45	1.14
15	5.47	-3.66	1.61	2.51	3.93	3.05	2.69	2.35	1.99	.48	.49	1.32
20	5.34	....	1.31	2.82	3.97	2.82	2.59	2.13	1.73	+12	.55	1.57
25	5.18	....	-.71	2.74	3.91	2.65	2.55	1.92	1.50	-.11	.70	1.83
Eom	4.75	....	+.82	2.78	3.52	2.60	2.69	2.30	1.22	.28	.88	2.05

1959

5	-2.13	-3.00	-3.51	-3.70	-3.92	-4.26	-4.27	-4.38	-4.60	-4.70	-5.45	-6.15
10	2.23	3.00	3.59	3.83	4.04	4.23	4.28	4.38	4.57	4.76	5.57	6.24
15	2.32	3.17	3.60	3.89	4.12	4.20	4.35	4.38	4.54	4.84	5.70	6.31
20	2.55	3.27	3.65	3.86	4.18	4.18	4.45	4.40	4.56	5.01	5.84	6.35
25	2.70	3.37	3.70	3.85	4.22	4.20	4.43	4.46	4.57	5.17	5.96	6.37
Eom	2.91	3.42	3.75	3.86	4.22	4.24	4.43	4.57	4.58	5.34	6.07	6.32

1960

5	-6.23	-5.37	-4.72	-4.06	-2.67	-2.64	-3.01	-3.58	-4.05	-1.92	-2.78	-3.37
10	6.11	5.31	4.54	3.78	2.57	2.67	3.08	3.63	4.16	2.02	2.95	3.44
15	5.97	5.27	4.38	3.37	2.62	2.74	3.19	3.72	3.02	2.19	3.02	3.53
20	5.83	5.20	4.28	3.07	2.67	2.79	3.28	3.80	2.14	2.36	3.11	3.66
25	5.69	5.04	4.20	2.80	2.73	2.85	3.40	3.93	1.94	2.49	3.19	....
Eom	5.52	4.90	4.11	2.71	2.68	2.89	3.52	4.15	1.87	2.62	3.27	....

e Estimated.

30. 22. 9. 7. 3--Continued.

1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	-3.55	-1.43	+0.68	+2.34	+1.38	+0.12	-0.84	-1.94	-2.75	-3.82	-4.58
10	....	3.57	1.05	.73	2.28	1.23	-.19	1.02	2.05	2.90	4.02	4.73
15	-3.32	3.67	.49	1.26	2.25	1.03	.39	1.27	2.15	3.02	4.15	4.86
20	3.35	3.53	-.15	1.94	2.08	.85	.51	1.42	2.22	3.20	4.23	4.97
25	3.41	2.59	+.18	2.39	1.90	.63	.68	1.59	2.39	3.41	4.33	5.05
Eom	3.42	2.13	.57	2.42	1.51	.45	.70	1.77	2.60	3.62	4.45	5.15

1962												
5	-5.21	-4.94	....	-2.18	-0.20	-0.40	-0.55	-1.17	-2.78	-4.21	-5.31	-6.06
10	5.14	4.94	-4.30	1.82	.16	.62	.57	1.40	3.04	4.41	5.47	6.15
15	4.95	4.83	3.86	1.28	.15	.67	.59	1.66	3.32	4.58	5.63	6.22
20	4.95	....	3.05	.83	.08	.76	.79	1.93	3.59	4.74	5.77	6.32
25	4.95	....	2.63	.45	.13	.66	.90	2.23	3.78	4.91	5.87	6.39
Eom	4.94	....	2.37	.28	.36	.49	1.07	2.54	4.01	5.17	5.95	6.44

Union County

26. 21. 5. 4. 6. Union County Park Comm. Galloping Hill Golf Course near Kenilworth. Lat 40°41'03", long 74°17'26". Drilled unused artesian well in Brunswick Shale of Upper Triassic age, diam 6 in, depth 290 ft, cased with steel. Lsd 69.00 ft above msl. MP top of casing, 1.65 ft above lsd. Highest water level 65.94 above msl, June 2, 1952; lowest 58.11 above msl, Sept. 26, 1962. Records available: 1943-62.

End-of-day water level, above msl, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+61.32	+62.27	+62.93	+63.37	+63.32	+62.37	+62.04	+62.12	+60.74	+61.14	+61.34	+61.24
10	60.57	62.55	e62.93	e62.70	e62.90	62.14	e62.16	62.28	60.45	60.06	e61.80	60.88
15	60.97	62.48	e62.94	e63.01	62.82	62.33	e61.84	61.40	60.53	60.12	e61.13	61.07
20	61.10	62.05	e62.92	e63.50	62.82	61.92	61.95	61.58	60.79	60.24	e60.98	60.77
25	62.53	62.27	e63.30	e62.62	62.95	61.90	61.18	61.83	60.12	61.31	e60.96	61.09
Eom	62.32	62.86	e62.80	e63.16	62.72	61.96	61.27	62.21	60.32	e61.10	61.47	60.85

1959												
5	+61.40	+60.49	+60.33	+61.58	+60.87	+60.28	+60.45	+59.85	+60.88	+60.54	+60.50	+61.32
10	61.32	60.55	60.68	60.97	61.17	59.90	60.32	60.82	60.75	60.25	60.81	61.25
15	61.08	61.07	61.55	60.95	60.60	e60.21	60.61	60.16	60.93	60.46	61.21	61.74
20	60.84	60.34	61.14	61.15	60.50	e59.83	60.56	59.77	61.03	60.48	60.68	61.97
25	60.93	60.37	61.18	60.95	60.34	59.77	60.22	60.02	59.72	61.09	61.03	62.17
Eom	60.53	60.64	61.40	60.84	e60.50	59.71	59.70	60.00	59.56	60.83	61.64	62.14

1960												
5	+62.37	e61.83	e62.55	+62.23	+61.13	+61.85	+61.77	+60.83	+61.91	+61.63	+61.90	+62.10
10	62.43	e61.90	e62.00	62.43	61.76	60.65	61.55	60.84	61.32	61.78	61.75	61.93
15	61.83	e62.15	e61.81	61.86	61.92	61.09	61.73	61.16	61.79	61.60	61.98	61.86
20	61.97	e62.50	e61.77	61.75	61.14	61.36	61.49	61.37	62.06	61.51	62.34	61.80
25	e61.98	e62.20	e61.57	61.77	61.68	61.02	61.15	61.16	62.20	61.57	62.26	62.61
Eom	e62.02	e62.51	e61.27	61.42	62.14	60.27	61.80	61.13	61.62	61.80	61.97	62.56

1961												
5	+62.37	+61.75	+63.53	+63.32	+62.96	+62.61	+61.75	+61.13	+60.31	+59.65	+59.50	+59.72
10	62.24	61.72	63.00	63.68	62.92	62.30	61.33	60.40	60.22	59.55	58.95	59.69
15	62.69	61.97	63.50	62.03	63.24	e61.70	61.57	60.48	59.78	59.83	59.06	59.11
20	62.08	62.80	63.58	63.49	62.95	e61.03	61.17	60.65	60.07	59.29	59.54	59.45
25	61.97	63.64	63.93	63.77	62.48	61.80	61.05	60.27	59.99	59.33	59.87	60.28
Eom	61.89	63.21	63.59	63.68	62.91	61.23	61.16	60.05	59.89	59.37	59.68	60.29

1962												
5	+59.58	+59.96	+60.66	+60.91	+61.27	+60.30	+59.92	+59.24	+58.90	+58.42	+58.77	+59.32
10	60.15	59.66	60.72	e61.30	e60.83	e59.64	e59.80	58.85	58.90	58.66	e58.90	e60.10
15	60.36	59.50	61.18	e61.42	60.69	60.10	60.04	e59.31	e58.68	58.85	e58.95	59.98
20	60.08	59.74	e61.08	e61.01	60.72	60.00	59.11	e58.97	e58.44	59.05	e59.15	59.52
25	59.75	60.46	e61.27	60.88	60.32	60.08	59.46	e58.68	e58.60	58.31	e59.65	60.47
Eom	59.77	60.55	e60.95	61.10	60.51	59.93	59.17	e58.66	58.97	58.38	e60.00	60.27

e Estimated.

26. 21. 5. 8. 3. (Well 3.) White Laboratories, Inc. Kenilworth. Lat 40°40'28", long 74°16'40". Drilled observation artesian well in Brunswick Shale of Upper Triassic age, diam 6 in, depth 400 ft, cased with steel. Lsd 81.00 ft above msl. MP top of casing, 1.26 ft above lsd. Highest water level 74.69 above msl, Apr. 17, 1961; lowest 39.1 above msl, Mar. 7, 1952. Records available: 1952-62.

26. 21. 5. 8. 3--Continued.

Lowest water level for the day, above msl, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+63.0	+64.8	+64.5	+65.4	+64.5	+62.4	+62.3	....	+64.0	+65.1
10	63.0	64.0	66.9	64.2	63.8	63.1	61.8	+62.6	65.0	65.5
15	+60.6	....	63.2	65.4	....	....	62.8	61.3	61.6	62.0	63.9	65.6
20	62.9	65.1	66.6	63.9	....	62.0	63.0	62.4	64.8	65.5
25	64.4	65.1	66.4	63.2	....	62.0	61.9	....	65.7	65.4
Eom	64.9	65.9	66.1	63.9	....	62.9	62.1	61.5	....	65.3

1959

5	+65.7	+65.7	+65.3	+65.2	....	+63.9	+65.7	+64.2	+62.5	+63.3	+61.6	+64.3
10	....	65.8	66.1	65.1	....	62.7	....	64.3	62.3	62.6	65.3	64.2
15	65.5	66.0	66.4	....	....	....	62.1	....	64.0	....	64.8	....
20	65.3	65.8	65.6	64.4	....	....	....	62.0	65.7	63.9	64.0	64.8
25	65.6	65.8	66.2	65.4	+65.4	....	65.4	61.8	62.1	....	63.3	65.7
Eom	65.4	65.7	65.9	....	....	62.1	....	62.2	61.8	....	64.9	67.8

1960

5	+69.7	+70.7	....	+69.8	....	....	+65.4	+65.0	+66.4	+67.6	+66.8	+66.3
10	70.6	70.5	+72.4	73.9	+68.1	+66.1	....	65.2	64.7	e66.6	e67.5	67.5
15	70.9	71.7	72.7	69.6	70.2	65.0	65.5	65.2	66.4	e66.3	66.5	....
20	71.1	72.3	73.3	68.9	65.8	64.8	68.2	66.6	67.8	66.6	....	66.9
25	71.2	72.3	73.0	67.4	66.7	....	67.9	66.1	68.7	67.7	....	....
Eom	71.5	73.2	69.0	68.6	....	63.6	....	65.7	66.6	65.6	65.8	69.2

1961

5	....	+71.0	+70.7	+71.0	+70.4	+67.8	+67.4	....	+66.0	+66.2	+66.6	+65.9
10	....	....	70.6	72.5	69.4	67.1	67.6	+67.2	66.5	66.7	67.6	65.2
15	+71.6	e69.7	e71.4	72.6	69.4	67.3	66.9	....	65.8	67.2	67.3	64.6
20	71.8	69.8	71.0	72.4	69.4	67.7	....	68.5	66.4	66.0	....	67.1
25	....	....	....	70.3	68.3	67.2	66.0	66.6	66.1	65.0	....	69.2
Eom	70.6	70.0	71.0	72.3	68.7	66.4	....	66.5	65.8	65.3	66.3	69.3

1962

5	+68.0	+68.9	+71.4	....	+70.1	....	+66.8	+64.1	+64.1	+63.8	+67.6	+67.8
10	69.8	70.1	71.6	+69.5	69.8	+68.5	65.9	64.2	62.5	65.1	66.1	69.0
15	68.9	69.6	71.0	72.8	69.5	67.4	66.0	64.4	62.5	65.5	67.7	68.4
20	70.4	70.3	71.8	72.2	70.4	65.5	65.7	62.9	62.9	65.3	68.0	67.2
25	69.8	70.9	70.4	67.8	65.4	67.4	64.8	63.6	66.6	68.8
Eom	69.8	71.3	68.8	70.0	66.1	66.8	62.9	63.1	64.0	66.8	67.0

e Estimated.

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NEW YORK

By J. A. Ziarno, F. A. DeLuca, and L. R. Wistoft

The observation-well program in New York was continued during 1958 through 1962 in co-operation with the New York Water Resources Commission (successor to 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. Figure 10 shows the location of observation wells included in this report.

Well-Numbering System

Where wells are designated by letters and serial numbers, the letters indicate the county name.

Well numbers without preceding letters have been assigned on the basis of a latitude-longitude-grid system. The State has been divided into 1-minute quadrangles of latitude and longitude. Each well number consists of three parts: the first indicates the degree and minute of latitude; the second, the degree and minute of longitude; and the third, the number assigned to the well within the 1-minute quadrangle. The first digit of the degree of latitude and longitude, 4 and 7 respectively, are the same throughout the State and therefore are omitted. Thus, well 249-359-58 is in the 1-minute quadrangle north of latitude 42°49'N. and west of longitude 7°59'W.

Well Descriptions and Water-Level Measurements

Water levels in the Upstate section of this report are in feet below land-surface datum, except those for well Ot 900, which are above land-surface datum. In the Long Island section, water levels are referred to mean sea level (Sandy Hook datum); a plus or minus sign, as appropriate, is placed in front of the first water-level entry in each column and also in front of the entry within a column where each sign change occurs.

UPSTATE

Broome County

Bm 121. U. S. Geol. Survey. Camden and Main Sts., Johnson City. Lat 42°06'57", long 75°58'35". Drilled observation water-table well in glacial sand of Pleistocene age, diam 6 in, original depth 51 ft (well has filled in to 46 ft), cased to 51, open end. Lsd about 835 ft above msl. MP top of casing, 3.17 ft above lsd. Highest water level 9.73 below lsd Apr. 8, 1956; lowest 31.71 below lsd, Nov. 17-18, 1957. Records available: 1947-62. Water level affected by floods of Susquehanna River.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.9	26.5	25.7	20.2	19.9	24.3	26.9	27.8	29.2	29.3	27.8	26.5
10	26.2	27.1	25.0	12.4	20.5	25.0	27.1	28.3	29.3	29.3	27.8	26.4
15	26.5	27.6	24.9	14.2	20.7	24.9	27.1	28.4	29.3	29.4	28.0	26.5
20	26.8	27.9	25.1	15.5	h21.55	24.4	26.4	28.7	29.4	29.7	28.0	26.5
25	26.8	28.3	25.4	16.3	j22.7	25.0	26.4	29.2	29.3	29.9	27.6	27.0
Eom	26.2	28.3	24.0	18.1	23.7	26.1	27.2	29.4	29.2	28.6	27.1	27.0
1959												
5	27.4	23.7	28.1	21.5	22.8	26.6	28.8	29.5	29.7	30.0	25.9	18.2
10	27.9	25.0	27.7	19.8	23.5	27.1	28.8	29.7	29.1	29.0	21.7	19.3
15	28.5	25.6	27.6	19.8	24.4	27.6	29.0	29.7	28.9	e27.9	21.7	19.1
20	28.9	26.2	26.9	21.0	25.0	27.9	29.4	29.9	28.7	27.5	21.7	19.3
25	22.6	27.0	25.7	22.2	25.5	28.2	29.4	30.2	28.9	27.3	22.2	20.7
Eom	22.6	27.5	24.8	22.8	26.2	28.5	29.2	30.2	29.3	26.9	18.5	20.8

e Estimated.

h Tape measurement.

j Water level at 11 p. m.

Bm 121--Continued.

1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.5	23.9	22.5	11.3	20.8	21.9	21.4	25.0	e26.0	24.4	25.3	26.2
10	19.6	24.0	23.2	e11.8	21.6	21.9	22.1	25.1	26.2	24.6	25.2	26.4
15	21.0	19.8	23.7	15.5	22.1	22.1	22.8	25.1	24.2	25.0	25.2	26.6
20	22.1	20.3	24.3	17.5	22.1	20.5	e23.3	25.3	e23.9	25.5	25.5	26.9
25	22.9	21.1	24.7	18.7	22.1	20.2	23.8	25.4	23.7	25.6	25.8	27.2
Eom	23.4	21.8	23.1	19.9	22.0	20.6	24.5	25.7	24.0	25.4	25.9	27.4

1961

5	27.5	28.7	17.6	21.2	18.8	23.4	....	26.1	25.7	27.6	28.9	28.2
10	27.7	28.9	18.5	21.8	20.1	23.9	....	26.4	25.9	27.8	29.0	26.8
15	27.8	e29.0	19.9	21.9	20.4	23.4	....	26.7	26.3	28.0	29.1	26.9
20	28.0	29.0	21.2	19.8	21.2	23.3	....	27.1	26.5	28.2	e29.0	27.4
25	28.2	27.0	22.3	19.3	21.9	23.9	....	27.5	26.8	28.5	....	27.4
Eom	28.5	17.3	21.5	17.7	e22.7	24.3	e26.0	26.1	27.2	28.7	28.3	27.6

1962

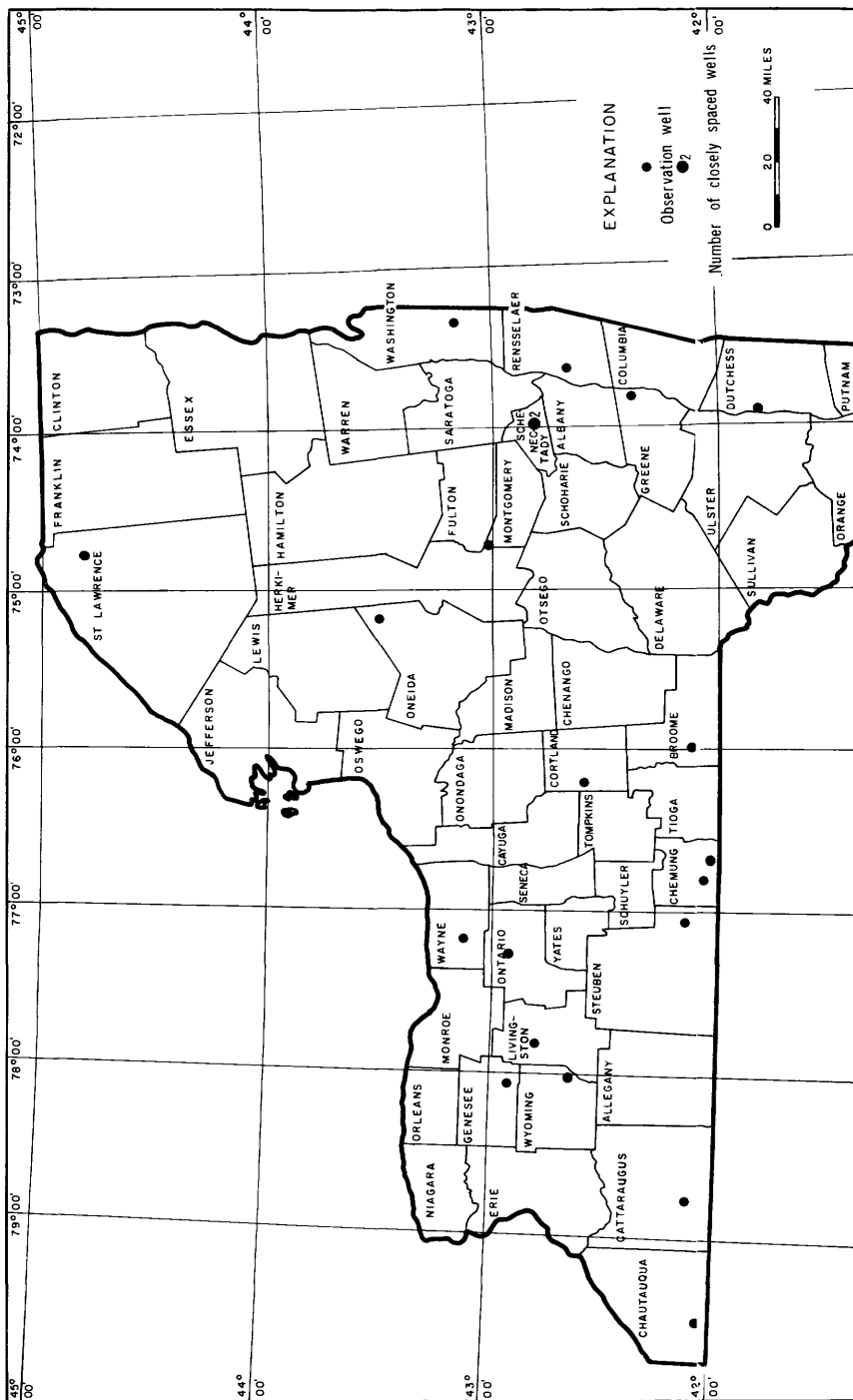
5	27.7	22.6	25.8	18.3	23.3	27.5	e28.6	29.5	30.1	30.4	28.1	27.8
10	26.4	23.3	e25.9	18.6	23.8	27.7	28.8	29.7	30.2	29.9	28.1	27.6
15	26.2	24.4	24.9	19.5	24.5	27.9	29.0	29.5	30.2	28.6	27.5	27.2
20	25.3	25.4	24.7	20.7	25.4	28.0	29.2	29.6	30.2	28.0	27.5	26.5
25	23.2	26.2	24.5	21.5	26.3	28.2	29.3	29.7	30.3	28.0	27.6	e26.7
Eom	22.2	26.5	24.1	22.8	27.0	e28.4	29.4	30.0	30.4	28.2	....	27.1

e Estimated.

Cattaraugus County

Ct 121. State Dept. of Conservation. Near Red House. Lat 42°05'38", long 78°44'52".
 Drilled unused artesian well in sand and gravel, diam 6 in, depth 53 ft, cased to 53, open end.
 Lsd about 1,455 ft above msl. MP top of casing. 0.30 ft above lsd. Highest water level 3.35
 below lsd, May 3, 1957; lowest 13.23 below lsd, Feb. 17, 1961. Records available: 1950-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1958	9.43	Sept. 19, 1958	9.80	June 5, 1959	5.25	Mar. 4, 1960	6.37
10	9.43	26	9.51	12	5.44	11	6.86
17	9.47	Oct. 3	9.18	19	6.81	18	7.12
24	9.48	10	9.20	26	7.95	25	7.79
31	9.37	17	9.19	July 10	8.18	Apr. 1	7.36
Feb. 7	9.41	24	9.22	17	8.68	8	6.50
14	9.52	31	9.32	24	8.78	15	6.21
21	9.65	Nov. 7	9.55	31	8.75	20	5.94
28	9.41	14	9.58	Aug. 7	9.25	29	5.97
Mar. 7	8.91	21	9.31	14	9.83	May 6	6.37
14	8.49	28	9.20	21	10.09	13	6.13
21	8.43	Dec. 5	8.65	28	10.50	20	5.00
28	8.10	12	8.43	Sept. 4	10.80	27	5.45
Apr. 4	6.73	19	7.95	11	11.16	June 3	5.50
11	6.73	26	7.52	18	11.42	10	6.20
18	6.71	Jan. 2, 1959	7.63	25	11.56	17	6.40
25	6.66	9	7.67	Oct. 2	11.40	24	6.34
May 2	6.17	16	7.48	9	11.40	July 1	7.10
9	6.72	23	7.05	16	11.15	8	7.83
16	6.96	30	6.50	23	10.95	15	8.46
23	7.21	Feb. 6	6.37	30	10.38	22	9.00
30	7.40	13	6.30	Nov. 6	9.11	29	9.41
June 6	8.01	20	5.88	13	8.58	Aug. 5	9.75
13	7.71	27	5.95	20	8.00	12	10.14
20	6.88	Mar. 6	5.52	27	7.56	19	10.45
27	7.34	13	5.56	Dec. 4	7.18	26	10.60
July 4	7.65	20	5.58	11	6.68	Sept. 2	11.06
11	7.60	27	4.57	18	6.61	9	11.29
17	7.82	Apr. 3	4.14	25	6.71	16	11.50
18	7.52	10	4.51	Jan. 1, 1960	6.61	23	11.70
25	8.03	17	4.68	8	6.42	30	11.90
Aug. 1	8.39	20	4.76	15	5.85	Oct. 6	12.05
8	8.79	24	5.12	22	6.28	13	12.28
15	9.35	May 1	5.08	29	6.54	20	12.38
22	9.60	8	5.01	Feb. 5	6.68	27	12.35
29	10.09	15	4.72	12	6.32	Nov. 4	12.44
Sept. 5	10.32	22	4.55	19	6.02	11	12.37
12	10.22	29	4.81	26	6.01	18	12.52



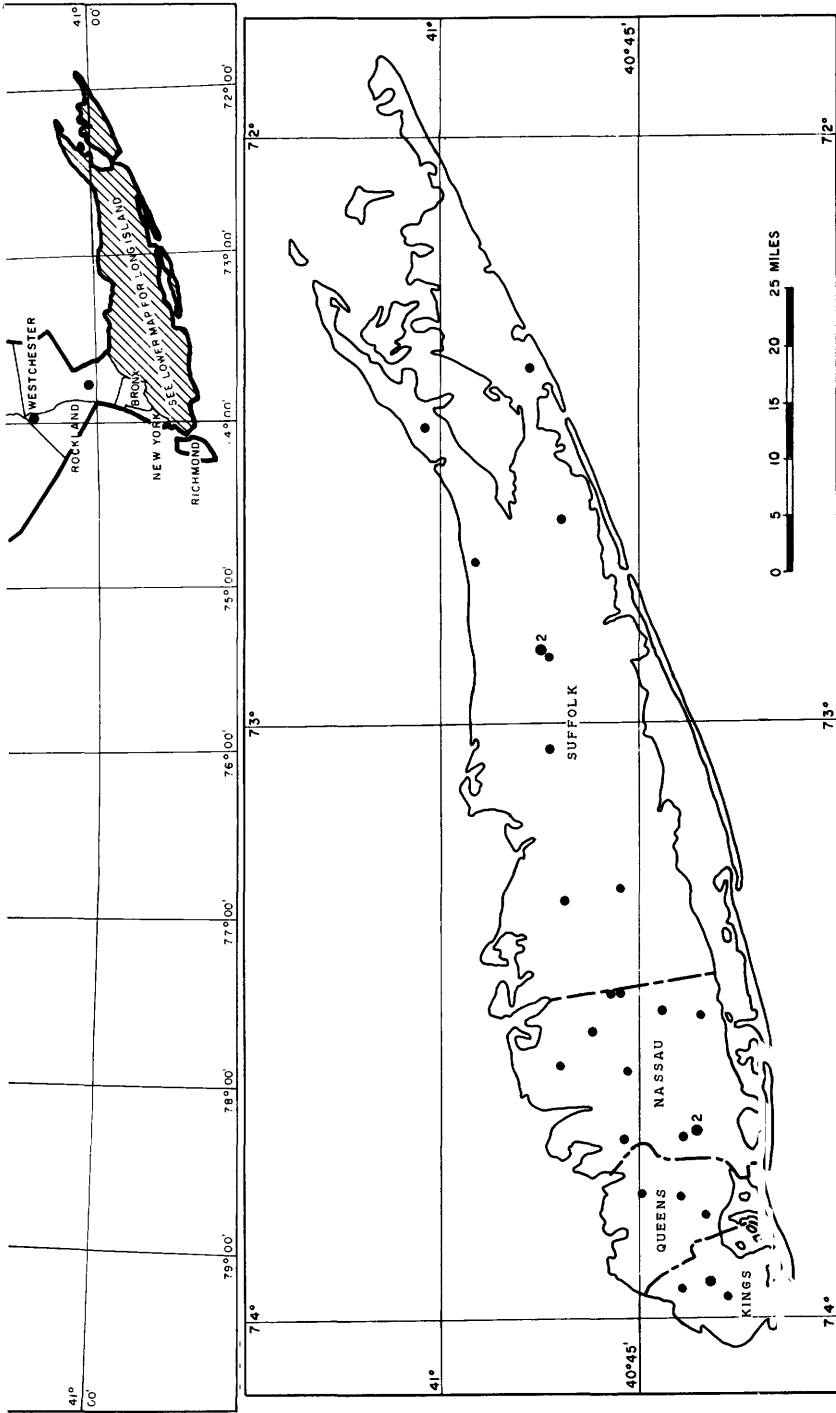


Figure 10.--Location of observation wells in New York, 1958-62.

Ct 121--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 25, 1960	12.69	June 8, 1961	7.03	Dec. 22, 1961	6.99	June 29, 1962	7.57
Dec. 2	12.77	15	6.90	29	6.91	July 6	8.16
9	12.71	22	7.00	Jan. 5, 1962	7.28	13	8.73
16	12.82	29	7.20	12	6.89	20	9.21
23	12.96	July 7	7.00	19	6.89	27	9.49
30	12.99	14	6.81	26	6.77	Aug. 3	9.76
Jan. 6, 1961	13.02	21	6.64	Feb. 2	6.78	10	10.11
13	12.93	28	6.47	9	6.78	17	10.43
20	12.91	Aug. 4	9.46	16	7.11	24	10.92
27	13.01	11	9.27	23	7.82	31	11.2
Feb. 3	13.15	18	9.10	Mar. 2	7.90	Sept. 7	11.50
10	13.22	25	10.1	9	7.59	14	11.68
17	13.23	Sept. 1	10.51	16	7.44	21	11.9
24	12.44	8	10.90	23	6.95	28	11.59
Mar. 3	11.81	15	9.77	30	6.23	Oct. 5	11.59
10	11.01	22	9.89	Apr. 6	5.95	12	11.42
17	10.48	29	9.93	13	5.37	19	11.17
24	9.82	Oct. 7	9.89	20	5.56	26	10.71
31	9.45	14	9.93	27	5.33	Nov. 2	10.10
Apr. 7	9.28	20	10.14	May 4	4.88	9	9.69
14	9.58	27	10.29	11	4.77	16	9.00
21	8.57	Nov. 3	10.22	18	5.29	23	8.91
28	7.68	10	9.83	25	5.97	30	8.66
May 5	7.76	17	8.82	June 1	6.88	Dec. 7	8.47
12	7.36	24	7.95	7	7.53	14	8.54
19	7.13	Dec. 1	7.64	9	7.72	21	8.53
26	6.90	8	7.48	15	7.22	28	8.55
June 1	7.00	15	7.26	22	6.94		

Chautauqua County

Cu 5. State Dept. of Conservation. Near Panama. Lat 42°03'28", long 79°29'59". Dug unused water-table well in glacial till of Pleistocene age, diam 36 in, depth 33 ft, stone-lined. Lsd about 1,770 ft above msl. MP arrow painted on top edge of rock slab over south side of well, 0.05 ft above lsd. Highest water level 1.38 below lsd, Dec. 12, 1959; lowest 9.41 below lsd, May 24, 1949. Records available: 1949-62.

Jan. 11, 1958	2.33	Aug. 16, 1958	2.91	Mar. 29, 1959	2.38	Nov. 7, 1959	2.46
18	2.28	23	2.99	Apr. 4	2.35	14	2.39
25	2.26	30	2.86	11	2.48	21	2.35
Feb. 1	2.26	Sept. 6	2.85	18	2.91	28	2.33
8	2.20	13	2.89	20	2.68	Dec. 5	1.84
15	2.19	20	2.80	26	2.85	12	1.38
22	2.27	27	2.84	May 2	2.41	19	1.91
Mar. 1	2.31	Oct. 4	2.62	9	2.56	26	2.34
8	2.41	11	2.45	16	2.70	Jan. 3, 1960	2.46
15	2.70	18	2.71	23	2.89	9	2.44
22	2.61	25	2.84	31	2.87	16	2.49
29	2.17	Nov. 1	2.90	June 6	3.21	23	2.67
Apr. 5	2.34	8	2.73	13	3.70	31	2.58
12	2.40	15	2.77	20	4.04	Feb. 6	2.51
19	2.91	22	2.68	27	4.28	13	2.46
26	2.91	29	2.42	July 4	4.35	20	2.47
May 3	2.56	Dec. 6	2.54	11	4.80	27	2.44
10	2.84	13	2.58	18	5.20	Mar. 5	2.52
17	3.31	20	2.61	25	5.62	12	2.55
24	3.68	27	2.67	Aug. 1	5.90	19	2.51
31	3.92	Jan. 3, 1959	2.37	8	6.19	26	2.47
June 7	4.20	10	2.44	15	6.51	Apr. 2	2.54
14	2.75	17	2.38	22	6.76	9	2.61
21	2.19	24	2.26	29	6.95	17	2.58
28	2.49	31	2.35	Sept. 5	7.15	21	2.86
July 5	3.26	Feb. 7	2.54	12	7.37	24	3.00
12	2.21	14	2.78	19	7.60	30	3.32
19	2.87	21	2.71	Oct. 3	5.84	Mar. 8	3.51
26	3.51	28	2.59	10	5.17	14	2.39
Aug. 2	3.15	Mar. 7	2.36	17	4.72	21	2.49
9	2.79	15	2.60	24	3.11	29	2.97
14	2.53	22	2.47	31	2.40	June 5	2.89

Cu 5--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 11, 1960	3.37	Feb. 5, 1961	6.10	Sept. 30, 1961	6.89	May 26, 1962	3.85
19	2.86	12	5.33	Oct. 7	6.97	June 3	3.97
25	3.27	19	2.41	15	7.09	7	4.40
July 2	3.36	26	2.33	22	7.20	10	4.20
9	3.87	Mar. 6	2.33	29	7.31	17	2.69
17	4.29	12	2.50	Nov. 5	7.44	23	3.04
23	4.56	20	2.34	13	7.62	30	3.65
31	4.83	26	2.56	19	7.70	July 8	4.17
Aug. 6	5.18	Apr. 1	2.45	26	7.25	14	4.68
13	5.40	9	2.39	Dec. 3	5.37	22	5.07
20	5.70	15	2.34	10	4.51	28	5.02
27	5.94	23	2.33	17	2.87	Aug. 5	5.57
Sept. 3	6.37	29	2.58	22	2.34	12	6.08
10	6.53	May 6	2.34	30	2.61	18	6.41
17	6.65	13	2.48	Jan. 6, 1962	2.32	26	6.96
25	6.87	20	2.43	13	2.77	Sept. 2	6.97
Oct. 3	7.10	27	3.00	20	2.87	8	6.93
9	7.26	June 4	3.01	30	2.88	16	6.99
16	7.48	11	3.27	Feb. 4	3.04	22	7.02
23	7.62	19	3.45	11	3.25	30	6.79
30	7.84	26	3.76	18	3.32	Oct. 7	6.92
Nov. 5	7.90	July 2	4.08	25	3.45	14	7.09
12	7.95	8	4.37	Mar. 3	3.16	21	6.63
19	8.19	17	4.77	10	3.39	28	6.01
26	8.38	22	4.99	18	3.57	Nov. 4	5.74
Dec. 4	8.52	29	5.25	24	3.33	11	5.24
10	8.68	Aug. 6	5.31	31	2.26	18	4.76
17	8.81	13	5.57	Apr. 9	2.33	25	4.23
24	8.90	20	5.79	15	2.33	Dec. 2	3.47
Jan. 1, 1961	8.85	27	5.98	29	2.84	8	2.92
8	8.43	Sept. 2	6.06	May 6	2.71	15	2.80
15	7.97	11	6.38	14	3.07	22	2.62
23	7.51	16	6.52	20	3.48	31	2.67
28	6.92						

Chemung County

Cm 83. Wallace Dailey. Near Lowman. Lat 42°04'43", long 76°41'01". Dug garden water-table well in glacial till of Pleistocene age, diam 30 in, depth 21 ft, stone-lined. Lsd about 1,480 ft above msl. MP top edge of wooden cover at 1½-in hole, at lsd. Usually less than 10 gpd pumped when used. During October 1959 a well was drilled approximately 76 ft deep in the center of this dug well, which was then backfilled. Highest water level 2.30 below lsd, Mar. 26, 1955; lowest 12.93 below lsd, Oct. 23, 1954. Records available: 1946-59. Measurement discontinued.

Mar. 3, 1958	5.10	July 19, 1958	7.05	Dec. 20, 1958	4.10	May 9, 1959	4.88
8	4.18	26	7.60	27	5.17	16	6.34
15	3.16	Aug. 2	8.50	Jan. 3, 1959	6.17	23	7.60
22	3.04	9	9.34	10	5.90	30	8.70
29	2.76	23	9.59	17	7.62	June 13	10.10
Apr. 5	2.55	Sept. 6	11.20	24	7.79	20	10.54
12	3.30	13	11.10	31	7.39	27	10.9
19	3.12	20	10.86	Feb. 7	7.35	July 4	11.24
26	3.15	27	10.42	14	7.25	11	11.50
May 3	3.10	Oct. 4	9.65	21	8.05	18	11.75
10	3.05	11	9.33	28	9.10	25	11.9
17	3.65	18	9.49	Mar. 7	9.37	31	12.08
24	4.9	25	9.44	14	9.39	Aug. 8	12.10
31	6.15	31	8.74	21	9.15	22	12.10
June 7	7.80	Nov. 8	5.30	28	8.27	29	12.12
14	7.90	15	4.9	Apr. 4	6.60	Sept. 5	11.78
21	6.35	22	3.40	11	3.10	12	11.82
27	6.66	29	3.74	18	4.35	19	11.84
July 5	7.80	Dec. 6	3.18	25	4.80	26	11.86
12	7.73	13	3.58	May 2	4.86		

Cm 84. Remington Rand, Inc. South Main St., Elmira. Lat 42°04'17", long 76°47'47". Drilled unused artesian well in glacial outwash of Pleistocene age, diam 8 in, depth 257 ft. Lsd about 850 ft above msl. MP top south edge of metal plate, at lsd. Highest water level 15.08 below lsd, May 12, 1958; lowest 22.50 below lsd, Jan. 16, 1961. Records available: 1947-61. Measurement discontinued. Water level affected by nearby industrial pumping.

Cm 84--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	18.06	Nov. 3, 1958	16.74	Aug. 31, 1959	17.85	Jul. 11, 1960	16.90
13	17.85	10	16.71	Sept. 8	17.16	18	16.95
20	17.83	17	16.68	16	17.10	25	16.90
27	17.79	24	16.62	21	17.05	Aug. 1	17.1
Feb. 3	17.74	Dec. 1	16.60	28	17.21	8	17.30
10	17.71	8	16.57	Oct. 5	16.48	15	17.34
17	17.63	15	16.56	12	16.89	22	17.65
24	17.56	22	16.65	19	16.74	29	17.90
Mar. 3	17.20	29	16.69	26	16.62	Oct. 3	18.56
10	17.05	Jan. 5, 1959	16.78	Nov. 2	16.43	10	18.60
17	16.84	12	16.88	9	16.23	17	18.7
24	16.56	19	16.93	16	16.30	24	18.96
31	15.98	26	16.29	23	16.46	31	19.16
Apr. 7	15.62	Feb. 2	16.28	30	16.72	Nov. 7	19.52
14	15.40	9	16.39	Dec. 7	16.35	14	20.09
21	15.43	16	16.15	14	16.30	21	20.13
28	15.12	23	16.28	21	17.00	28	20.32
May 5	15.10	Mar. 2	16.42	Jan. 4, 1960	15.5	Dec. 5	20.21
12	15.08	9	16.29	11	16.10	12	21.46
19	15.38	16	16.24	18	17.80	19	22.05
26	15.77	23	16.16	25	18.01	26	22.18
June 2	16.00	30	16.11	Feb. 1	17.54	Jan. 3, 1961	22.3
9	16.27	Apr. 6	15.99	8	16.27	9	22.42
16	16.19	13	15.98	15	16.70	16	22.50
23	16.34	20	16.16	22	16.18	23	22.44
30	16.50	22	16.26	29	16.29	30	22.36
July 7	16.72	27	16.42	Mar. 7	16.42	Feb. 6	22.36
14	16.69	May 4	16.30	14	16.55	13	22.33
21	16.76	11	16.27	21	16.72	20	22.00
28	16.87	18	16.40	28	16.65	27	18.
Aug. 4	16.88	25	16.58	Apr. 4	15.75	Mar. 6	17.40
11	16.95	June 1	16.67	11	15.58	13	17.10
16	17.10	8	16.90	18	15.80	27	16.69
18	17.04	15	17.00	25	16.08	Apr. 3	16.59
25	17.10	22	17.30	May 2	16.30	10	16.62
Sept. 1	17.25	29	17.65	9	16.40	17	16.17
8	17.20	July 7	17.88	16	15.94	24	16.06
15	16.94	13	18.13	23	15.93	May 1	15.78
22	16.92	20	18.37	31	15.75	8	16.13
29	16.76	27	18.57	June 6	16.08	15	16.21
Oct. 6	16.72	Aug. 3	18.59	13	16.3	22	16.31
13	16.74	10	18.62	20	16.30	29	16.61
20	16.78	17	18.70	27	16.46	June 5	16.72
27	16.84	24	18.50	July 5	16.56	12	16.76

Cortland County

C 19. City of Cortland. Broadway, Cortland. Lat 42°35'45", long 76°11'45". Dug unused water-table well in glacial gravel of Pleistocene age, diam 6 in, depth 13 ft, cased to 13, open end. Lsd about 1,150 ft above msl. MP top inner step of flange, 2.45 ft below lsd. Highest water level 2.98 below lsd, Apr. 5, 1947; lowest 8.66 below lsd, Oct. 6, 1962. Records available: 1947-62. Water level may be affected from nearby municipal supply wells and by near-by stream.

Jan. 4, 1958	5.08	May 10, 1958	4.18	Sept. 13, 1958	5.88	Jan. 24, 1959	4.19
11	4.90	17	4.25	20	5.82	30	4.15
18	4.85	24	4.36	27	5.74	Feb. 7	4.26
25	4.83	31	4.60	Oct. 4	5.69	14	4.40
Feb. 1	4.75	June 7	4.55	11	5.85	21	(j)
8	4.85	14	4.35	18	5.98	28	(j)
15	4.88	21	4.55	25	5.93	Mar. 7	(j)
22	4.93	28	4.69	Nov. 1	5.78	14	(j)
Mar. 1	4.61	July 5	4.85	8	5.78	21	(j)
8	4.42	12	4.95	15	5.75	28	(j)
15	4.35	19	5.08	22	5.74	Apr. 4	(j)
22	4.35	26	5.25	29	5.08	11	(j)
29	4.42	Aug. 2	5.38	Dec. 6	4.97	18	(j)
Apr. 5	3.33	9	5.37	13	5.00	24	4.7
12	3.47	16	5.40	20	4.99	25	(j)
19	3.39	23	5.57	27	5.13	May 2	4.72
26	4.11	30	5.68	Jan. 3, 1959	5.11	9	4.95
May 3	4.23	Sept. 6	5.90	10	5.22	16	4.98

C 19--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 23, 1959	5.20	Apr. 23 1960	4.44	Apr. 1, 1961	k4.35	Feb. 17, 1962	5.02
30	5.30	30	4.39	8	k4.48	24	5.05
June 6	5.41	May 7	4.61	15	k3.85	Mar. 3	4.91
13	5.49	14	4.54	22	k3.76	10	5.02
20	5.55	21	4.82	24	j3.87	17	4.80
27	5.63	28	4.86	29	3.69	24	4.62
July 4	5.74	June 4	4.79	May 6	4.06	31	4.57
11	5.90	18	4.64	13	4.13	Apr. 7	4.50
18	6.52	25	4.78	20	4.32	14	4.30
25	6.47	July 2	4.93	27	4.44	21	4.42
Aug. 8	6.53	9	5.05	June 3	4.55	28	4.56
15	6.75	16	5.16	10	4.55	May 5	4.64
22	7.00	23	5.40	17	4.45	12	4.80
29	7.02	30	5.55	24	4.35	20	4.97
Sept. 5	7.20	Aug. 6	5.65	July 1	4.49	26	5.11
13	7.68	13	5.74	8	4.67	June 2	5.23
19	7.93	20	6.40	15	4.71	9	5.31
26	8.11	27	6.49	22	4.98	13	5.35
Oct. 3	8.25	Sept. 3	6.53	29	5.04	16	5.40
10	7.45	10	6.35	Aug. 5	4.78	23	5.59
17	7.30	17	6.25	12	4.82	30	5.75
24	7.13	24	6.22	19	5.01	July 7	6.03
Nov. 7	5.77	Oct. 1	6.90	26	4.87	14	6.26
14	5.24	8	6.75	Sept. 2	5.00	21	6.49
21	4.83	15	7.58	9	5.08	28	6.65
28	4.55	22	7.82	16	5.13	Aug. 4	6.98
Dec. 5	4.57	Nov. 5	7.68	23	5.38	11	7.25
12	4.22	12	7.33	30	5.44	18	7.46
19	3.88	19	7.22	Oct. 7	5.52	25	7.90
26	3.81	26	7.10	14	5.65	Sept. 8	8.37
Jan. 2, 1960	3.75	Dec. 3	7.35	21	6.20	15	8.45
9	3.94	10	7.42	28	6.37	22	8.53
16	4.26	17	7.65	Nov. 4	6.29	30	8.64
23	4.55	24	7.60	11	6.30	Oct. 6	8.66
30	4.59	Jan. 7, 1961	8.11	18	6.32	13	8.37
Feb. 6	4.67	14	8.10	25	6.61	20	8.30
13	3.85	21	8.18	Dec. 2	6.30	27	8.45
20	4.05	28	8.20	9	6.48	Nov. 3	8.50
27	4.32	Feb. 4	8.17	16	6.40	10	8.45
Mar. 5	4.38	11	8.11	23	6.25	17	7.52
12	4.27	18	7.76	30	6.30	24	7.11
19	4.83	25	7.40	Jan. 6, 1962	5.35	Dec. 1	7.19
26	5.01	Mar. 4	3.95	12	5.50	8	6.54
Apr. 2	3.23	11	3.9	27	4.70	15	6.35
9	3.55	18	4.15	Feb. 3	4.80	22	5.70
16	3.75	25	k4.38	10	4.80	29	6.13
19	3.98						

j Water surface frozen.

k Measurement made after breaking up frozen water surface.

Dutchess County

Du 321. U. S. National Park Service. Near Hyde Park. Lat 41°47'38", long 73°56'33". Drilled unused artesian well, diam 6 in, depth 128 ft. Lsd about 170 ft above msl. MP top of casing, 3.10 ft above lsd. Highest water level 65.62 below lsd, June 22, 1953; lowest 71.44 below lsd, Nov. 12, 1957. Records available: 1948-50, 1953-62.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	71.01	70.73	.....	.....	69.47	69.28	69.38	69.55	69.93	69.74	69.49	69.33
10	70.86	70.75	70.46	.....	69.32	69.18	69.31	69.61	69.84	69.73	69.43	69.48
15	70.81	.....	70.26	.....	69.39	69.16	69.39	69.67	70.00	69.89	69.60	69.51
20	70.99	.....	.....	.....	69.23	69.31	69.37	69.78	69.84	69.89	69.52	69.42
25	70.78	.....	.....	69.64	69.23	69.29	.....	69.70	69.86	69.70	69.67	69.47
Eom	70.68	.....	.....	69.55	69.18	69.38	.....	69.78	69.85	69.55	69.44	69.59

Du 321--Continued.

1959											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	69.36	69.35	69.53	69.18	69.22	69.33	69.8	69.82	70.24	70.58	70.21 69.86
10	69.48	69.38	69.43	69.27	69.25	69.46	69.76	69.74	70.29	70.47	70.12 69.77
15	69.51	69.40	69.43	69.16	69.13	69.41	69.77	69.92	70.32	70.51	70.02 69.73
20	69.67	69.36	69.46	69.12	69.29	69.49	69.69	70.02	70.53	70.53	69.95 69.75
25	69.50	69.49	69.41	69.20	69.35	69.64	69.70	70.10	70.51	70.19	69.70 69.83
Eom	69.53	69.55	69.38	69.11	69.35	69.64	69.82	70.12	70.56	70.35	69.77 69.51
1960											
5	h69.50	69.50	68.82	68.41	68.48	68.52	68.66	68.91	69.05	68.00	69.03 69.26
10	69.52	69.24	.....	68.44	68.25	68.67	68.85	68.83	69.16	68.00	69.15 69.22
15	69.31	69.13	.....	68.46	68.35	68.54	68.81	68.89	68.89	69.10	69.14 69.20
20	69.36	68.96	.....	68.48	68.52	68.57	68.91	68.83	68.85	68.94	69.11 69.35
25	69.57	69.12	e68.85	68.28	68.40	68.51	69.04	68.96	68.92	68.85	69.20 69.39
Eom	69.52	68.99	68.67	68.43	68.52	68.69	68.83	69.02	68.85	69.09	69.04 e69.3
1961											
5	69.33	.....	69.01	68.46	68.04	67.78	67.71	.....	68.56	68.96	69.45 e69.35
10	69.44	69.42	68.73	68.52	67.85	67.63	67.83	68.25	68.69	69.07	69.25 69.54
15	69.31	69.57	68.77	68.36	67.82	67.64	67.89	68.39	68.67	69.01	69.40 69.53
20	e69.3	69.46	68.87	68.34	67.86	67.69	67.89	68.48	68.85	69.12	69.37 69.31
25	.....	69.07	68.64	68.04	67.80	67.66	67.96	68.50	68.81	69.26	69.33 69.36
Eom	.....	69.09	68.58	68.02	67.75	67.72	68.09	68.48	68.99	e69.23	69.32 69.53
1962											
5	h69.64	69.42	e69.59	69.33	e69.03	69.28	.....	70.29	70.71	70.84	70.77 70.63
10	.....	e69.55	e69.65	68.96	69.12	69.42	e69.8	70.29	70.80	70.79	70.71 70.51
15	.....	e69.55	.....	68.91	69.18	69.38	69.90	70.35	70.84	70.97	70.77 70.71
20	.....	e69.62	.....	69.01	69.09	69.44	70.07	70.44	70.84	70.90	70.84 70.73
25	69.38	e69.62	69.25	69.03	69.11	69.56	70.07	70.60	70.96	70.96	70.86 70.80
Eom	69.41	e69.58	69.27	69.08	69.27	69.68	70.24	70.57	70.92	70.82	70.82 70.65

e Estimated.

h Tape measurement.

Genesee County

Gs 2. Paul Rigoni. Near Pavilion. Lat 42°55'16", long 78°03'17". Dug unused water-table well in glacial till of Pleistocene age, diam 36 in, depth 21 ft, stone-lined. Ls 1 about 1.045 ft above msl. MP painted arrow on top edge of 2 x 4 inside tape gage opening, 0.57 ft above lsd. Highest water level 0.10 below lsd, May 14, 1960; lowest 6.55 below lsd, Feb. 11, 1961. Records available: 1950-62. Water overflows top of stone curbing when level rises to approximately 0.5 ft below lsd.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	1.64	Aug. 2, 1958	2.95	Feb. 28, 1959	(j)	Oct. 24, 1959	2.07
11	1.90	9	3.24	Mar. 28	0.70	31	1.14
20	2.14	12	3.36	Apr. 4	.65	Nov. 7	1.13
25	1.87	16	3.49	11	.75	14	1.11
Feb. 1	1.70	23	3.75	18	1.34	21	1.10
8	1.68	30	3.85	25	1.69	28	.97
15	1.67	Sept. 6	4.04	May 2	1.42	Dec. 5	.75
22	.68	13	4.14	9	1.91	12	.52
Mar. 1	.56	20	4.09	16	1.85	19	.83
8	.76	27	3.69	23	2.09	26	1.70
15	.86	Oct. 4	3.52	31	2.28	Jan. 2, 1960	.94
22	.71	11	3.72	June 6	2.26	9	.97
29	.62	18	2.55	14	2.52	16	.63
Apr. 5	.79	25	2.28	20	2.70	23	1.02
14	.92	Nov. 1	1.68	27	2.87	30	1.07
19	1.51	9	1.97	July 4	2.99	Feb. 6	.68
26	1.43	15	1.68	11	3.19	13	.87
May 3	1.42	22	1.38	18	3.42	21	.90
13	1.73	29	1.12	25	3.46	28	.95
17	1.94	Dec. 6	.72	Aug. 1	3.68	Mar. 5	1.00
24	2.22	13	1.12	9	3.95	12	1.09
31	2.41	20	.85	15	4.09	19	.87
June 7	2.52	27	1.06	22	4.22	27	.6
10	2.48	Jan. 3, 1959	.67	29	4.44	Apr. 2	.72
16	1.78	10	1.35	Sept. 5	4.54	9	.89
21	2.10	17	.74	12	4.74	16	.94
28	2.29	24	(j)	19	4.90	22	1.09
July 5	2.31	31	(j)	26	5.02	23	1.15
12	2.34	Feb. 7	(j)	Oct. 2	4.58	30	1.61
19	2.57	14	(j)	10	1.38	May 6	1.98
26	2.78	21	(j)	17	1.97	14	.10

Gs 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 21, 1960	1.62	Jan. 28, 1961	6.37	Sept. 23, 1961	3.62	May 12, 1962	1.80
28	1.46	Feb. 4	6.47	30	3.79	19	2.19
June 4	1.74	11	6.55	Oct. 9	3.92	26	1.74
11	2.14	18	5.57	14	3.99	June 2	2.20
18	1.58	25	.92	21	4.15	5	2.21
25	2.02	Mar. 4	1.11	28	4.28	9	1.70
July 2	2.30	12	1.12	Nov. 4	4.38	16	1.38
9	2.56	19	1.02	11	4.51	23	1.73
16	2.65	25	.78	18	4.49	30	2.19
23	2.89	Apr. 1	1.22	27	4.50	July 7	2.52
30	3.13	8	.83	Dec. 2	4.60	14	2.77
Aug. 6	3.31	15	.80	9	4.33	21	3.00
13	3.44	22	1.12	16	3.57	28	3.14
20	3.57	26	.66	23	2.92	Aug. 4	3.38
27	3.76	29	.76	30	3.05	11	3.50
Sept. 3	3.99	May 6	1.25	Jan. 6, 1962	3.00	18	3.68
10	4.24	13	1.12	13	2.00	25	3.86
17	4.46	22	1.30	20	(j)	Sept. 1	4.01
24	4.65	27	1.27	22	1.94	8	4.22
Oct. 1	4.84	June 5	1.48	27	1.56	15	4.50
7	4.94	10	.74	Feb. 3	(j)	22	4.61
14	5.09	17	1.82	10	1.65	29	1.51
22	5.24	24	1.79	17	2.35	Oct. 6	.96
29	5.30	July 1	2.16	24	2.35	13	1.61
Nov. 5	5.42	8	2.28	Mar. 3	(j)	20	2.02
12	5.54	15	2.52	8	1.66	27	2.07
19	5.65	22	2.63	10	1.48	Nov. 3	1.43
26	5.77	29	2.88	17	1.09	10	.71
Dec. 3	5.86	Aug. 5	2.85	24	.76	17	1.23
10	5.91	12	2.32	31	.99	24	.79
16	6.01	19	2.46	Apr. 7	.75	Dec. 1	1.31
24	6.12	26	2.69	14	.67	8	.75
31	6.17	Sept. 2	2.97	21	1.18	15	1.50
Jan. 7, 1961	6.22	9	3.22	28	1.64	22	1.31
14	6.21	16	3.42	May 5	1.11	29	1.63
21	6.27						

j Water surface frozen.

Greene County

G 1. Fred Kropp. Formerly Alex Kreil. Near West Coxsackie. Lat 42°23'20", long 73°48'19". Dug domestic water-table well in glacial till (?) of Pleistocene age, diam 36 in, depth 19 ft, tile-lined to 2, stone-lined to 19. Lsd about 125 ft above msl. MP chiseled square on top of inner step on curb, 0.18 ft below lsd. Highest water level 1.07 below lsd, Mar. 15, 1962; lowest 14.53 below lsd, July 25, 1962. Records available: 1945-62.

Jan. 1, 1958	2.73	July 4, 1958	5.01	Jan. 2, 1959	4.99	June 21, 1959	6.05
8	3.63	11	4.87	9	5.51	28	6.34
21	4.31	18	4.96	16	5.76	July 5	6.68
29	1.99	25	5.12	23	4.75	14	7.10
Feb. 5	2.61	Aug. 1	5.36	30	5.22	19	7.33
12	3.25	8	5.64	Feb. 6	5.88	26	6.55
21	3.21	15	5.94	14	6.53	Aug. 4	6.76
26	3.13	22	6.22	21	6.79	9	6.66
Mar. 5	1.63	29	6.39	28	7.13	16	6.64
12	1.72	Sept. 5	6.65	Mar. 7	7.04	23	6.97
19	1.83	12	6.93	14	6.92	30	6.97
26	1.84	19	7.02	21	6.36	Sept. 7	4.98
Apr. 2	2.49	29	6.69	28	5.50	13	5.07
9	2.17	Oct. 3	6.26	Apr. 4	1.93	20	5.72
16	2.61	10	6.31	11	2.19	27	6.46
23	3.27	17	6.59	21	3.60	Oct. 4	6.37
30	2.46	24	4.67	25	3.89	12	4.30
May 7	2.49	31	3.55	May 2	2.57	19	4.47
16	3.16	Nov. 7	3.10	9	3.38	25	3.29
23	3.44	14	3.21	16	3.82	Nov. 1	3.78
30	3.94	21	3.28	18	3.89	8	3.44
June 6	4.03	28	2.32	23	4.32	17	3.51
13	3.81	Dec. 12	3.28	30	4.86	22	3.83
20	4.38	19	4.21	June 7	5.20	29	2.63
27	4.77	26	4.68	16	5.73	Dec. 6	3.07

G 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 13, 1959	2.60	Sept. 20, 1960	2.19	June 30, 1961	4.80	Apr. 4, 1962	2.38
20	3.28	29	3.70	July 9	6.65	11	2.50
30	2.80	Oct. 4	3.51	16	6.62	18	2.91
Jan. 3, 1960	2.03	11	4.17	23	6.80	25	3.25
10	3.15	18	4.74	30	7.38	May 2	2.62
17	3.97	25	4.00	Aug. 6	8.69	9	4.08
24	4.03	Nov. 1	4.06	13	8.01	23	6.09
31	4.19	8	4.41	20	9.42	28	6.61
Feb. 7	3.84	15	4.56	27	9.77	30	7.48
15	2.98	22	4.98	Sept. 3	8.68	June 6	8.08
21	2.79	29	4.19	10	10.11	13	7.60
28	3.11	Dec. 6	4.53	17	10.95	20	8.31
Mar. 7	4.04	13	4.74	24	11.71	27	10.1
13	4.34	20	5.12	Oct. 1	11.95	July 4	11.89
22	4.10	27	5.03	8	12.82	11	12.81
27	4.12	Jan. 3, 1961	5.15	18	12.57	20	14.20
Apr. 5	1.61	10	5.79	22	12.92	25	14.53
12	2.64	17	6.26	29	13.23	Aug. 1	14.46
19	2.68	24	6.36	Nov. 7	13.61	8	14.40
26	2.48	31	6.94	14	13.00	15	14.31
May 3	2.90	Feb. 7	6.81	25	11.41	22	14.26
10	3.53	14	6.72	28	10.81	29	14.30
17	3.78	21	5.42	Dec. 5	9.98	Sept. 5	14.30
24	2.92	28	1.62	12	9.73	12	14.28
31	3.32	Mar. 7	1.89	19	9.14	19	14.28
June 7	3.38	15	1.96	26	7.80	28	14.28
16	3.32	21	2.55	Jan. 1, 1962	7.29	Oct. 5	14.29
21	3.72	28	1.98	10	7.40	12	14.21
28	4.11	Apr. 4	2.04	17	5.09	19	14.07
July 5	4.06	11	2.30	24	4.93	28	13.97
14	3.67	18	2.34	31	5.25	Nov. 4	13.86
19	4.12	25	2.56	Feb. 7	6.81	11	13.62
26	4.76	May 2	2.53	15	6.27	18	13.27
Aug. 2	3.25	9	2.18	21	7.74	26	12.83
9	4.26	16	2.55	28	8.37	Dec. 2	12.73
16	4.38	23	3.76	Mar. 7	7.85	9	11.68
23	5.19	30	2.91	15	1.07	16	12.80
30	5.45	June 8	3.52	21	2.03	25	13.89
Sept. 8	6.18	16	3.65	28	2.61	30	10.61
13	2.50	23	4.05				

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 (?) of Pleistocene age, diam 4 ft, depth 28 ft, store-lined. Lsd about 790 ft above msl. MP top of floorboard, 1.50 ft above lsd. Highest water level 0.3 below lsd, Mar. 15, 1945; lowest 9.74 below lsd, Nov. 29, 1952. Records available: 1942-62.

Jan. 27, 1958	7.0	June 26, 1959	5.5	Aug. 25, 1960	5.8	Nov. 25, 1961	7.2
Feb. 26	6.3	July 26	6.9	Sept. 26	7.0	Dec. 26	6.0
Mar. 25	3.95	Aug. 25	7.8	Oct. 26	8.4	Jan. 25, 1962	5.9
Apr. 25	4.18	Sept. 23	8.5	Dec. 27	6.0	Feb. 26	5.6
May 25	4.57	Oct. 26	4.8	Jan. 25, 1961	6.1	Mar. 24	5.0
July 25	5.0	Nov. 25	4.7	Feb. 27	6.0	Apr. 25	4.4
Aug. 25	5.0	Dec. 24	4.3	Mar. 25	4.8	May 25	4.9
Sept. 25	5.3	Jan. 26, 1960	4.6	Apr. 25	3.2	June 4	4.96
Oct. 27	5.28	Feb. 25	4.4	Apr. 26	3.40	June 25	5.0
Nov. 25	4.68	Mar. 25	4.6	May 25	4.3	Aug. 1	6.4
Dec. 26	5.07	Apr. 22	4.50	June 28	4.0	Aug. 30	6.8
Jan. 23, 1959	4.6	May 25	4.6	July 25	5.1	Sept. 25	7.7
Feb. 25	5.1	May 25	3.9	Aug. 28	5.2	Oct. 25	6.4
Mar. 26	4.9	June 27	4.8	Sept. 25	6.2	Nov. 25	5.6
Apr. 30	4.6	July 25	5.4	Oct. 25	6.8	Dec. 27	5.2

Montgomery County

Mt 1. Floyd Groff. Near St. Johnsville. Lat 43°01'43", long 74°42'38". Dug unused water-table well in glacial till of Pleistocene age, diam 24 in, depth 12 ft, stone-lined. Lsd about 720 ft above msl. MP top edge of limestone slab at northeast corner of well opening, at lsd. Highest water level 4.08 below lsd, Apr. 15, 1948; lowest 9.99 below lsd, Aug. 28, 1949. Records available: 1942-62.

Mt 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	6.37	Apr. 11, 1959	5.72	July 9, 1960	7.39	Oct. 7, 1961	8.10
11	6.79	18	5.87	16	7.61	14	8.28
18	7.18	25	6.19	23	7.79	21	8.42
25	7.28	May 2	6.18	30	7.93	28	8.41
Feb. 1	7.29	9	6.52	Aug. 6	7.90	Nov. 4	8.25
8	7.42	16	6.84	13	7.81	11	7.85
15	7.65	23	7.08	20	7.84	18	7.67
22	7.91	30	7.28	27	7.92	25	7.34
Mar. 1	7.71	June 6	7.49	Sept. 3	8.09	Dec. 2	7.05
8	7.29	13	7.82	10	8.21	9	7.19
15	6.68	20	8.00	17	6.89	16	7.12
22	6.12	27	8.18	24	7.19	23	7.18
29	5.26	July 3	8.37	Oct. 1	7.44	30	7.35
Apr. 5	5.61	4	8.39	8	7.57	Jan. 6, 1962	7.46
12	5.38	11	8.59	15	7.73	13	7.03
19	5.86	18	8.83	22	7.72	20	7.15
26	5.93	25	9.05	29	7.61	27	7.41
May 3	6.05	Aug. 1	9.26	Nov. 5	7.52	Feb. 3	7.67
10	6.12	8	9.33	12	7.42	10	7.89
17	6.2	15	9.17	19	7.39	17	8.17
24	6.21	23	9.51	26	7.54	24	8.28
31	6.68	29	9.56	Dec. 3	7.65	Mar. 3	8.16
June 7	6.58	Sept. 5	9.39	10	7.73	10	8.19
14	6.91	12	9.65	17	7.92	17	7.78
21	7.23	19	9.76	24	8.09	24	7.17
28	7.54	26	9.91	31	8.19	31	6.82
July 5	7.89	Oct. 3	9.45	Jan. 7, 1961	8.28	Apr. 7	5.44
12	7.85	10	8.69	14	8.29	14	4.49
19	7.98	17	8.42	22	8.39	21	5.36
26	8.17	24	8.47	28	8.58	28	5.92
Aug. 2	8.32	31	7.82	Feb. 4	8.77	May 5	5.84
9	8.52	Nov. 7	6.63	11	8.90	12	6.39
16	8.57	14	6.96	18	8.86	19	6.65
23	8.61	21	6.85	25	7.76	26	6.98
30	8.62	28	5.06	Mar. 4	6.98	June 2	7.32
Sept. 6	8.63	Dec. 7	5.90	11	6.75	9	7.55
13	8.36	12	5.49	18	7.06	14	7.75
20	7.98	19	5.61	25	7.08	16	7.82
26	7.57	26	6.38	Apr. 1	6.31	23	8.13
27	7.58	Jan. 3, 1960	6.58	8	6.47	30	8.39
Oct. 4	7.59	9	6.65	15	5.18	July 7	8.70
11	7.75	16	7.05	22	5.15	14	8.89
18	7.94	24	7.37	27	5.06	21	9.04
25	7.74	Feb. 1	7.56	29	5.02	28	8.98
Nov. 1	6.62	6	7.61	May 6	5.46	Aug. 4	9.18
8	7.06	13	6.69	13	5.35	11	8.62
15	7.27	20	6.93	20	5.98	18	8.40
22	6.76	27	7.11	27	6.52	25	8.68
29	6.61	Mar. 5	7.29	June 3	6.81	Sept. 2	8.79
Dec. 6	6.78	12	7.59	10	6.97	8	8.65
12	6.82	19	7.76	17	6.08	15	8.79
20	7.22	26	7.75	24	6.42	22	8.88
27	7.54	Apr. 2	6.38	July 1	6.89	29	8.72
Jan. 3, 1959	7.71	9	5.44	8	7.25	Oct. 6	8.50
10	7.92	16	5.45	15	6.31	13	7.80
17	8.18	23	5.70	22	6.29	20	7.77
24	7.46	29	5.17	29	6.72	27	7.92
31	7.64	30	5.29	Aug. 5	7.11	Nov. 3	7.69
Feb. 7	7.92	May 7	6.01	12	7.49	10	7.45
14	8.11	14	6.49	19	7.84	17	7.30
21	8.06	21	6.54	26	7.94	24	7.14
28	8.31	28	6.26	Sept. 2	7.48	Dec. 1	6.96
Mar. 7	7.82	June 4	6.54	9	7.15	8	6.59
14	7.75	10	6.87	16	7.56	15	6.76
21	7.27	18	6.57	23	7.85	22	7.19
28	6.83	25	6.61	30	8.09	29	7.54
Apr. 4	6.28	July 2	7.07				

Oneida County

Oe 151. Henry Rubyor. Woodgate. Lat 43°31'13", long 75°09'15". Dug domestic water-table well in glacial sand of Pleistocene age, diam 36 in, depth 31 ft, stone-lined. Lsd 1484.94 ft above msl. MP top of 2-ft square concrete well cover at midpoint of south side of rectangular opening, 1.00 ft above lsd (since Apr. 1, 1961). Highest water level 12.31 below lsd, Apr. 4, 1943; lowest 30.31 below lsd, Feb. 25, 1961. Records available: 1926-45, 1948-62. Measurements from 1926 to 1945 (some from recorder graph) from Black River Regulating District records unless footnoted otherwise. U.S. Geol. Survey record begins on Oct. 27, 1948 when non-recording gage was installed.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 23, 1926	21.57	Jan. 24, 1932	18.0	Aug. 29, 1936	25.39	July 31, 1941	25.06
Aug. 18	22.95	Feb. 28	16.7	Sept. 26	26.71	Aug. 19	25.79
Sept. 28	24.00	Mar. 28	19.8	Oct. 31	26.94	Sept. 30	25.34
Oct. 27	22.32	Apr. 24	14.5	Nov. 28	23.04	Oct. 31	25.77
Nov. 24	15.99	May 30	18.0	Dec. 26	23.20	Nov. 30	23.25
Jan. 21, 1927	21.80	June 27	21.2	Jan. 30, 1937	17.14	Dec. 31	23.00
Mar. 12	24.21	July 24	23.4	Feb. 27	18.17	Jan. 24, 1942	21.25
Apr. 27	19.30	Aug. 29	25.0	Mar. 27	20.39	Feb. 29	23.42
May 13	19.96	Sept. 26	26.0	Apr. 24	18.09	Mar. 31	19.60
June 29	20.90	Oct. 31	21.9	May 29	18.15	Apr. 30	17.11
July 29	23.51	Nov. 28	18.3	June 26	20.49	May 31	19.75
Aug. 29	25.28	Dec. 26	20.4	July 22	h22.59	June 30	21.70
Sept. 26	26.41	Jan. 30, 1933	20.8	31	23.44	July 31	23.76
Nov. 2	26.82	Feb. 27	21.5	Aug. 28	24.54	Aug. 31	25.23
Dec. 31	16.6	Mar. 27	22.1	Sept. 4	h24.83	Sept. 30	26.12
Jan. 28, 1928	17.6	Apr. 24	16.4	25	25.85	Oct. 31	24.42
Feb. 25	19.3	May 29	18.9	Oct. 30	26.94	Nov. 21	22.24
Mar. 31	15.5	June 26	21.5	Nov. 27	24.31	Dec. 26	20.55
Apr. 28	14.5	July 31	24.2	Dec. 25	23.51	Jan. 28, 1943	19.84
May 26	17.8	Aug. 28	25.6	Jan. 29, 1938	24.44	Feb. 28	21.62
June 27	20.84	Sept. 25	26.8	Feb. 26	19.05	Mar. 31	12.72
July 29	22.8	Oct. 30	28.2	Mar. 26	15.64	Apr. 30	12.52
Aug. 26	23.9	Nov. 27	28.9	Apr. 30	17.26	May 31	13.78
Sept. 30	25.2	Dec. 25	27.4	May 13	h18.29	June 30	18.06
Oct. 28	25.8	Jan. 28, 1934	25.7	28	20.04	July 31	21.96
Nov. 24	24.4	Feb. 26	26.0	June 25	22.14	Aug. 31	24.16
Dec. 30	19.6	Mar. 26	25.1	July 30	24.31	Sept. 30	25.83
Jan. 27, 1929	18.0	Apr. 30	20.9	Aug. 27	25.35	Oct. 31	26.79
Feb. 24	20.9	May 28	20.7	Sept. 13	h25.71	Nov. 30	24.68
Mar. 31	15.4	June 25	22.4	27	24.36	Dec. 30	25.20
Apr. 28	14.9	July 30	24.5	Oct. 29	23.09	Feb. 29, 1944	27.20
May 26	14.6	Aug. 31	h25.89	Nov. 26	24.58	Mar. 31	26.45
June 30	19.8	Sept. 29	27.10	Dec. 31	21.74	Apr. 30	14.30
July 28	21.4	Oct. 9	h27.3	Jan. 28, 1939	22.85	May 31	16.98
Aug. 25	23.4	27	27.89	Feb. 25	23.45	June 30	20.40
Sept. 29	25.6	Nov. 30	28.03	Mar. 25	20.64	July 31	22.65
Oct. 27	25.9	Dec. 29	24.09	Apr. 29	14.59	Aug. 31	24.60
Nov. 24	25.8	Jan. 26, 1935	19.54	May 27	18.13	Sept. 30	25.80
Dec. 28	21.8	Feb. 23	21.44	June 24	21.15	Oct. 31	26.31
Jan. 26, 1930	16.5	Mar. 30	19.94	July 29	23.94	Nov. 30	26.52
Feb. 23	20.0	Apr. 18	h19.51	Aug. 26	25.39	Dec. 12	26.71
Mar. 31	17.8	28	18.68	Sept. 23	26.66	Mar. 27, 1945	14.36
Apr. 27	16.7	May 25	17.54	Oct. 28	27.89	July 30	22.95
May 25	19.8	June 21	h20.16	Nov. 25	28.41	Aug. 31	25.42
June 29	21.7	22	h20.08	Dec. 30	27.67	Oct. 27, 1948	27.13
July 27	22.4	29	20.36	Jan. 27, 1940	26.72	30	27.27
Aug. 24	24.3	July 27	18.74	Feb. 24	26.98	Nov. 8	27.64
Sept. 28	26.1	Aug. 22	h20.87	Mar. 31	27.72	13	27.77
Oct. 26	27.3	24	21.11	Apr. 27	14.84	20	27.93
Nov. 30	28.4	Sept. 28	23.75	May 25	17.30	27	27.94
Dec. 29	29.0	Oct. 13	h24.60	June 29	20.17	Dec. 6	27.66
Jan. 26, 1931	28.9	27	25.16	July 27	22.59	14	h28.65
Feb. 22	29.1	Nov. 30	24.38	Aug. 27	24.19	18	27.06
Mar. 29	29.5	Dec. 28	23.04	Sept. 30	25.64	27	26.39
Apr. 27	20.2	Jan. 31, 1936	23.84	Oct. 22	26.70	Jan. 1, 1949	26.20
May 24	18.1	Feb. 16	h24.5	Nov. 26	26.64	10	24.99
June 28	20.5	29	25.14	Dec. 28	24.64	15	23.10
July 26	21.6	Mar. 29	h14.14	Jan. 25, 1941	20.84	22	22.65
Aug. 30	21.9	Apr. 25	13.75	Feb. 24	22.13	29	22.25
Sept. 27	24.2	May 14	h15.64	Mar. 31	24.17	Feb. 5	23.12
Oct. 25	24.0	30	17.44	Apr. 28	18.42	14	22.33
Nov. 29	21.1	June 27	20.64	May 31	20.84	19	22.22
Dec. 27	19.8	July 25	23.14	June 30	23.18	26	21.00

Oe 151--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5, 1949	20.93	June 17, 1950	20.21	Oct. 13, 1951	25.61	Feb. 14, 1953	22.25
14	20.92	24	20.80	20	25.98	21	22.46
21	20.96	July 1	21.45	27	26.18	28	21.81
28	15.97	8	22.20	Nov. 3	26.35	Mar. 7	21.15
Apr. 2	14.21	15	22.73	10	26.72	14	20.95
11	14.80	22	23.13	17	26.87	23	19.86
16	14.77	25	23.28	24	26.28	28	17.86
23	15.17	29	23.60	Dec. 1	25.73	Apr. 4	15.53
30	15.02	Aug. 5	24.10	8	25.30	13	16.02
May 7	15.77	12	24.55	15	23.15	18	16.60
14	16.42	19	25.10	22	22.08	25	17.20
21	17.98	28	25.41	31	21.73	May 2	17.62
28	17.92	Sept. 2	25.75	Jan. 5, 1952	21.49	9	15.67
June 4	18.59	9	26.14	12	21.34	16	15.69
11	19.59	16	26.59	19	21.26	23	16.15
18	20.41	23	26.35	26	20.61	30	16.60
25	21.31	30	26.40	Feb. 2	19.84	June 6	17.28
July 2	22.20	Oct. 7	26.42	9	19.25	13	18.00
9	22.66	14	26.38	16	19.22	22	19.18
16	23.56	21	26.55	23	19.66	27	19.75
25	23.98	28	26.84	Mar. 1	20.24	July 4	20.61
Aug. 6	25.02	Nov. 4	26.92	8	21.02	11	21.53
15	26.60	11	26.92	15	20.45	18	22.06
20	25.82	18	26.66	22	20.02	25	22.62
29	25.94	25	26.14	29	19.89	Aug. 1	23.21
Sept. 3	26.19	Dec. 2	24.95	Apr. 5	16.30	8	23.60
10	26.22	9	23.87	12	13.20	15	25.26
17	26.48	16	21.92	16	13.30	24	24.90
24	26.71	23	21.62	19	13.49	29	24.56
Oct. 1	26.77	30	21.88	26	14.20	Sept. 5	25.67
8	26.76	Jan. 6, 1951	22.25	May 3	15.19	14	25.76
15	27.24	13	22.34	10	16.30	19	26.11
22	27.14	20	22.32	17	17.15	26	26.37
29	26.68	27	21.96	26	18.00	Oct. 3	26.77
Nov. 5	26.92	Feb. 6	21.36	31	18.24	10	26.95
14	26.95	10	20.91	June 9	18.68	17	27.46
19	26.92	17	20.74	14	19.20	24	27.55
26	26.73	24	20.63	21	19.95	31	27.90
Dec. 3	26.65	Mar. 3	20.56	28	20.57	Nov. 7	28.25
12	26.23	10	20.78	July 5	21.13	14	28.36
19	25.35	17	20.46	12	21.67	21	28.42
24	24.12	24	19.90	19	21.15	30	28.70
26	22.92	31	16.30	26	21.52	Dec. 5	28.94
27	22.61	Apr. 7	13.48	Aug. 2	22.08	14	29.00
28	22.12	14	13.51	9	22.54	19	28.87
29	21.68	21	12.85	16	22.98	26	28.57
30	21.35	28	12.60	23	23.78	Jan. 2, 1954	28.28
31	21.12	May 5	12.60	30	23.77	9	27.85
Jan. 7, 1950	20.14	9	13.20	Sept. 6	24.23	16	28.00
14	18.33	12	14.02	13	24.75	23	27.94
21	17.50	19	14.68	20	25.36	30	28.00
28	17.25	28	16.31	27	25.31	Feb. 13	27.90
Feb. 4	17.00	June 2	17.20	Oct. 4	25.64	16	27.40
11	17.61	9	18.45	11	26.05	20	26.52
18	18.50	16	19.30	18	26.23	27	21.85
25	19.38	23	19.50	25	26.47	Mar. 6	20.56
Mar. 4	20.02	30	20.60	Nov. 1	26.58	13	19.52
15	20.68	July 7	20.92	8	26.72	20	19.85
18	20.80	14	20.89	15	26.77	27	19.95
25	21.43	21	21.10	24	27.00	Apr. 3	18.50
Apr. 1	19.56	28	21.16	29	27.14	10	17.81
8	14.56	Aug. 4	21.66	Dec. 6	27.28	17	15.58
15	14.70	11	22.23	13	27.28	24	14.45
22	14.86	18	22.82	20	25.51	May 1	13.99
29	14.75	25	23.00	27	24.84	10	13.49
May 6	15.30	Sept. 1	24.22	Jan. 3, 1953	24.40	22	14.60
13	16.10	8	23.86	10	24.47	29	15.86
20	17.20	17	24.31	18	24.68	June 7	17.20
27	18.28	22	24.67	24	24.67	10	17.54
June 3	18.98	29	24.87	31	23.50	14	17.94
10	19.68	Oct. 6	25.42	Feb. 7	22.40	19	18.71

Oe 151--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 26, 1954	19.40	Sept. 18, 1955	k25.96	Oct. 3, 1956	26.37	Feb. 8, 1958	22.95
July 3	20.20	19	k26.05	6	26.28	15	23.50
12	21.00	20	k26.05	13	26.30	22	23.69
17	21.33	21	k26.14	20	26.32	Mar. 1	23.93
24	22.18	22	k26.17	27	26.43	8	24.37
31	22.49	23	k26.16	Nov. 3	26.44	15	24.51
Aug. 7	23.56	24	k26.22	10	26.74	22	24.86
14	24.00	25	k26.33	17	26.63	29	25.24
21	24.52	26	k26.39	Dec. 1	26.79	Apr. 5	24.26
24	24.89	27	k26.39	8	26.22	12	21.95
25	24.90	28	k26.42	15	26.59	19	21.10
Sept. 4	25.37	29	k26.55	22	25.85	26	20.98
11	25.40	30	k26.54	29	25.10	May 3	20.74
18	25.65	Oct. 1	k26.61	Jan. 5, 1957	24.02	10	20.90
25	26.08	2	k26.63	14	23.83	17	20.54
Oct. 2	26.26	3	k26.75	19	23.93	23	20.58
9	26.58	4	k26.71	26	23.69	24	20.53
16	27.02	5	k26.73	Feb. 2	22.36	31	20.64
23	27.31	6	k26.76	9	22.24	June 7	20.88
30	27.32	13	k27.00	16	22.57	14	21.32
Nov. 6	27.56	15	27.18	23	23.04	21	21.60
13	27.77	22	27.38	Mar. 2	22.77	28	22.00
20	27.71	29	27.59	9	22.74	July 5	22.45
27	28.07	Nov. 5	27.61	16	23.20	12	22.60
Dec. 4	28.09	12	27.68	23	22.25	19	23.30
20	27.32	19	27.38	30	22.23	26	23.56
27	27.19	26	27.40	Apr. 6	22.35	Aug. 2	24.02
Jan. 1, 1955	26.73	Dec. 3	27.35	13	22.17	9	24.24
8	25.96	17	26.45	20	21.37	16	24.90
15	25.20	24	26.30	27	20.83	23	25.43
22	24.91	31	26.35	May 4	20.31	28	25.58
29	25.23	Jan. 7, 1956	26.19	11	20.56	Sept. 6	25.75
Feb. 5	25.24	14	26.25	18	20.92	13	26.05
14	25.19	21	26.49	21	21.18	20	26.40
19	25.84	28	26.27	25	21.26	27	26.54
26	25.87	Feb. 4	26.45	June 1	21.09	Oct. 4	26.51
Mar. 5	26.16	11	26.73	8	21.31	11	26.81
12	25.18	18	27.70	15	21.73	18	26.82
19	21.17	25	27.72	22	22.22	25	26.64
26	20.10	Mar. 3	28.00	29	22.55	Nov. 1	25.91
Apr. 2	20.16	10	28.28	July 6	22.80	8	25.17
9	16.12	17	28.28	13	22.27	15	24.89
16	14.29	18	28.4	22	22.16	22	24.79
23	14.09	24	28.76	27	22.50	29	24.98
30	14.39	31	28.92	Aug. 3	22.95	Dec. 6	24.72
May 7	15.10	Apr. 7	27.45	10	23.34	13	24.53
14	16.22	14	23.39	17	23.79	20	24.42
21	17.06	21	19.49	24	24.24	29	24.67
June 4	18.71	28	18.89	31	24.65	Jan. 3, 1959	25.27
11	19.35	May 5	18.50	Sept. 7	25.07	10	25.33
18	19.82	12	18.25	14	25.43	17	25.59
25	20.73	19	18.20	21	25.79	24	25.45
July 2	20.93	26	18.58	28	26.33	31	22.71
9	21.52	June 2	18.76	Oct. 5	26.49	Feb. 7	22.31
16	22.70	9	18.20	12	26.76	14	22.35
23	22.73	16	18.38	19	27.06	21	22.41
30	23.25	23	18.99	26	27.38	28	22.87
Aug. 6	23.78	30	19.70	Nov. 2	27.59	Mar. 7	23.22
8	23.84	July 7	20.68	9	27.80	14	23.69
15	24.46	14	21.11	16	28.17	21	23.71
20	25.40	21	21.75	23	28.19	28	23.58
27	25.26	28	22.34	30	28.44	Apr. 4	18.80
Sept. 3	25.33	Aug. 4	23.08	Dec. 7	28.30	11	14.23
8	25.61	11	23.44	14	28.14	18	13.69
11	k25.66	18	24.09	21	27.82	25	14.30
12	k25.69	25	24.57	28	24.17	May 2	15.02
13	k25.77	Sept. 1	24.91	Jan. 4, 1958	22.40	9	15.66
14	k25.77	8	25.36	11	22.08	16	16.44
15	k25.80	17	25.38	18	22.11	23	17.42
16	k25.86	22	25.49	25	22.53	30	18.26
17	k25.90	29	25.79	Feb. 4	22.92	June 6	18.66

Oe 151--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 13, 1959	19.31	May 9, 1960	15.07	Mar. 27, 1961	27.18	Feb. 17, 1962	26.79
20	19.95	14	15.88	Apr. 1	26.9	24	26.52
27	20.75	21	17.02	8	26.61	3	26.66
July 3	21.26	28	18.05	15	25.89	10	26.66
4	21.51	June 4	18.93	22	24.90	17	26.48
13	22.25	11	19.78	29	22.51	24	26.66
18	22.61	18	20.83	May 6	20.45	31	26.30
25	23.31	20	20.79	13	20.19	Apr. 7	22.33
Aug. 1	23.59	25	21.22	20	19.70	14	19.59
8	24.00	July 2	22.18	27	19.38	21	18.90
15	24.65	9	23.45	June 3	19.86	28	18.23
22	25.17	16	24.03	10	20.06	May 5	18.03
29	25.53	23	24.35	17	20.58	12	18.01
Sept. 5	26.15	30	24.60	24	20.63	19	18.47
12	26.03	Aug. 6	25.07	July 1	20.92	26	19.68
19	26.33	13	25.33	8	19.60	June 2	19.81
26	26.7	20	25.74	15	20.26	9	20.30
Oct. 3	27.11	27	26.06	22	20.69 ^e	14	20.80
10	26.70	Sept. 3	26.46	29	20.93	16	21.16
17	25.50	10	26.63	Aug. 5	21.45	23	21.94
24	24.98	17	27.03	12	21.80	30	22.31
31	24.65	24	27.37	19	22.47	July 7	23.35
Nov. 7	24.23	Oct. 1	27.44	26	22.67	14	23.58
14	20.04	8	27.80	Sept. 2	23.35	21	24.14
21	19.78	15	27.97	9	24.90	28	24.49
28	20.01	22	28.30	16	24.85	Aug. 4	25.21
Dec. 5	18.44	29	28.45	23	25.72	11	25.25
14	17.84	Nov. 5	28.65	30	26.30	18	25.47
19	16.20	12	28.95	Oct. 7	26.37	25	26.34
26	16.95	19	29.06	14	26.25	Sept. 1	26.32
Jan. 2, 1960	17.65	26	29.54	21	26.90	8	26.66
9	18.40	Dec. 3	29.35	28	27.18	15	27.13
16	18.66	10	29.29	Nov. 1	26.83	22	27.10
23	19.36	17	29.39	4	27.13	29	27.31
30	20.09	24	29.61	11	27.81	Oct. 6	27.20
Feb. 6	20.72	31	29.45	18	28.53	13	27.37
13	20.85	Jan. 7, 1961	29.54	27	28.43	20	27.46
20	19.78	14	29.64	Dec. 2	28.42	27	26.74
27	19.85	21	29.75	9	28.66	Nov. 3	26.67
Mar. 5	20.48	28	29.86	16	28.60	10	26.50
12	21.18	Feb. 4	29.98	30	28.60	17	26.75
19	21.60	11	30.09	Jan. 6, 1962	28.78	24	26.30
26	21.95	18	30.21	13	27.88	Dec. 1	25.80
Apr. 2	22.19	25	30.31	20	28.44	8	25.56
9	15.49	Mar. 4	30.00	27	27.71	15	25.38
16	15.25	11	29.03	Feb. 3	27.10	22	25.35
23	14.96	18	27.77	10	26.92	29	25.38
30	14.45						

b Reported to have been heavily pumped.

e Estimated.

h Tape measurement made by U. S. Geol. Survey personnel.

k Highest water level for the day from temporary recording gage.

Ontario County

Ot 900. State Thruway Authority. At New York State Thruway Interchange No. 43. Near Manchester. Lat 42°58'38", long 77°13'41". Drilled unused artesian well in Camillus Shale of the Salina Group of Upper Silurian age, diam 6 in, depth 139 ft, cased to 11, open end. Lsd about 555 ft above msl. MP top of casing, 11.43 ft above lsd. Highest water level 9.90 above lsd, Apr. 11, 1960; lowest 4.59 above lsd, Nov. 11, 1957. Records available: 1955-62. Recording gage replaced with non-recording gage June 1, 1959. For additional measurements, see Mack and Digman (1962).

Oct 900--Continued.

Highest water level for the day, from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+7.39	+6.93	+5.96	+5.96	+5.36	+8.44	+8.47
10	7.44	6.76	5.84	5.83	5.95	8.42	8.56
15	7.28	6.66	5.98	5.74	6.85	8.27	8.66
20	7.28	6.38	6.08	5.72	7.76	8.34	8.33
25	7.16	6.29	5.94	5.49	8.28	8.27	8.48
Eom	j+7.31	7.02	6.03	6.11	5.54	h8.39	8.33	8.49

1956

5	+8.30	+8.22	h8.54	+9.23	+8.93	+8.35	+7.14	+6.55	+5.99	+5.85	+5.70	+6.40
10	8.40	h8.44	....	9.24	9.08	8.21	7.17	6.44	5.94	5.78	6.01	6.66
15	8.59	....	8.88	9.34	9.09	8.00	e7.0	6.34	5.90	5.83	5.93	6.89
20	8.5	h8.74	8.86	8.99	e8.8	7.79	6.73	6.23	5.93	5.78	5.84	7.04
25	8.22	9.19	8.99	8.73	8.53	7.69	6.85	6.04	5.89	5.68	5.96	7.35
Eom	8.11	....	e9.06	8.94	8.60	7.32	6.58	6.10	5.99	5.86	6.26	7.64

1957

5	+7.37	+7.70	+8.13	+8.63	+8.38	+8.17	+7.53	+6.68	e5.8	+5.12	+5.01	+5.28
10	7.50	8.11	8.43	8.57	8.21	8.03	....	6.51	5.57	5.16	4.83	5.59
15	....	7.96	8.45	8.58	8.20	7.98	e7.12	6.31	5.57	e5.01	5.10	5.38
20	....	7.91	8.62	8.70	8.21	7.83	7.00	e6.16	5.48	5.09	5.13	5.62
25	7.55	7.95	8.45	8.64	8.34	7.69	e6.8	6.11	5.43	5.09	5.15	5.44
Eom	7.86	8.09	8.28	8.58	8.23	7.67	6.85	5.81	5.35	5.03	5.34	5.56

1958

5	+5.41	+5.91	+6.85	+8.55	+8.57	+8.09	+8.01	+7.97	....	+7.23	+7.66	+8.24
10	5.70	6.01	7.33	8.67	8.65	8.29	8.24	e7.8	+7.22	7.20	7.75	8.15
15	5.68	6.06	7.81	8.77	8.56	e8.4	8.56	7.67	h6.99	7.00	e7.6	h8.22
20	5.54	....	8.01	8.80	8.45	....	8.60	7.41	7.03	h6.93	e7.83	e8.25
25	5.74	6.25	8.07	8.72	8.32	8.22	8.44	e7.44	7.17	7.19	e7.74	e8.11
Eom	5.85	6.58	8.39	8.60	8.13	e8.06	8.19	e7.26	7.25	7.42	7.84	8.06

e Estimated.

h Tape measurement.

j Measurement begins.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1959	k+8.25	July 6, 1959	+8.01	Mar. 14, 1960	+9.38	Nov. 14, 1960	+6.42
10	k8.27	13	7.83	21	9.41	21	6.43
15	k8.40	20	7.74	28	9.29	28	6.41
21	k8.55	27	7.57	Apr. 4	9.72	Dec. 5	6.44
25	k8.55	Aug. 3	7.40	11	9.90	12	6.45
31	ek8.64	10	7.30	18	9.75	19	6.37
Feb. 5	k9.00	17	7.11	22	9.79	27	6.14
8	ek8.8	24	7.06	25	9.86	Jan. 2, 1961	6.22
12	ek9.0	30	7.13	May 2	9.59	9	5.99
15	ek9.2	Sept. 7	6.99	9	9.72	16	6.33
20	k8.97	14	6.91	16	9.63	23	6.25
25	ek8.93	21	6.76	23	9.82	30	6.12
28	k8.97	28	6.65	30	9.81	Feb. 6	6.05
Mar. 5	ek9.0	Oct. 5	7.07	June 6	9.56	13	6.15
10	k9.09	12	7.54	13	9.06	20	6.08
15	k9.29	19	7.48	20	8.91	27	7.12
20	k9.19	26	7.65	27	8.58	Mar. 6	7.42
25	k9.29	Nov. 2	7.76	July 4	8.49	13	8.30
30	k9.36	9	7.82	11	8.11	20	8.51
Apr. 6	h9.58	16	8.05	18	7.98	27	9.07
16	h9.56	23	8.15	25	7.62	Apr. 3	9.13
20	k9.53	30	8.24	Aug. 1	7.45	10	9.18
25	k9.31	Dec. 7	8.83	8	7.34	17	9.41
30	k9.27	14	8.74	15	7.29	24	9.59
May 5	ek8.86	21	8.91	22	7.41	27	9.46
7	ek8.9	28	9.40	29	7.30	May 1	9.61
13	k8.99	Jan. 4, 1960	9.42	Sept. 5	7.16	8	9.66
16	ek8.8	11	9.33	12	7.19	15	9.54
20	ek8.74	18	9.70	19	6.80	22	9.31
25	8.54	25	9.54	26	6.62	29	9.14
June 1	8.57	Feb. 1	9.40	Oct. 3	6.60	Jun. 5	9.03
5	8.48	8	9.61	10	6.58	12	8.88
8	8.37	15	9.50	17	6.55	19	8.71
15	8.29	22	9.68	24	6.50	26	8.64
22	8.01	29	9.57	31	6.63	July 3	8.58
29	8.07	Mar. 7	9.37	Nov. 7	6.42	10	8.30

Ot 900--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 17, 1961	+8.21	Dec. 4, 1961	+6.51	Apr. 23, 1962	+8.82	Aug. 27, 1962	+6.51
24	7.97	11	6.34	27	8.81	Sept. 3	6.24
31	7.73	18	6.66	30	8.85	10	6.27
Aug. 7	7.75	25	6.65	May 7	8.67	17	6.15
14	7.68	Jan. 2, 1962	6.75	14	8.71	24	5.88
21	7.71	8	6.89	21	8.41	Oct. 1	6.37
28	7.52	15	7.00	28	8.18	8	6.19
Sept. 4	7.39	22	6.95	June 4	8.08	15	6.04
11	7.20	29	6.40	11	8.33	22	6.23
18	6.88	Feb. 5	7.23	18	8.20	29	6.02
25	6.88	12	7.05	25	8.09	Nov. 5	6.19
Oct. 2	6.64	19	7.28	July 2	7.70	12	6.33
9	6.52	26	7.28	9	7.71	19	6.42
16	6.45	Mar. 5	7.13	16	7.35	26	6.53
23	6.30	12	7.84	23	7.27	Dec. 3	6.89
30	6.32	19	8.09	30	7.37	10	7.30
Nov. 6	6.11	26	8.20	Aug. 6	6.86	17	7.22
13	6.08	Apr. 2	8.37	13	6.83	24	6.97
20	6.17	9	8.64	20	6.65	31	7.11
27	6.30	16	8.75				

e Estimated.

h Tape measurement.

k Highest water level for the day, from recorder graph.

Rensselaer County

Re 700. William P. Hofmann. Near Defreestville. Lat 42°38'34", long 73°39'10". Dug domestic water-table well in sand and gravel of Pleistocene age, diam 4 ft, depth 16 ft, stone-lined. Lsd about 410 ft above lsd. MP top edge of concrete curbing at midpoint of north side of rectangular opening, 2.00 ft above lsd. Highest water level 9.29 below lsd, Apr. 7, 1958; lowest 14.75 below lsd, Sept. 16, 1962. Records available: 1954-62. Recording gage installed Feb. 24, 1961; removed July 3, 1961.

Sept. 1, 1954	12.78	May 15, 1955	11.31	Dec. 5, 1955	10.86	Aug. 18, 1956	13.54
8	12.93	21	11.52	11	11.21	25	13.74
18	12.54	29	12.11	22	11.64	Sept. 1	13.54
25	12.78	June 9	11.92	31	12.22	9	13.74
Oct. 2	12.91	12	12.01	Jan. 8, 1956	12.03	17	13.71
9	13.10	19	12.52	14	11.04	30	13.29
17	13.09	26	12.51	22	11.74	Oct. 7	13.60
24	13.13	July 3	12.67	27	12.18	15	13.39
30	13.18	11	13.17	Feb. 8	12.40	21	13.78
Nov. 6	12.54	16	13.22	12	12.33	28	13.88
13	12.56	23	13.43	18	11.54	Nov. 4	13.63
21	12.63	30	13.45	26	11.63	11	13.93
30	11.88	Aug. 4	14.25	Mar. 3	11.58	18	13.74
Dec. 5	11.54	5	13.66	11	11.07	25	13.19
12	11.82	8	13.77	18	11.06	Dec. 2	13.19
21	10.80	11	13.77	25	11.11	6	13.10
26	10.95	14	13.60	31	11.04	9	13.31
31	11.09	15	13.29	Apr. 8	10.51	16	12.93
Jan. 8, 1955	10.75	19	13.12	15	10.63	24	12.74
15	11.03	24	13.39	22	10.54	31	11.96
23	11.35	27	13.24	28	10.43	Jan. 6, 1957	11.98
30	11.70	31	13.39	May 7	10.57	13	12.26
Feb. 6	12.02	Sept. 5	13.55	13	10.46	19	12.55
13	11.79	11	13.69	19	10.96	27	11.90
20	11.85	17	13.89	27	10.91	Feb. 2	11.90
26	11.35	22	13.98	June 3	10.88	9	11.67
Mar. 5	11.32	29	13.96	10	10.93	16	11.83
13	11.05	Oct. 2	13.69	16	11.26	23	12.25
20	10.86	9	13.15	23	11.53	Mar. 2	11.73
27	10.33	16	13.03	30	12.10	10	11.80
Apr. 3	10.54	22	12.84	July 9	12.19	16	11.23
11	10.11	30	12.31	14	12.28	23	11.09
17	10.35	Nov. 8	11.50	23	12.61	31	11.26
24	10.40	13	11.14	28	12.78	Apr. 7	11.05
May 1	10.35	23	10.6	Aug. 5	13.06	13	10.88
8	10.91	30	11.09	11	13.34	21	10.69

Re 700--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 28, 1957	11.25	Aug. 24, 1958	13.04	Jan. 5, 1960	10.80	Apr. 10, 1961	k10.16
May 4	11.22		13.27	9	11.08	15	k10.25
12	11.57	Sept. 7	13.19	15	11.64	20	k10.30
25	11.20	14	13.33	24	12.00	25	k10.31
31	11.67	22	13.35	30	11.57	30	k10.23
June 4	11.79	28	13.47	Feb. 7	10.82	May 5	k10.14
8	11.88	Oct. 6	13.10	13	10.80	10	k9.96
16	12.54	14	13.25	20	9.80	15	k10.00
22	12.62	19	13.46	27	10.54	20	k10.01
30	12.80	26	13.00	Mar. 6	11.12	25	k10.23
July 7	13.00	Nov. 2	12.90	13	11.16	31	k10.32
14	13.05	8	12.03	19	11.00	June 5	k10.75
20	13.11	15	11.96	27	10.73	10	k10.72
27	13.48	27	11.64	Apr. 2	10.10	15	k10.32
Aug. 3	13.50	Dec. 7	11.74	9	9.89	20	k10.78
10	13.58	15	11.45	18	9.81	25	k10.95
18	13.80	21	11.93	23	10.03	30	k11.34
24	13.89	28	12.42	30	10.07	July 3	k11.41
Sept. 1	14.35	Jan. 3, 1959	12.15	May 8	10.14	10	11.95
8	14.46	10	12.75	15	10.30	15	12.05
11	14.22	19	12.39	22	10.66	22	12.38
14	14.09	24	12.33	29	10.35	30	12.52
22	14.52	31	12.55	June 5	10.72	Aug. 6	12.69
28	14.54	Feb. 7	12.40	11	11.01	13	12.90
Oct. 5	14.44	14	12.93	19	11.40	20	13.29
12	14.30	24	12.87	26	11.36	31	13.06
19	13.92	28	12.88	July 3	11.81	Sept. 5	13.19
27	13.91	Mar. 7	12.94	10	12.00	10	13.35
Nov. 2	14.44	15	12.84	16	11.90	17	13.41
10	14.15	22	12.48	24	12.17	24	13.40
16	14.32	28	12.65	31	11.91	Oct. 4	13.44
24	14.02	Apr. 5	11.73	Aug. 7	12.10	8	13.83
Dec. 1	13.97	11	11.43	14	12.60	15	13.68
7	13.90	19	11.34	21	12.20	24	13.64
14	14.40	26	11.30	28	11.45	28	13.87
21	13.56	May 3	11.20	Sept. 4	11.76	Nov. 5	13.70
28	12.30	10	11.45	11	11.98	14	13.80
Jan. 4, 1958	12.00	17	11.50	18	10.34	18	13.42
12	12.64	31	12.10	25	10.28	28	13.20
19	13.15	June 7	12.65	Oct. 2	10.04	Dec. 3	13.23
27	12.12	13	12.78	9	10.50	10	13.34
Feb. 1	11.42	20	12.79	18	10.86	17	13.38
15	11.82	27	12.87	22	11.03	25	13.87
23	11.68	July 5	13.20	30	10.83	31	14.00
28	11.30	12	13.85	Nov. 6	11.16	Jan. 6, 1962	13.67
Mar. 9	10.85	18	13.52	13	11.33	14	13.05
15	10.30	26	13.90	20	11.80	21	13.15
22	10.82	Aug. 2	13.65	27	11.88	28	13.02
30	9.85	9	14.03	Dec. 5	11.70	Feb. 4	12.89
Apr. 7	9.29	14	14.09	10	12.02	11	12.77
13	9.68	22	14.40	17	12.16	18	12.83
19	9.65	29	14.38	24	12.12	25	13.04
27	9.99	Sept. 5	14.64	Jan. 2, 1961	12.61	Mar. 4	12.68
May 4	10.04	13	14.44	7	12.18	11	12.62
11	10.46	20	14.24	14	13.00	18	11.89
18	10.43	27	14.68	22	12.78	25	11.37
25	10.88	Oct. 3	14.47	30	12.49	Apr. 1	10.18
June 1	11.67	10	14.47	Feb. 5	12.66	8	10.77
8	11.45	17	14.60	11	12.95	17	10.40
14	11.41	25	14.40	18	12.90	22	10.66
22	11.97	31	14.25	25	k10.43	30	10.38
29	12.18	Nov. 7	14.07	28	k10.37	May 6	10.57
July 6	12.31	14	13.74	Mar. 5	k10.35	13	10.96
13	12.47	21	13.54	10	k10.26	20	11.40
20	12.60	29	12.78	15	k10.23	27	11.73
26	12.52	Dec. 5	12.14	19	k10.30	28	12.05
Aug. 3	12.49	12	11.53	26	k10.08	June 3	12.02
10	12.45	19	11.58	31	k10.04	9	12.48
16	12.62	26	11.78	Apr. 5	k10.16	17	12.66

Re 700--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 24, 1962	12.66	Aug. 19, 1962	14.14	Sept. 30, 1962	14.39	Nov. 18, 1962	13.91
July 1	13.00	26	14.45	Oct. 7	14.27	25	13.70
8	13.22	27	14.35	15	14.10	Dec. 2	14.00
13	13.49	30	14.44	21	14.09	9	13.60
22	13.47	Sept. 2	14.44	29	14.02	16	13.56
29	13.90	9	14.67	Nov. 4	13.86	23	13.59
Aug. 5	13.90	16	14.75	12	13.95	31	14.04
12	13.93	23	14.48				

b Reported to have been heavily pumped.

e Estimated.

j Measurement begins.

k Highest water level for the day, from recorder graph.

Rockland County

Ro 18. Palisades Interstate Park Comm. In Bear Mountain section near Lemon Rd. (previously reported as Doodletown Rd.) and Seven Lakes Dr. Lat 41°18'02", long 73°59'30". Drilled unused artesian (previously reported water-table) well in glacial drift of Pleistocene age, diam 6 in, depth 61 ft. Lsd about 380 ft above msl. MP top of casing, 3.65 ft above lsd. Highest water level 10.55 below lsd, Mar. 3, 1961; lowest 27.87 below lsd, Oct. 31, 1953. Records available: 1949-62.

Jan. 3, 1958	13.32	Dec. 19, 1958	17.53	Dec. 4, 1959	18.39	Nov. 11, 1960	18.78
10	14.18	26	17.85	11	17.44	18	19.25
17	14.68	Jan. 2, 1959	18.02	18	15.75	25	19.63
24	12.98	9	18.13	25	15.48	Dec. 2	19.87
31	12.10	16	18.35	Jan. 1, 1960	14.41	9	19.98
Feb. 7	13.31	23	18.55	8	12.95	16	20.21
14	14.43	30	18.28	15	13.84	23	19.87
28	14.29	Feb. 6	18.49	22	14.79	30	19.09
Apr. 4	12.00	13	18.03	29	15.23	Jan. 6, 1961	18.09
11	13.58	20	17.29	Feb. 5	15.54	13	17.45
18	14.00	27	17.62	12	13.44	27	17.50
25	14.73	Mar. 6	17.75	19	12.98	Feb. 17	18.02
May 2	14.83	13	16.62	26	13.17	24	15.39
8	12.86	20	15.85	Mar. 11	14.65	Mar. 3	10.55
9	12.31	27	15.21	18	15.27	10	12.38
16	14.20	Apr. 17	14.16	25	15.67	17	12.19
23	15.25	24	14.69	Apr. 1	15.60	31	14.12
30	15.62	May 1	15.09	9	11.92	Apr. 7	14.71
June 6	16.32	8	15.30	15	13.97	14	15.10
13	16.77	15	15.65	22	14.73	21	13.12
20	17.24	20	16.03	29	15.04	28	13.48
27	17.51	22	16.15	May 6	16.38	May 5	14.50
July 4	17.90	29	16.89	13	16.45	12	14.84
11	18.20	June 5	16.92	20	16.95	19	15.00
18	18.50	12	17.52	27	17.01	26	15.60
25	19.07	19	17.97	June 3	17.25	June 2	15.30
Aug. 1	19.57	26	18.47	10	17.58	16	16.70
8	20.29	July 3	18.66	17	17.82	23	17.03
15	20.47	10	19.38	24	17.91	30	17.49
22	20.81	17	19.85	July 1	18.41	July 7	18.20
29	20.79	24	20.19	15	18.68	14	18.75
Sept. 5	21.46	31	20.50	22	19.07	21	19.06
12	21.83	Aug. 7	20.39	29	18.92	28	19.46
19	21.74	14	20.10	Aug. 5	17.08	Aug. 4	19.80
23	20.82	21	20.55	12	17.25	11	20.34
26	20.60	28	21.10	19	17.72	Sept. 15	21.15
Oct. 3	19.64	Sept. 4	20.26	26	16.87	22	20.97
10	20.31	11	20.42	Sept. 2	17.34	29	21.04
17	20.82	18	21.35	9	18.17	Oct. 6	21.15
24	20.85	25	22.32	16	17.02	13	21.60
31	18.60	Oct. 2	22.81	23	15.58	20	21.80
Nov. 7	18.46	23	20.09	30	15.91	27	22.30
14	18.92	30	19.38	Oct. 7	16.46	Nov. 3	23.36
21	19.15	Nov. 6	19.49	14	17.41	10	23.16
28	19.53	13	19.00	21	17.69	17	22.56
Dec. 5	18.37	20	19.02	28	18.10	24	21.81
12	17.69	27	19.03	Nov. 4	18.53	Dec. 1	21.81

Ro 18--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 8, 1961	22.30	Mar. 30, 1962	14.10	July 6, 1962	19.54	Oct. 5, 1962	21.19
15	22.65	Apr. 6	13.90	13	20.04	12	20.20
22	21.69	13	13.46	22	20.36	19	20.15
29	21.14	20	14.45	27	20.34	26	20.97
Jan. 5, 1962	20.07	27	14.78	Aug. 3	20.70	Nov. 2	20.84
12	19.00	May 4	15.30	10	20.80	9	20.66
19	18.32	11	15.80	17	20.78	16	20.30
26	18.10	18	16.28	24	20.93	23	19.52
Feb. 2	18.05	25	16.77	31	20.65	30	19.42
9	18.20	June 1	17.18	Sept. 7	20.85	Dec. 7	18.99
Mar. 9	16.68	8	17.48	14	21.58	14	18.47
16	11.15	22	17.88	21	22.19	21	18.60
23	13.38	29	18.41	28	21.89	28	19.00

St. Lawrence County

449-445-1. Formerly St. 40. State Dept. of Conservation. Near Brasher Falls. Lat 44°49'02", long 74°45'55". Dug domestic water-table well in glacial sand of Pleistocene age, diam 36 in, depth 12 ft, concrete cased to 12, open end. Lsd 299 ft above msl (determined with barometric altimeter). MP top edge of casing, 0.30 ft above lsd. Highest water level 3.42 below lsd, Apr. 6, 1955; lowest 9.21 below lsd, Oct. 26, 1957. Records available: 1953-62.

Jan. 4, 1958	7.45	Nov. 29, 1958	7.53	Oct. 24, 1959	7.59	Sept. 17, 1960	9.01
11	7.54	Dec. 6	7.50	31	7.64	24	9.00
18	7.69	13	7.48	Nov. 7	7.46	Oct. 1	9.08
25	7.83	20	7.54	14	7.25	8	9.10
Feb. 1	7.89	27	7.65	21	7.23	15	9.12
8	7.94	Jan. 3, 1959	7.77	28	7.19	22	9.14
15	8.06	10	7.76	Dec. 5	6.74	29	8.49
22	8.18	17	7.64	12	6.41	Nov. 5	8.24
Mar. 1	8.03	24	7.52	19	6.32	12	8.18
8	7.73	31	7.44	26	6.35	19	8.12
15	7.64	Feb. 7	7.42	Jan. 2, 1960	6.47	26	8.07
22	7.44	14	7.55	9	6.59	Dec. 3	7.92
29	6.65	21	7.59	16	6.74	10	8.00
Apr. 5	5.24	28	7.74	23	6.91	17	8.06
12	4.96	Mar. 7	7.26	30	7.15	24	8.16
19	5.25	14	7.18	Feb. 2	7.14	31	8.29
26	5.40	21	6.28	9	6.59	Jan. 7, 1961	8.31
May 3	5.51	28	5.93	20	6.49	14	8.29
10	5.44	Apr. 4	4.73	27	6.54	21	8.43
17	5.39	11	4.76	Mar. 5	6.75	28	8.51
24	5.62	18	5.14	12	6.81	Feb. 4	8.68
31	5.94	25	5.36	19	6.86	11	8.79
June 7	5.95	May 2	5.36	26	6.96	18	8.68
14	6.17	9	5.56	Apr. 2	6.00	25	8.56
21	6.38	16	5.78	9	4.59	Mar. 4	7.78
28	6.52	23	5.95	16	3.88	11	7.65
July 5	6.84	30	6.13	23	4.17	18	7.42
12	7.04	June 6	6.34	30	4.44	25	7.34
19	7.24	13	6.49	May 7	4.76	Apr. 1	6.59
26	7.41	20	6.72	14	4.94	8	6.28
Aug. 2	7.69	27	6.11	20	5.13	15	5.04
9	7.98	July 4	6.38	28	5.23	22	5.18
16	8.15	11	6.53	June 4	4.78	29	5.03
23	8.31	18	6.83	11	5.39	May 6	5.23
30	8.45	25	7.19	18	5.58	13	5.55
Sept. 6	8.76	Aug. 1	7.54	25	5.74	20	5.87
13	8.73	8	7.79	July 2	6.05	27	6.09
20	8.94	15	7.82	9	6.39	June 3	5.64
27	8.63	22	7.89	16	6.75	10	6.04
Oct. 4	8.46	29	7.83	23	7.04	17	6.12
11	8.25	Sept. 5	7.58	30	7.30	24	5.78
18	8.02	12	7.91	Aug. 6	7.66	July 15	6.08
25	8.04	19	8.05	13	7.94	22	6.24
Nov. 1	7.42	26	8.24	20	8.24	29	6.51
8	7.39	Oct. 3	8.10	27	8.49	Aug. 5	6.81
15	7.52	10	7.69	Sept. 3	8.79	12	7.14
22	7.54	17	7.49	10	8.87	19	7.35

449-445-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 26, 1961	7.42	Dec. 30, 1961	8.03	May 5, 1962	5.49	Sept. 8, 1962	8.19
Sept. 2	7.59	Jan. 6, 1962	8.14	12	5.70	16	8.30
9	7.63	13	8.09	19	5.84	22	8.19
17	7.99	20	7.47	26	6.08	29	8.23
21	8.01	27	7.51	June 2	6.51	Oct. 6	7.23
30	8.28	Feb. 3	7.60	9	7.02	13	6.84
Oct. 7	8.28	10	7.64	16	7.06	20	6.82
14	8.41	17	7.71	23	7.55	27	6.64
21	8.67	24	7.98	30	7.51	Nov. 3	5.08
27	8.65	Mar. 3	7.84	July 7	7.71	10	5.91
Nov. 4	8.56	10	7.77	14	8.02	17	5.66
11	8.63	17	7.47	21	8.21	24	6.01
18	8.54	24	6.93	28	7.84	Dec. 1	6.10
25	8.49	31	5.87	Aug. 4	7.69	8	6.03
Dec. 2	8.41	Apr. 7	5.22	11	7.21	15	6.17
9	8.01	14	5.23	18	7.35	22	6.20
16	7.80	21	5.24	25	7.67	29	6.42
23	7.97	28	5.46	Sept. 1	7.89		

Schenectady County

Sn 128. City of Schenectady. Lat 42°49'26", long 73°59'22". Dug unused water-table well in glacial outwash gravel of Pleistocene age, diam 47 ft, depth 40 ft, lined with concrete. Lsd 241.36 ft above msl. MP top of metal strip fastened to timber access cover at edge of ventilation hole, at lsd. Highest water level e17.9 below lsd, Oct. 17, 1955; lowest 39.74 below lsd, Feb. 20, 1961. Records available: 1946-61. Measurement discontinued; replaced by well 249-359-58. Water level affected by stage of Mohawk River and pumping from city well field.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e36.2	37.4	38.2	35.4	33.8	32.8	35.0	33.9	34.1	31.7	31.4	32.2
10	36.3	37.9	37.5	33.8	32.6	32.0	32.8	33.5	33.0	32.1	31.8	32.1
15	36.8	h38.8	38.1	35.2	32.7	32.4	32.5	33.3	32.8	32.1	32.0	32.7
20	e37.0	e39.0	38.2	34.5	31.9	33.8	32.8	34.0	32.1	31.5	31.8	e35.0
25	37.1	h39.1	37.8	34.0	32.7	34.0	33.5	33.4	31.9	31.5	e31.8	e35.9
Eom	36.8	39.1	36.0	34.3	34.0	35.1	33.5	34.5	31.7	e31.2	31.6	37.0

1959

5	37.2	e29.7	32.6	28.5	32.2	32.3	33.9	32.6	32.54	31.39	31.18	30.35
10	h37.6	31.4	....	e30.0	33.9	33.9	34.9	31.9	34.05	30.99	30.42	29.96
15	38.5	31.4	....	31.6	31.9	32.6	33.6	33.6	32.24	31.28	e31.3	29.57
20	38.3	31.5	32.1	32.4	32.1	32.0	33.2	33.9	31.87	31.73	31.37	31.00
25	....	33.2	28.8	h33.75	30.7	32.3	32.9	32.35	32.88	31.08	31.80	31.58
Eom	e30.0	h33.7	31.9	32.7	32.3	33.2	34.6	31.74	32.32	31.45	25.09	31.09

1960

5	25.72	34.05	32.52	20.39	33.30	31.33	31.06	31.75	31.67	33.18	31.72	32.16
10	28.77	33.87	32.99	28.64	31.85	32.06	31.77	32.04	33.39	31.98	32.08	32.61
15	31.51	21.9	33.92	30.95	30.81	31.24	31.77	31.48	28.99	32.10	e31.7	32.72
20	32.14	25.91	34.65	30.23	31.51	30.20	31.64	31.95	32.01	32.08	32.25	32.46
25	32.50	29.18	35.39	28.52	30.48	31.51	31.24	32.05	32.25	32.10	32.08	33.76
Eom	33.39	30.93	31.11	31.99	31.18	32.73	31.57	32.69	33.21	31.66	32.29	34.28

1961

5	34.62	37.83	30.46	....	....	....	....	....	....	....	....	....
10	34.66	38.75	31.08	....	....	....	....	....	....	....	....	....
15	35.23	39.08	32.78	....	....	....	....	....	....	....	....	....
20	35.10	39.55	33.20	....	....	....	....	....	....	....	....	....
25	35.9	33.03	....	....	....	....	....	....	....	....	....	....
Eom	36.60	25.17	....	....	....	....	....	....	....	....	....	....

e Estimated.

h Tape measurement.

249-359-58. City of Schenectady. Lat 42°49'09", long 73°59'14". Drilled observation water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 57 ft, cased to 57, open end. Lsd 228.50 ft above msl. MP top of shelter platform, 2.55 ft above lsd. Highest water level 12.62 below lsd, Feb. 27, 1961; lowest 28.33 below lsd, Feb. 21, 1961. Records available: 1960-62. Replaces well Sn 128. Recording gage installed June 13, 1960. Water level affected by stage of Mohawk River and pumping from city well field.

249-359-58--Continued.

Highest water level for the day, from recorder graph, 1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.09	19.77	19.58	21.20	19.61	20.07
10	19.81	20.04	21.62	19.95	20.08	20.57
15	j19.42	19.72	19.51	16.78	19.98	19.69	20.92
20	18.07	19.64	19.95	20.38	20.07	20.06	20.33
25	19.57	19.13	20.05	20.08	19.98	19.98	21.70
Eom	21.18	19.46	20.87	21.13	19.54	20.27	22.17

1961

5	22.75	25.94	.....	21.35	20.32	19.08	19.50	19.89	19.73	19.99	20.12	20.38
10	22.65	27.14	19.04	21.83	18.63	18.50	19.47	21.23	20.94	20.81	20.66	19.90
15	23.31	27.50	20.83	19.41	18.44	18.03	18.52	20.06	20.78	20.25	20.42	21.45
20	23.75	27.96	21.29	19.28	18.40	19.87	18.96	21.31	20.33	21.02	20.17	22.06
25	24.03	22.60	21.65	18.82	19.29	18.17	20.25	19.98	20.5	20.28	19.58	.....
Eom	24.83	13.23	19.34	19.13	18.68	20.30	.....	19.50	20.54	20.45	20.53	22.96

1962

5	23.75	22.04	23.87	18.60	20.07	22.92	23.47	22.12	21.38	21.33	20.77	21.04
10	19.65	22.55	24.77	19.35	20.62	22.77	23.67	21.25	21.06	20.66	21.31	20.22
15	19.78	23.53	24.16	20.23	21.96	22.54	23.60	20.92	21.50	20.69	20.19	21.87
20	19.32	24.07	22.67	21.53	23.06	24.21	23.85	21.40	21.15	21.81	21.33	22.87
25	20.46	24.06	20.12	21.68	.....	22.15	22.06	22.87	21.09	21.51	20.29	22.97
Eom	20.14	24.69	20.85	21.68	24.12	24.89	21.81	23.20	20.94	21.27	21.38	23.21

e Estimated.

j Measurement begins.

Steuben County

Sb 240. Corning Glass Works. West Market and Walnut Sts., Corning. Lat 42°08'37", long 77°03'18". Drilled unused artesian well in glacial outwash of Pleistocene age, diam 10 in, depth 78 ft, cased, screened. Lsd about 940 ft above msl. MP top of 2½-in diam extended casing, 0.76 ft below lsd (since May 11, 1959). Highest water level 19.51 below lsd, Apr. 25, 1961; lowest 33.95 below lsd, Nov. 28, 1960. Records available: 1943-44, 1946-62. Water level affected by nearby pumping and possibly by Chemung River.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	30.3	Aug. 25, 1958	29.5	Apr. 20, 1959	27.2	Dec. 7, 1959	25.51
13	31.0	Sept. 2	30.0	21	27.85	14	23.76
20	31.0	8	30.6	27	m27.19	21	25.76
27	31.0	15	30.8	May 4	m26.19	28	26.66
Feb. 3	30.9	22	30.0	11	28.35	Jan. 4, 1960	25.01
10	31.0	29	30.0	18	29.12	11	26.76
17	31.3	Oct. 6	30.2	25	29.35	18	26.76
24	31.4	13	30.2	June 1	29.76	25	27.76
Mar. 3	28.5	20	31.0	8	30.24	Feb. 1	28.14
10	28.0	27	30.5	15	30.76	8	27.86
17	28.3	Nov. 3	30.4	22	31.15	15	26.76
24	27.8	10	30.0	29	31.02	22	27.18
31	27.6	17	30.2	July 6	30.76	29	27.88
Apr. 7	21.2	24	30.0	13	30.76	Mar. 14	28.83
14	22.8	Dec. 1	30.0	20	30.90	21	29.31
21	24.3	8	30.0	27	31.15	28	29.41
28	25.0	15	29.8	Aug. 3	31.48	Apr. 4	21.33
May 5	25.0	22	29.6	10	31.12	11	25.76
12	24.6	29	29.7	17	31.33	18	26.03
19	26.0	Jan. 5, 1959	29.8	24	31.65	19	25.99
26	27.0	12	30.2	31	30.83	20	26.19
June 2	27.7	19	30.8	Sept. 8	31.15	25	27.25
9	28.0	26	27.0	14	31.65	May 2	27.38
16	27.0	Feb. 2	27.5	21	31.99	10	24.78
23	28.4	9	28.4	28	32.34	16	24.92
30	29.0	16	27.4	Oct. 5	31.76	25	23.09
July 7	29.2	23	28.0	12	28.92	31	24.38
14	27.8	Mar. 2	28.0	19	29.76	June 6	27.02
21	28.2	9	28.0	26	27.98	13	27.56
28	28.8	16	27.0	Nov. 2	27.90	20	25.97
Aug. 4	28.7	23	26.3	9	26.82	27	27.20
11	29.0	30	26.6	16	27.31	July 5	28.72
15	28.82	Apr. 6	25.6	23	28.06	12	29.56
18	29.0	13	25.7	30	25.98	18	30.01

Sb 240--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 25, 1960	30.36	Jan. 16, 1961	31.99	July 3, 1961	27.98	Jan. 2, 1962	28.86
Aug. 1	30.77	23	33.08	10	26.47	8	27.56
8	30.08	30	33.56	17	25.93	15	25.94
16	30.66	Feb. 6	33.67	24	25.37	22	26.56
22	31.15	12	33.50	31	25.14	29	26.63
29	32.31	20	32.61	Aug. 7	23.14	Feb. 5	27.81
Sept. 6	32.95	27	25.58	14	25.00	12	26.54
12	32.97	Mar. 6	25.36	21	27.26	19	27.29
19	32.66	13	25.56	28	27.01	26	27.09
26	32.80	20	26.11	Sept. 5	28.22	Mar. 5	24.96
Oct. 3	33.15	28	25.71	18	28.73	12	26.39
10	33.40	Apr. 4	25.81	25	29.21	19	25.02
17	33.66	10	24.91	Oct. 2	29.64	26	24.33
24	33.71	17	20.28	9	29.36	Apr. 2	23.01
31	33.66	25	19.56	16	29.56	9	22.46
Nov. 7	33.05	30	19.51	23	29.59	16	24.05
14	33.32	May 1	21.99	30	29.84	23	25.12
21	33.71	8	24.10	Nov. 6	29.54	30	26.11
28	33.95	15	24.86	13	29.12	May 7	26.16
Dec. 6	33.44	22	25.26	20	29.03	14	26.94
12	33.22	29	25.94	27	28.26	21	27.26
19	33.05	June 5	26.62	Dec. 4	29.11	28	28.51
28	32.15	12	25.86	11	28.86	June 4	28.88
Jan. 3, 1961	33.56	19	26.77	18	29.06	8	29.11
9	32.73	26	26.91	26	28.76		

m Measurement uncertain; water level may have been higher.

Washington County

W 264. Village of Salem. North Main St., Salem. Lat 43°10'27", long 73°19'43".

Dug fire-protection water-table well in glacial gravel of Pleistocene age, approximate size 8 x 12 ft, depth 15 ft, stone-lined. Lsd 485.5 ft above msl. MP top edge of concrete cover at north side of square opening, at lsd. Highest water level 6.62 below lsd, Apr. 4, 1960; lowest 11.32 below lsd, Oct. 5, 1953. Records available: 1946-62. Water level affected by floods of nearby stream.

Jan. 6, 1958	8.79	July 7, 1958	10.70	Jan. 4, 1959	10.13	July 13, 1959	10.56
13	9.08	14	10.73	11	10.18	20	10.9
20	9.26	21	10.76	18	10.19	27	11.00
27	9.34	28	10.78	25	10.3	Aug. 3	11.01
Feb. 3	9.48	Aug. 4	10.77	Feb. 2	9.68	10	11.02
10	9.73	11	10.72	16	10.39	17	11.02
17	9.97	18	10.64	23	10.17	24	11.04
24	10.06	25	10.59	Mar. 2	10.08	31	10.9
Mar. 3	10.02	Sept. 2	10.33	9	10.03	Sept. 7	11.02
10	9.79	8	10.77	16	9.54	14	11.02
17	9.68	15	10.89	23	9.59	21	10.9
24	9.44	22	10.9	30	9.63	28	10.9
31	8.76	29	10.9	Apr. 6	9.62	Oct. 5	10.9
Apr. 7	8.91	Oct. 6	10.9	13	9.62	12	10.81
14	8.89	13	10.9	20	9.59	19	10.83
21	8.85	20	10.83	27	9.52	26	10.77
28	9.19	27	10.80	May 4	10.37	Nov. 2	10.74
May 5	9.17	Nov. 3	10.73	11	10.32	9	10.72
12	9.21	10	10.68	18	10.28	16	10.84
19	9.23	17	10.59	25	10.15	23	10.88
26	9.22	24	10.61	June 1	10.14	30	10.75
June 2	9.03	Dec. 1	10.60	8	10.12	Dec. 7	8.22
9	9.10	8	10.62	15	10.28	14	8.24
16	9.35	15	10.63	22	10.32	21	9.17
23	9.59	22	10.62	29	10.53	28	9.30
30	10.65	29	10.60	July 6	10.58	Jan. 4, 1960	9.30

W 264--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1960	9.46	Oct. 10, 1960	10.16	July 10, 1961	10.28	Apr. 9, 1962	9.18
18	9.79	17	10.11	17	10.30	16	9.26
25	9.9	24	10.08	24	10.34	23	9.51
Feb. 1	9.9	31	9.47	31	10.46	30	9.44
8	9.9	Nov. 7	9.59	Aug. 7	10.45	May 7	9.58
15	9.9	14	9.88	14	10.64	14	9.64
22	9.84	21	10.08	21	10.66	21	9.61
29	9.78	28	10.03	28	10.45	28	9.57
Mar. 7	9.77	Dec. 5	10.05	Sept. 4	10.45	June 3	9.64
14	9.78	12	10.22	11	10.46	10	9.76
21	9.76	19	10.31	18	10.49	24	10.25
28	9.76	26	10.36	25	10.52	July 2	10.27
Apr. 4	6.62	Jan. 2, 1961	10.13	Oct. 2	10.79	9	10.59
11	7.57	9	10.08	9	10.77	16	10.73
18	8.43	16	10.17	16	10.79	23	10.77
25	8.54	23	10.53	23	10.78	30	10.51
May 2	8.33	30	10.65	30	10.74	Aug. 6	10.53
9	9.88	Feb. 6	10.67	Nov. 6	10.72	7	10.63
16	9.46	13	10.68	13	10.59	13	10.48
23	10.08	20	10.66	20	10.47	20	10.46
31	10.02	27	9.27	27	10.34	27	10.62
June 6	10.08	Mar. 6	9.31	Dec. 4	10.33	Sept. 3	10.62
13	10.16	13	9.39	11	10.41	10	10.69
20	10.29	20	9.46	18	10.29	17	10.73
27	10.33	27	9.53	25	10.24	24	10.77
July 4	10.36	Apr. 3	9.53	Jan. 1, 1962	10.03	Oct. 1	10.76
11	10.38	10	9.55	8	9.84	8	10.67
18	10.46	17	9.58	15	9.76	15	10.71
25	10.49	24	9.59	22	9.68	22	10.74
Aug. 1	10.48	May 1	9.33	29	9.54	29	10.77
8	10.51	8	9.35	Feb. 5	9.61	Nov. 5	10.75
15	10.53	15	9.38	12	10.07	12	10.69
22	10.53	22	9.69	19	10.13	19	10.53
29	10.57	29	9.76	26	9.77	26	10.46
Sept. 5	10.58	June 5	9.83	Mar. 5	10.16	Dec. 3	10.43
12	10.07	12	9.86	12	10.13	10	10.43
19	10.08	19	10.08	19	9.46	17	10.44
26	10.12	26	10.14	26	9.09	24	10.47
Oct. 3	10.14	July 3	10.17	Apr. 2	9.11	31	10.45

j Affected by flood of nearby stream.

Wayne County

Wn 29. Village of Marion. 55 Mill St., Marion. Lat 43°08'14", long 77°11'19". Drilled unused artesian well in Lockport Dolomite of Middle Silurian age, diam 8 in, depth 106 ft, cased to 25. Lsd about 460 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 10.03 below lsd, Mar. 30, 1950; lowest 21.40 below lsd, Sept. 3, 1957. Records available:

1947-62. Non-recording gage removed Aug. 12, 1958.							
Jan. 1, 1958	19.71	Mar. 5, 1958	18.73	Apr. 30, 1958	18.68	July 30, 1958	19.06
8	19.60	12	18.76	May 7	18.69	Aug. 6	19.53
15	19.78	19	18.81	21	18.77	12	19.58
22	19.73	26	18.52	June 25	19.19	Nov. 17, 1959	18.81
29	19.35	Apr. 1	18.36	July 2	19.27	Apr. 29, 1960	19.55
Feb. 5	19.19	9	18.28	9	19.03	Apr. 26, 1961	18.15
12	19.18	16	18.47	16	19.02	June 4, 1962	18.62
26	19.25	23	18.48	23	19.04		

Westchester County

We 4. Westchester County Jail. Martine Ave. and Court St., White Plains. Lat 41°01'52", long 73°46'04". Drilled unused artesian well in Inwood Limestone of Precambrian age, diam 6 in, depth 206 ft. Lsd about 215 ft above msl. MP top of casing, at lsd. Highest water level 23.8 below lsd, Apr. 24, 1961; lowest 32.4 below lsd, Nov. 26, 1957. Records available: 1953-62. Water level affected by nearby pumping.

We 4--Continued.

Weekly highest water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	26.7	Sept. 21, 1959	26.7	Nov. 21, 1960	25.6	Dec. 11, 1961	25.8
13	26.7	28	26.8	28	25.7	18	25.8
19	e26.5	Oct. 5	e26.8	Dec. 5	25.7	25	25.4
27	26.1	12	26.8	12	25.7	Jan. 2, 1962	25.2
Feb. 3	25.9	19	26.7	19	25.8	8	25.2
May 19	24.3	26	26.6	26	25.6	15	25.0
25	24.3	Nov. 2	26.3	Jan. 3, 1961	25.5	22	25.0
June 2	24.3	9	26.3	9	25.6	29	25.0
9	24.4	16	26.1	16	25.6	Feb. 5	25.1
15	24.4	23	26.1	23	25.5	12	25.2
23	24.6	30	25.9	30	25.5	19	25.1
30	24.8	Dec. 7	25.8	Feb. 6	25.6	26	24.9
Aug. 25	25.9	14	25.7	13	25.5	Mar. 5	24.6
Sept. 22	26.1	21	25.6	20	e25.4	12	24.4
29	26.1	28	25.4	27	24.9	19	24.2
Oct. 6	26.1	Jan. 4, 1960	e25.5	Mar. 6	24.7	26	24.2
13	26.1	10	25.3	13	24.6	Apr. 1	24.1
20	26.3	Feb. 8	25.1	20	24.4	9	24.1
27	26.4	15	e24.9	27	24.3	16	24.0
Nov. 2	26.0	22	24.9	Apr. 3	e24.2	23	24.1
10	26.0	29	24.8	10	24.2	30	24.3
17	26.2	Mar. 7	e24.8	17	24.0	May 7	24.3
24	26.4	14	24.8	24	23.8	14	24.2
Dec. 1	26.1	21	24.8	May 1	24.0	21	24.5
8	25.8	28	24.8	8	24.0	28	24.8
15	25.8	Apr. 4	24.7	15	24.1	June 4	24.9
22	26.4	11	24.6	22	24.2	11	24.7
29	25.8	18	24.5	29	24.2	18	24.8
Jan. 5, 1959	25.8	25	24.5	June 5	24.2	25	24.9
12	26.0	May 2	24.6	12	24.3	July 2	24.8
Feb. 9	26.1	9	24.6	19	24.6	9	24.9
16	26.1	16	24.7	26	24.6	16	25.1
23	25.9	23	24.8	July 2	24.7	23	25.2
Mar. 2	e25.9	31	24.8	10	24.9	30	25.3
Apr. 13	25.4	June 6	24.9	17	25.0	Aug. 6	25.5
May 4	25.5	13	25.0	24	25.1	13	25.0
11	25.5	20	25.1	31	25.2	20	25.1
18	25.6	27	25.3	Aug. 6	25.3	27	25.1
25	25.7	July 5	25.2	13	25.4	Sept. 3	25.2
June 1	25.8	11	25.3	21	25.6	10	25.0
8	25.8	18	25.4	28	25.4	17	25.4
15	25.8	25	25.5	Sept. 5	25.3	24	25.2
22	25.7	Aug. 1	25.3	11	25.6	Oct. 1	25.2
29	25.8	15	25.3	18	25.8	8	25.0
July 6	25.9	22	25.1	25	25.7	15	25.3
13	26.4	29	25.2	Oct. 2	25.9	22	25.0
20	26.0	Sept. 5	25.3	9	25.6	29	25.0
27	26.2	12	e25.4	16	26.0	Nov. 5	25.1
Aug. 3	26.2	Oct. 3	25.1	23	25.7	12	24.8
10	26.2	10	25.2	30	25.8	19	24.9
17	26.2	17	25.3	Nov. 6	25.7	26	24.7
24	e26.3	24	25.3	13	25.9	Dec. 10	24.7
31	26.5	31	25.4	20	25.8	17	24.8
Sept. 7	e26.5	Nov. 7	25.4	27	25.7	25	24.7
14	26.6	14	25.4	Dec. 4	e25.9	31	e24.8

e Estimated.

Wyoming County

Wo 1. State Dept. of Conservation. Letchworth State Park, near Castile. Lat 42°37'39", long 78°00'03". Dug unused water-table well in glacial till (?) of Pleistocene age, d'am 2 in, (previously reported 24 in), depth 14 ft, well point (60-gauze screen) 11-14. On June 6, 1962 the 2-in casing and well point were set in the center of the pre-existing 24-in diam dug well. The dug well was then backfilled, leaving in existence only the 2-in well. Lsd about 1,000 ft above msl. MP top of 2-in by 1-in reducing coupling, 3.33 ft above lsd (since June 6, 1962). Highest water level 0.5 below lsd, Apr. 5, 1947; lowest 13.29 below lsd, Feb. 12, 1961. Records available: 1942-62.

Wo 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	12.54	Apr. 11, 1959	1.63	July 17, 1960	6.66	Oct. 21, 1961	10.76
11	12.40		2.80	24	7.47	28	10.99
18	12.32		3.31	31	8.24	Nov. 4	11.18
25	12.31	May 3	3.00	Aug. 7	8.31	11	11.38
Feb. 1	12.31	10	3.48	14	8.42	18	11.50
7	12.34	17	3.23	21	9.13	25	11.61
15	12.38	24	3.51	28	9.53	Dec. 2	11.65
22	12.40	31	3.91	Sept. 4	9.90	9	11.58
Mar. 1	10.46	June 7	4.36	11	10.24	16	11.28
8	5.45	14	5.33	17	10.54	23	10.78
15	3.34	21	5.57	24	10.84	30	10.42
22	1.93	28	6.14	Oct. 1	11.10	Jan. 6, 1962	10.31
29	1.77	July 5	6.59	8	11.34	13	9.92
Apr. 5	3.01	12	7.47	16	11.58	20	9.58
12	1.51	20	8.40	22	11.75	27	9.40
20	3.22	26	8.95	29	11.94	Feb. 3	9.25
27	2.99	Aug. 2	9.47	Nov. 5	12.08	10	9.50
May 5	2.28	10	9.98	12	12.23	17	9.64
11	2.36	16	10.30	18	12.34	24	9.80
18	3.65	23	10.63	26	12.46	Mar. 3	9.70
25	4.28	30	10.94	Dec. 2	12.54	10	9.39
June 1	4.66	Sept. 6	11.20	10	12.66	17	8.70
8	4.40	13	11.46	17	12.75	24	8.02
15	2.06	19	11.46	24	12.81	31	7.07
22	3.57	27	11.91	31	12.87	Apr. 7	5.60
29	4.10	Oct. 4	10.90	Jan. 7, 1961	12.94	14	3.76
July 6	4.82	11	6.56	14	13.01	21	3.64
13	5.26	18	5.54	21	13.10	28	3.15
20	5.10	25	3.44	28	13.18	Mar. 4	1.93
27	6.04	Nov. 1	2.89	Feb. 5	13.24	12	3.38
Aug. 3	5.94	7	2.22	12	13.29	18	3.95
10	6.40	14	3.29	19	12.92	26	4.79
12	6.51	21	3.23	25	10.75	June 3	5.96
17	7.19	27	2.60	Mar. 4	6.72	5	6.30
24	8.23	Dec. 5	2.01	12	6.41	6	j6.39
31	8.95	12	1.27	19	3.29	6	k0.60
Sept. 7	9.43	19	2.33	26	2.30	6	m1.86
14	9.44	26	3.39	Apr. 1	3.15	9	n5.80
21	9.53	Jan. 2, 1960	2.67	8	1.85	16	6.41
28	8.48	9	2.81	15	1.39	23	6.03
Oct. 5	7.51	16	1.64	22	2.66	30	7.66
12	8.06	23	2.93	26	1.09	July 7	8.81
19	8.68	31	3.57	29	1.83	14	9.46
26	9.02	Feb. 6	3.14	May 6	2.81	21	10.01
Nov. 1	8.70	14	2.23	13	2.93	28	10.41
8	8.35	21	2.94	19	2.57	Aug. 4	10.76
15	8.12	28	3.15	27	2.84	11	11.08
22	5.01	Mar. 6	3.44	June 3	2.49	18	11.37
29	3.66	13	3.71	11	3.43	25	11.66
Dec. 6	2.74	19	3.79	18	3.08	Sept. 1	11.89
13	2.96	26	3.32	25	3.93	8	12.16
20	3.24	Apr. 3	1.92	July 2	4.63	15	12.39
27	3.30	9	2.40	9	5.39	22	12.68
Jan. 3, 1959	3.21	15	3.09	16	6.33	29	12.73
10	3.33	21	2.78	23	6.74	Oct. 6	10.87
17	3.48	23	2.96	30	7.20	13	8.38
24	1.42	30	3.33	Aug. 6	5.68	21	9.09
31	2.26	May 8	3.99	13	5.13	28	9.47
Feb. 7	2.28	15	3.28	20	5.50	Nov. 3	9.27
14	2.38	21	1.79	27	5.91	10	8.16
21	3.10	29	2.81	Sept. 2	6.63	17	5.91
28	3.32	June 5	3.59	10	7.93	24	4.98
Mar. 7	2.68	12	4.45	16	8.65	Dec. 1	5.05
14	3.33	19	2.72	23	9.32	8	2.77
21	3.09	26	3.75	30	9.81	15	3.11
28	3.14	July 3	4.61	Oct. 7	10.19	22	3.17
Apr. 4	1.60	10	5.64	14	10.49	29	4.27

j Before backfilling well.

k After backfilling well.

m After development and slug test.

n Recovering from slug test.

LONG ISLAND

Kings County

K30. Detecto Scales, Inc. Park and Nostrand Aves., Williamsburg. Lat 40°41'50", long 73°57'15". Drilled unused water-table well in deposits of late Pleistocene age, diam 8 in, depth 56 ft, screen assumed at bottom. Lsd 17.8 ft above msl. MP top of 8-in coupling, 5 93 ft below lsd (since Mar. 3, 1958). Highest water level 0.16 above msl, Aug. 31, 1962; lowest 29.75 below msl, Nov. 8, 1941. Records available: 1935-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1958	-3.59	May 6, 1959	-2.23	Aug. 2, 1960	-2.53	Oct. 31, 1961	-0.92
Mar. 3	3.73	June 2	2.44	30	2.48	Nov. 28	.88
Apr. 2	3.35	July 2	2.68	Sept. 28	2.48	Dec. 28	.82
May 1	3.12	Aug. 4	2.92	Nov. 2	2.53	Jan. 31, 1962	.59
29	2.68	Sept. 3	2.99	Dec. 6	2.44	Mar. 5	.43
June 30	2.58	Oct. 6	3.19	27	2.68	27	.32
July 29	2.68	Nov. 2	3.44	Jan. 30, 1961	2.59	Apr. 26	.28
Aug. 28	2.66	Dec. 1	3.22	Mar. 1	2.49	May 29	.05
Oct. 7	2.86	Jan. 5, 1960	2.94	28	2.17	July 2	.13
30	2.62	27	2.79	Apr. 26	1.84	30	-.07
Dec. 9	2.56	Mar. 8	2.65	May 31	1.81	Aug. 31	+.16
Jan. 7, 1959	2.52	29	2.60	June 20	1.64	Oct. 3	-.27
29	2.39	May 4	2.47	Aug. 1	1.36	31	.37
Mar. 2	2.39	June 2	2.44	30	.92	Dec. 4	.51
Apr. 3	2.21	30	2.40	Oct. 2	.76		

K530. J. Morea. 912 Cortelyou Rd., Flatbush. Lat 40°38'18", long 73°58'09". Drilled observation water-table well in deposits of late Pleistocene age, diam 18 in, depth 145 ft, screened 95-145. Lsd 40.1 ft above msl. MP top of 1½-in nipple, 7.24 ft below lsd. Highest water level 7.43 above msl, July 2, 1962; lowest 5.89 below msl, June 24, 1947. Records available: 1947-62.

June 24, 1947	-5.89	Sept. 20, 1949	+3.17	May 26, 1952	+4.88	July 11, 1956	+5.90
30	5.73	29	3.18	June 23	5.13	Oct. 2	5.77
July 1	5.72	Oct. 17	3.02	July 29	5.18	25	5.64
2	5.65	Nov. 1	3.04	Aug. 26	5.33	Dec. 20	5.75
3	5.60	17	3.03	Sept. 23	5.30	Mar. 27, 1957	5.64
7	5.49	30	3.01	Dec. 2	5.03	July 24	5.69
14	5.35	Dec. 27	2.92	22	4.99	Sept. 24	5.50
22	5.15	Jan. 12, 1950	2.79	Feb. 4, 1953	5.04	Jan. 28, 1958	5.59
31	4.89	25	2.75	Mar. 23	5.24	Apr. 16	6.27
Aug. 13	4.69	Feb. 9	2.83	Apr. 29	5.53	Mar. 19, 1959	5.82
28	4.35	28	2.81	May 26	5.75	July 16	5.69
Sept. 15	3.95	Mar. 16	2.87	June 23	5.68	Oct. 9	5.76
30	5.14	30	2.86	July 31	5.69	Mar. 30, 1960	6.03
Oct. 7	4.08	Apr. 17	2.93	Aug. 27	5.58	June 30	6.03
13	3.38	May 4	2.95	Sept. 24	5.42	July 5	5.98
30	3.64	18	2.92	Oct. 26	5.36	Sept. 15	6.31
Nov. 19	2.70	June 5	2.96	Dec. 1	5.19	Nov. 2	6.50
28	2.49	13	2.88	21	5.21	Dec. 9	6.34
Dec. 16	2.30	28	2.87	Jan. 30, 1954	5.11	27	6.28
Jan. 6, 1948	1.81	July 12	2.85	Feb. 27	4.99	Jan. 30, 1961	6.34
Feb. 2	-1.42	Aug. 28	2.77	Mar. 27	4.89	Mar. 1	6.35
Aug. 23	+2.04	Sept. 26	2.73	Apr. 29	4.90	28	6.74
Sept. 21	2.13	Oct. 30	2.87	May 27	4.89	May 31	7.16
Nov. 3	2.18	Nov. 27	2.95	June 30	5.29	June 29	7.10
24	2.22	Dec. 18	3.05	Dec. 28	5.21	Aug. 1	7.20
Dec. 13	2.23	Jan. 29, 1951	3.10	Jan. 25, 1955	5.29	31	7.33
29	2.24	Feb. 23	3.23	Feb. 25	5.18	Sept. 28	7.10
Jan. 14, 1949	2.43	Mar. 26	3.39	Mar. 29	5.20	Oct. 31	7.00
28	2.63	May 2	3.76	Apr. 28	5.34	Nov. 28	6.78
Feb. 15	2.81	29	3.82	May 24	5.38	Jan. 9, 1962	6.47
Apr. 4	3.18	June 27	3.83	June 23	5.10	31	6.45
18	3.19	July 24	3.71	July 28	5.10	Mar. 2	6.40
29	3.20	Aug. 27	3.77	Aug. 25	5.49	May 1	6.61
May 12	3.31	Sept. 25	3.72	Oct. 7	5.54	29	6.49
June 2	3.36	Nov. 2	3.74	Nov. 15	5.67	July 2	7.43
16	3.35	28	3.94	Dec. 2	5.79	Aug. 1	7.24
30	3.31	Dec. 19	3.94	Feb. 7, 1956	5.62	31	7.05
July 14	3.34	Jan. 29, 1952	4.17	Mar. 6	5.54	Oct. 2	6.85
28	3.28	Feb. 19	4.26	May 15	6.07	Nov. 23	6.58
Aug. 19	3.30	Mar. 20	4.42	June 5	5.98	Dec. 4	6.64
Sept. 1	3.22	Apr. 29	4.68				

K1264. City of New York. Dept of Water Supply, Gas and Electricity. East 37th St. and Snyder Ave. Lat 40°39'00", long 73°56'35". Driven observation water-table well in deposits of late Pleistocene age, diam 1½ in, depth 67 ft, screened 65-67. Lsd 43.9 ft above msl. MP top of 1½-in coupling, 0.01 ft below lsd. Highest water level 6.71 above msl, Mar. 8, 1960; lowest 15.56 below msl, Apr. 3, May 7, 1947. Records available: 1933-35, 1941-60. No measurement made in 1961. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1958	+4.98	Aug. 28, 1958	+5.99	Aug. 4, 1959	+6.25	June 30, 1960	+6.30
Mar. 3	5.13	Oct. 7	5.86	Sept. 3	6.16	July 21	6.26
Apr. 2	5.09	30	5.83	Oct. 6	6.50	Aug. 30	5.53
May 1	5.53	Dec. 9	5.78	Mar. 8, 1960	6.71	Sept. 28	5.61
29	6.01	May 6, 1959	6.61	29	6.58	Nov. 2	5.59
June 30	6.10	June 2	6.28	May 4	6.47	Dec. 6	5.65
July 29	6.09	July 2	6.43	June 2	6.37		

Nassau County

N7. Long Island State Park Comm. Corona Ave. and Remsen St., Valley Stream. Lat 40°40'45", long 73°41'25". Drilled unused artesian well in Lloyd Sand Member of Raritan Formation, diam 10 to 6 in, depth 911 ft, screened 851-911. Lsd 20.8 ft above msl. MP top of 10-in coupling, 2.00 ft above lsd. Highest water level 12.75 above msl, Mar. 9, 1941; lowest 0.56 below msl, Aug. 4, 1954. Records available: 1936-62.

Feb. 3, 1958	+10.30	Apr. 29, 1959	+10.11	July 27, 1960	+b1.91	Oct. 31, 1961	+5.36
26	9.76	May 29	8.48	Aug. 30	3.18	Nov. 29	6.37
Apr. 1	9.78	July 6	4.96	Oct. 4	4.53	Dec. 12	6.85
30	8.82	27	3.88	Nov. 4	7.03	26	7.18
May 28	8.10	Aug. 31	2.17	Dec. 5	8.10	Jan. 30, 1962	7.56
June 30	6.90	Oct. 5	2.40	27	8.26	Mar. 2	7.23
July 30	4.29	Nov. 2	6.54	Jan. 26, 1961	8.48	27	6.83
Sept. 3	3.91	27	7.85	Feb. 27	7.67	Apr. 27	6.84
30	5.30	Jan. 5, 1960	8.18	Apr. 3	9.04	May 29	3.56
Nov. 4	9.32	Feb. 1	9.78	May 2	9.41	July 5	1.63
Dec. 3	9.40	29	10.41	June 1	9.26	30	.37
Jan. 5, 1959	10.01	Mar. 25	8.82	28	6.31	Aug. 31	1.30
30	9.75	Apr. 26	7.92	July 28	3.35	Sept. 25	2.78
Feb. 24	9.73	May 31	7.01	Aug. 31	3.43	Oct. 25	4.46
Mar. 30	10.27	July 6	3.29	Sept. 29	2.98	Nov. 26	6.63

b Nearby well being pumped.

N9. Long Island State Park Comm. Corona Ave. and Remsen St., Valley Stream. Lat 40°40'50", long 73°41'35". Drilled unused artesian well in sands of Magothy (?) Formation, diam 6 to 4 in, depth 137 ft, screen assumed at bottom. Lsd 23.2 ft above msl. MP top of casing, 1.48 ft above lsd. Highest water level 23.57 above msl, Sept. 3, 1938; lowest 17.86 above msl, Sept. 25, 1962. Records available: 1936-62.

Feb. 3, 1958	+20.63	Apr. 29, 1959	+20.75	July 27, 1960	+19.41	Nov. 1, 1961	+19.71
26	20.49	May 29	19.59	Aug. 30	19.64	29	19.60
Apr. 1	21.43	July 6	19.11	Oct. 4	20.38	Dec. 26	19.69
30	21.28	27	19.92	Nov. 4	20.23	Jan. 30, 1962	19.88
May 28	21.38	Aug. 31	19.58	Dec. 5	20.04	Mar. 2	20.20
June 30	20.61	Oct. 5	19.40	27	20.07	27	20.20
Aug. 4	20.61	Nov. 2	19.66	Jan. 26, 1961	19.99	Apr. 27	19.81
Sept. 3	20.50	27	19.83	Feb. 27	20.49	May 29	19.22
30	20.44	Jan. 5, 1960	20.24	Apr. 3	20.53	July 5	18.86
Nov. 4	21.13	Feb. 1	20.15	May 2	20.66	30	18.88
Dec. 3	20.61	29	20.53	June 1	20.25	Aug. 30	18.75
Jan. 5, 1959	20.65	Mar. 25	20.09	29	19.80	Sept. 25	17.86
30	20.40	Apr. 26	20.06	Aug. 1	20.10	Oct. 25	18.54
Feb. 24	20.48	May 31	19.74	31	19.80	Nov. 26	19.29
Mar. 24	20.77	July 5	19.38	Sept. 29	19.78		

N180. City of New York. Dept. of Water Supply, Gas and Electricity. Sunrise Highway and Seamans Neck Rd., Seaford. Lat 40°40'20", long 73°29'45". Drilled unused artesian well in sands of Magothy (?) Formation, diam 4 to 6 in, depth 762 ft, screen assumed at bottom. Lsd 15.3 ft above msl. MP top of recorder shelf, 9.80 ft above lsd. Highest water level 21.08 above msl, June 6, 1952; lowest 16.10 above msl, July 3, 1962. Records available: 1945-62.

Feb. 3, 1958	+18.00	July 30, 1958	+17.78	Feb. 26, 1959	+18.12	Aug. 31, 1959	+17.54
26	18.28	Sept. 3	18.82	Apr. 3	18.59	Oct. 5	17.89
Apr. 1	19.85	30	18.25	29	18.38	Nov. 2	17.80
30	19.47	Nov. 4	18.81	May 27	17.66	25	18.72
May 28	18.85	Dec. 3	18.43	July 7	17.12	Jan. 5, 1960	18.35
July 2	17.78	Jan. 29, 1959	18.21	28	17.86	Feb. 1	18.27

N180--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29, 1960	+17.47	Dec. 5, 1960	+17.91	Sept. 29, 1961	+17.94	May 29, 1962	+16.87
Mar. 25	18.33	27	17.82	Nov. 1	17.85	July 3	16.10
Apr. 26	17.49	Feb. 27, 1961	18.42	Dec. 1	17.94	30	16.39
May 31	17.61	Apr. 3	18.90	26	17.91	Aug. 31	16.90
July 6	17.49	26	19.25	Jan. 31, 1962	18.25	Sept. 25	16.81
27	17.26	May 31	18.75	Feb. 28	18.74	Nov. 2	17.29
Aug. 30	17.45	June 29	18.06	Mar. 30	18.50	Dec. 3	17.74
Oct. 3	18.64	July 26	17.68	May 1	18.10	28	17.44
Nov. 4	18.40	Aug. 28	17.83				

N1102. Nassau County Dept. of Public Works. Long Island Expressway (previously reported Willets Rd.), near Valley Rd., Lake Success. Lat 40°46'15", long 73°42'15". Driven observation water-table well in deposits of late Pleistocene age, diam 2½ in, depth 140 ft, screened 138-140. Lsd 185.8 ft above msl. MP top of casing, 3.20 ft above lsd (since Jan. 9, 1959). Highest water level 59.12 above msl, Mar. 25, 1953; lowest dry at 45.8 above msl, July 26, Aug. 29, Oct. 29, 1962. Records available: 1939-62.

Jan. 31, 1958	+48.47	Apr. 3, 1959	+50.81	Apr. 26, 1960	+48.22	Sept. 28, 1961	+48.71
Feb. 28	50.39	May 1	50.83	May 25	48.03	Oct. 31	49.17
Mar. 26	50.48	27	50.65	July 6	47.35	Nov. 30	49.09
May 1	50.68	July 2	52.70	Aug. 2	47.00	Jan. 29, 1962	48.80
29	50.80	Aug. 3	49.66	Dec. 28	46.80	Mar. 1	49.39
July 2	50.35	Sept. 2	49.23	Jan. 26, 1961	47.70	26	49.45
30	50.53	Oct. 6	48.85	Feb. 27	48.56	Apr. 25	49.61
Sept. 17	50.12	Nov. 10	48.65	Apr. 3	49.20	May 25	49.00
Oct. 2	50.23	Dec. 8	48.27	25	49.51	June 25	48.17
Nov. 5	50.59	Jan. 8, 1960	48.46	May 25	49.50	July 26	(f)
Dec. 2	50.91	Feb. 2	48.59	June 27	49.36	Aug. 29	(f)
Jan. 9, 1959	51.15	Mar. 1	48.43	July 25	49.07	Oct. 29	(f)
30	51.23	29	48.35	Aug. 29	48.83	Dec. 27	47.40
Feb. 27	50.99						

f Dry.

N1110. Nassau County Dept. of Public Works. Henry St. near Southern State Parkway, North Valley Stream. Lat 40°40'45", long 73°42'00". Driven observation water-table well in deposits of late Pleistocene age, diam 1½ in, depth 27 ft, screened 25-27. Lsd 30.9 ft above msl. MP top of casing, 0.05 ft below lsd. Highest water level 21.05 above msl, Apr. 21, 1939, June 6, 1946; lowest 15.13 above msl, Sept. 25, 1962. Records available: 1939-62.

Feb. 3, 1958	+18.16	Apr. 29, 1959	+18.53	July 27, 1960	+16.67	Oct. 31, 1961	+17.13
26	17.90	May 29	17.37	Aug. 30	16.83	Nov. 29	16.98
Apr. 1	19.34	July 6	16.68	Oct. 4	18.14	Dec. 26	17.05
30	19.45	27	17.57	Nov. 4	17.87	Jan. 30, 1962	17.28
May 28	19.65	Aug. 31	16.98	Dec. 5	17.59	Mar. 2	17.61
June 30	18.61	Oct. 5	16.64	27	17.48	27	17.72
July 30	18.43	Nov. 2	16.92	Jan. 26, 1961	17.46	Apr. 27	17.15
Sept. 3	18.46	27	17.09	Feb. 27	18.05	May 29	16.22
30	18.61	Jan. 5, 1960	17.44	Apr. 3	18.34	July 5	15.57
Nov. 4	19.40	Feb. 1	17.50	May 2	18.65	30	15.46
Dec. 3	18.52	29	18.04	June 1	18.03	Aug. 31	15.51
Jan. 5, 1959	18.35	Mar. 25	17.79	28	17.35	Sept. 25	15.13
30	18.09	Apr. 26	17.76	July 28	17.02	Oct. 25	15.50
Feb. 24	18.18	May 31	17.32	Aug. 31	17.23	Nov. 26	16.03
Mar. 24	18.68	July 6	16.66	Sept. 27	17.21		

N1212. Nassau County Dept. of Public Works. Jericho Turnpike, Locust Grove. Lat 40°48'25", long 73°31'20". Drilled observation artesian well in sands of Magothy (?) Formation, diam 4 in, depth 185 ft, screened 181-185. Lsd 228.2 ft above msl. MP top of recorder shelf, 0.54 ft below lsd. Highest water level 89.74 above msl, Oct. 6, Dec. 7, 1953; lowest 83.72 above msl, Jan. 20, 1943. Records available: 1943-62.

Feb. 3, 1958	+86.19	Jan. 5, 1959	+89.23	Dec. 8, 1959	+86.26	Nov. 3, 1960	+86.15
26	85.82	29	89.20	Jan. 7, 1960	86.16	Dec. 2	86.33
Apr. 1	86.08	Feb. 26	89.18	Feb. 2	86.04	28	86.42
30	86.25	Apr. 3	88.91	Mar. 2	85.77	Jan. 27, 1961	86.84
May 28	87.07	May 5	88.42	29	85.71	Feb. 28	86.66
July 3	87.53	27	88.01	Apr. 26	85.69	Apr. 4	87.11
31	87.92	July 2	87.48	May 26	85.80	25	87.36
Sept. 3	88.16	Aug. 4	87.22	July 6	85.46	May 25	87.68
30	88.52	Sept. 3	86.96	Aug. 2	85.40	June 27	87.84
Nov. 4	88.98	Oct. 6	86.47	Sept. 1	85.54	July 25	87.94
Dec. 3	89.20	Nov. 8	86.59	Oct. 4	85.84	Aug. 29	88.32

N1212--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 3, 1961	+88.51	Jan. 31, 1962	+88.56	May 29, 1962	+88.33	Sept. 28, 1962	+87.52
Nov. 2	88.19	Mar. 5	88.76	June 25	88.26	Oct. 30	87.73
Dec. 1	88.36	28	88.72	July 26	88.03	Dec. 4	87.71
27	88.76	May 1	88.88	Aug. 28	87.81	26	87.66

N1246. Nassau County Dept. of Public Works. Round Swamp and Old County Rds., Plainview. Lat 40°47'00", long 73°26'50". Drilled observation water-table well in deposits of late Pleistocene age, diam 4 in, depth 125 ft, screen assumed at bottom. Lsd 184.9 ft above msl. MP top of 4-in coupling, 0.72 ft above lsd. Highest water level 83.55 above msl, Nov. 2, Dec. 26, 1961; lowest 76.85 above msl, Apr. 24, 1951. Records available: 1940-57, 1959-62. No measurement made in 1958.

May 31, 1940	+82.12	Sept. 5, 1945	+79.75	Aug. 29, 1950	+78.77	Sept. 26, 1955	+79.11
June 28	81.93	Oct. 2	79.83	Sept. 28	78.38	Nov. 9	79.52
Aug. 2	81.61	Nov. 1	79.60	Oct. 30	78.25	Dec. 28	79.81
30	81.66	28	79.51	Nov. 30	77.84	Jan. 26, 1956	80.20
Sept. 27	81.45	Jan. 4, 1946	79.16	Dec. 19	77.63	Feb. 29	80.50
Nov. 1	81.22	Feb. 7	79.26	Feb. 2, 1951	77.08	May 2	81.34
29	81.19	27	79.09	28	76.90	29	81.26
Dec. 27	80.85	Mar. 29	79.36	Apr. 4	76.86	June 27	81.70
Jan. 31, 1941	80.49	May 1	79.34	24	76.85	July 27	82.10
Feb. 28	80.52	June 5	79.52	June 4	77.18	Aug. 30	82.27
Mar. 28	80.27	July 2	79.60	28	77.26	Oct. 3	82.35
May 5	80.03	29	79.73	July 25	77.45	Nov. 9	82.43
June 2	79.77	Aug. 29	79.96	Aug. 27	77.58	30	82.25
30	79.69	Sept. 25	80.12	Sept. 27	77.65	Dec. 18	81.90
Aug. 1	79.54	Oct. 30	80.28	Oct. 29	77.36	July 1, 1957	80.51
29	79.41	Nov. 27	80.22	Nov. 27	77.22	Nov. 4	79.40
Sept. 29	79.17	Dec. 30	79.79	Dec. 20	77.35	Dec. 19	78.90
Oct. 31	79.15	Jan. 31, 1947	79.77	Feb. 6, 1952	76.97	Apr. 1, 1959	81.85
Dec. 1	78.80	Feb. 28	79.56	25	77.16	May 5	81.64
Jan. 2, 1942	78.77	Apr. 7	79.17	Mar. 31	77.38	27	81.58
30	78.30	30	79.15	Apr. 29	77.50	July 2	81.36
Feb. 27	78.09	June 2	78.90	May 28	77.72	Aug. 4	81.03
Mar. 30	77.75	July 7	78.70	June 25	78.13	Sept. 3	80.91
May 1	77.47	Aug. 7	78.58	July 30	78.72	Oct. 6	80.30
29	77.39	Sept. 10	78.47	Aug. 29	79.48	Nov. 9	80.06
June 29	77.25	27	78.23	Sept. 24	79.92	Dec. 8	79.60
July 31	77.14	Nov. 1	78.16	Nov. 3	80.62	Jan 7, 1960	79.64
Aug. 31	77.14	28	78.16	Dec. 5	80.84	Feb. 2	79.88
Oct. 2	77.27	Jan. 2, 1948	78.39	24	80.74	Mar. 2	79.71
30	77.47	31	77.80	Feb. 2, 1953	80.38	29	79.52
Nov. 30	77.51	Feb. 27	77.70	25	80.67	Apr. 26	79.44
Jan. 1, 1943	77.63	Mar. 25	77.54	Apr. 1	80.20	May 26	79.46
29	77.39	May 7	78.25	28	80.34	Jun 30	79.47
Feb. 26	77.74	30	78.37	May 27	80.82	Aug. 2	79.55
Mar. 29	77.60	June 29	78.76	June 29	81.41	Sep 2	79.45
Apr. 30	78.08	Aug. 3	79.22	Aug. 6	81.82	Oct. 4	79.62
May 27	78.07	30	79.59	26	82.19	Nov. 4	79.76
June 25	78.23	Sept. 29	79.92	Sept. 30	82.43	Dec. 8	80.07
Aug. 2	78.30	Nov. 3	80.24	Oct. 29	82.71	28	80.10
30	78.38	Dec. 7	80.25	Nov. 24	82.57	Feb. 28, 1961	80.43
Sept. 27	78.21	28	80.08	Dec. 18	82.46	Apr. 4	80.77
Nov. 1	78.00	Jan. 26, 1949	80.57	Jan. 26, 1954	82.27	26	80.90
29	78.00	Mar. 2	80.54	Feb. 25	82.23	May 25	81.33
Dec. 31	78.01	30	80.85	Mar. 23	81.88	Jun 27	81.82
Feb. 26, 1944	78.21	Apr. 25	80.61	Apr. 28	81.51	July 25	82.25
May 30	78.70	May 31	81.11	May 25	81.44	Aug. 29	83.27
June 28	78.92	June 28	81.54	June 29	81.00	Nov. 2	83.55
July 26	79.24	July 25	81.74	July 27	80.83	Dec. 1	83.48
Aug. 28	79.52	Aug. 29	82.18	Sept. 29	80.18	26	83.55
Sept. 27	79.64	Sept. 26	82.10	Oct. 25	80.10	Mar. 5, 1962	83.35
Oct. 31	79.56	Oct. 28	82.17	Dec. 1	80.03	28	83.32
Nov. 28	79.53	Nov. 30	82.01	27	79.79	May 1	83.50
Dec. 26	79.26	Dec. 29	81.70	Jan. 24, 1955	79.66	29	83.50
Jan. 31, 1945	79.37	Jan. 26, 1950	81.29	Feb. 24	79.54	Jun 25	83.40
Mar. 1	79.20	Mar. 1	81.04	Mar. 30	79.60	July 26	83.35
28	79.30	Apr. 4	80.45	Apr. 27	79.62	Aug. 29	83.16
May 2	79.50	May 3	80.05	May 24	79.70	Oct. 24	82.74
June 1	79.61	June 5	79.59	July 5	79.55	Dec. 4	82.78
28	79.67	29	79.34	Aug. 2	79.35	26	82.58
Aug. 3	79.82	July 31	78.66	24	79.14		

N1259. U.S. Geol. Survey. Hicksville-Massapequa Rd., Plainedge. Lat 40°43'15", long 73°29'05". Driven observation water-table well in deposits of late Pleistocene age, diam 1½ in, depth 41 ft (previously reported 43 ft), screened 38-41 (previously reported 41-43). Lsd 78.4 ft above msl. MP top of casing, 0.09 ft above lsd (since June 23, 1961). Highest water level 56.99 above msl, June 23, 1952; lowest 47.83 above msl, Jan. 24, 1933. Records available: 1909-10, 1912-16, 1930-35, 1937-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1958	+52.30	Apr. 29, 1959	+53.88	July 27, 1960	+52.07	Nov. 30, 1961	+53.77
Feb. 26	52.63	May 27	53.36	Aug. 30	52.28	Dec. 27	53.43
Apr. 1	54.60	July 2	52.73	Oct. 3	53.83	Jan. 31, 1962	54.09
30	55.43	28	53.11	31	53.62	Feb. 28	54.24
May 28	55.89	Aug. 31	53.21	Nov. 30	53.79	Mar. 28	55.04
July 1	55.13	Oct. 5	52.60	Dec. 27	53.50	Apr. 30	54.86
30	54.66	Nov. 2	51.23	Jan. 26, 1961	53.47	May 29	53.97
Sept. 3	54.11	27	52.03	Feb. 27	53.62	June 27	53.31
30	53.89	Jan. 5, 1960	52.29	Apr. 4	54.20	July 26	52.62
Nov. 4	54.43	Feb. 1	52.52	25	54.89	Aug. 29	52.57
Dec. 3	54.48	29	52.86	June 30	54.89	Sept. 25	52.19
Jan. 5, 1959	53.98	Mar. 25	53.15	July 26	54.70	Oct. 24	52.34
29	53.55	Apr. 26	53.44	Aug. 28	55.16	Dec. 3	52.67
Feb. 26	53.34	May 31	53.02	Sept. 29	54.80	26	52.53
Apr. 3	53.70	June 30	52.33	Nov. 2	54.29		

N1616. Nassau County Dept. of Public Works. Post Ave. and Argyle Rd., Westbury. Lat 40°45'55", long 73°35'10". Driven observation water-table well in deposits of late Pleistocene age, diam 1½ in, depth 51 ft, screened 49-51. Lsd 122.8 ft above msl. MP top of casing, at lsd. Highest water level 85.42 above msl, June 1, 1939; lowest 74.05 above msl, Feb. 27, 1933. Records available: 1913-15, 1932-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1958	+79.05	Apr. 29, 1959	+81.78	Aug. 2, 1960	+79.70	Nov. 2, 1961	+82.12
26	79.23	May 27	81.66	Sept. 1	79.57	30	81.97
Apr. 1	79.88	July 2	81.35	Oct. 3	80.05	Dec. 27	81.64
30	81.55	Aug. 4	81.00	Nov. 3	80.17	Jan. 31, 1962	81.48
May 28	82.30	Sept. 2	80.69	Dec. 2	80.20	Feb. 28	81.56
July 3	82.80	Oct. 6	80.25	Jan. 4, 1961	80.26	Mar. 27	81.91
31	82.86	Nov. 8	79.85	26	80.61	May 1	82.22
Sept. 3	82.54	Dec. 4	79.65	Feb. 28	80.48	31	82.00
30	82.34	Jan. 7, 1960	79.47	Apr. 4	81.25	June 29	81.95
Nov. 4	82.29	Feb. 2	79.42	26	81.75	July 30	81.32
Dec. 3	82.26	Mar. 2	79.52	June 2	82.55	Aug. 28	80.95
Jan. 5, 1959	82.13	29	79.65	26	82.62	Sept. 28	80.62
29	81.93	Apr. 26	80.05	July 26	82.44	Nov. 5	80.32
Feb. 26	81.81	May 26	80.31	Aug. 29	82.48	Dec. 4	80.12
Apr. 3	81.75	July 6	79.90	Oct. 3	82.40	27	80.02

N2528. Nassau County Dept. of Public Works. Chicken Valley and Wolver Hollow Rds., Upper Brookville. Lat 40°51'00", long 73°34'40". Drilled observation artesian well in sands of Magothy (?) Formation, diam 6 to 4 in, depth 282 ft, slotted 278-282. Lsd 92.5 ft above msl. MP top of nipple, 0.77 ft above lsd. Highest water level 79.92 above msl, July 25, 1957; lowest 68.03 above msl, Jan. 22, 30, 1951. Records available: 1947-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4, 1958	+69.60	May 4, 1959	+70.83	Aug. 2, 1960	+69.41	Nov. 2, 1961	+71.82
Mar. 4	70.03	27	70.76	Sept. 6	69.42	27	71.60
Apr. 3	70.46	July 2	70.53	Oct. 4	70.56	Dec. 26	71.61
May 1	71.40	Aug. 4	70.35	Nov. 3	70.27	Jan. 31, 1962	71.15
28	71.98	Sept. 2	70.14	Dec. 2	70.29	Mar. 5	71.08
July 2	72.17	Oct. 6	69.82	28	70.24	28	71.57
Aug. 1	72.20	Nov. 5	69.50	Jan. 27, 1961	70.44	Apr. 25	71.43
Sept. 4	72.02	Dec. 4	69.24	Feb. 28	70.77	May 29	71.23
Oct. 2	71.90	Jan. 8, 1960	69.09	Apr. 3	71.49	June 25	71.00
Nov. 4	71.78	Feb. 2	69.02	26	72.07	July 26	70.70
Dec. 4	71.61	Mar. 1	69.17	May 25	72.35	Aug. 28	70.37
Jan. 6, 1959	71.39	29	69.27	June 27	72.45	Oct. 3	70.01
30	71.17	Apr. 26	69.69	Aug. 3	72.40	30	69.85
Feb. 27	71.11	May 26	69.65	29	72.29	Dec. 3	69.59
Apr. 1	70.94	June 30	69.58	Oct. 3	72.05	26	69.43

N3355. Nassau County Dept. of Public Works. Old County and Round Swamp Rds., Plainview. Lat 40°46'25", long 73°26'55". Drilled observation artesian well in Lloyd Sand Member of Raritan Formation, diam 8 to 4 in, depth 1,090 ft, screened 1,070-1,090. Lsd 183.3 ft above msl. MP top of casing, 0.80 ft below lsd. Highest water level 36.52 above msl, Apr. 9, 1957; lowest 31.17 above msl, Sept. 30, 1951. Records available: 1951-62.

N3355--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1958	+35.01	May 5, 1959	+35.79	Aug. 2, 1960	+32.74	Dec. 1, 1961	+34.49
26	34.54	27	35.47	Sept. 2	32.60	26	34.92
Apr. 1	34.89	July 2	34.54	Oct. 3	33.01	Jan. 31, 1962	34.62
30	34.84	Aug. 4	33.74	Nov. 3	33.84	Mar. 5	35.14
May 28	35.05	Sept. 3	33.17	Dec. 2	34.05	28	34.94
July 2	34.74	Oct. 6	33.02	28	34.22	May 1	34.64
Aug. 4	34.39	Nov. 9	33.66	Feb. 28, 1961	34.74	29	33.91
Sept. 3	33.97	Dec. 8	34.36	Apr. 4	35.14	June 25	33.52
30	34.41	Jan. 7, 1960	34.50	26	35.24	July 26	32.74
Nov. 4	35.37	Feb. 2	34.59	May 25	35.19	Aug. 29	32.59
Dec. 3	35.72	Mar. 2	34.71	June 27	34.69	Sept. 28	32.90
Jan. 5, 1959	36.07	29	34.74	July 25	34.05	Oct. 24	33.26
29	35.78	Apr. 26	34.64	Aug. 29	33.56	Dec. 4	33.94
Feb. 26	35.71	May 26	34.41	Oct. 3	33.67	26	33.88
Apr. 1	35.92	June 30	33.61	Nov. 2	33.94		

Queens County

Q283. City of New York, Dept. of Water Supply, Gas and Electricity. Underhill Ave. and 171st St., Flushing. Lat 40°44'55", long 73°47'45". Drilled unused artesian well in Lloyd Sand Member of Raritan Formation, diam 26 to 12 in, depth 409 ft, screened 309-352, 367-409. Lsd 27.0 ft above msl. MP top of iron plate, 0.37 ft above lsd. Highest water level 5.48 above msl, Apr. 7, 1955; lowest 10.26 below msl, Sept. 3, 1947, Sept. 27, 1951. Records available: 1946-62. Recording gage removed July 6, 1960.

Mean water level for the day, above and below msl, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-2.07	....	-2.72	-2.36	-3.33	-4.40	....	-6.00	-6.15	-3.03	....	....
10	1.72	....	2.58	2.04	3.82	5.08	....	6.75	6.52	1.73	....	+1.38
15	1.62	....	2.56	1.97	4.33	5.03	....	6.91	6.47	.95	....	1.55
20	1.71	....	2.67	1.95	4.31	5.09	....	6.77	5.91	.37	....	1.27
25	1.76	....	2.78	2.40	4.38	4.71	h6.31	h6.71	4.02	+86	....	.93
Eom	....	....	2.50	2.92	4.18	h4.99	5.85	6.06	2.56	....	....	.75
1959												
5	+0.94	-1.77	....	+1.94	h-0.88	-3.04	-5.38	-6.39	-6.54	-6.72	-3.90	-3.21
10	1.23	2.10	....	+5.0	1.20	3.06	6.27	5.80	6.43	6.02	4.06	2.92
15	1.89	2.05	....	.00	1.36	3.70	6.15	5.74	6.30	5.56	4.01	2.57
20	+1.0	1.68	....	-.42	1.33	3.77	5.62	6.49	6.18	5.12	3.99	2.56
25	-.87	1.22	....	.57	2.04	4.14	5.78	6.82	6.61	4.12	3.06	2.19
Eom	1.44	....	....	.62	2.74	4.34	5.82	h6.95	6.96	3.91	3.12	e2.35
1960												
5	-2.30	-0.47	-0.38	-4.16	-4.17	-4.30	-6.27	....	....	....	....	....
10	1.88	.26	1.09	3.34	4.00	4.91	....	....	....	....	....	....
15	1.57	.38	2.53	2.93	3.46	5.05	....	....	....	....	....	....
20	1.28	.57	3.13	4.06	3.88	5.00	....	....	....	....	....	....
25	.80	.39	3.84	4.13	3.43	5.33	....	....	....	....	....	....
Eom	.16	.40	4.28	e4.28	3.78	6.18	....	....	....	....	....	....

e Estimated.

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 2, 1960	-6.16	Apr. 27, 1961	-0.26	Nov. 27, 1961	-3.90	May 29, 1962	-6.08
31	4.75	May 31	.09	Dec. 12	3.06	July 3	7.43
Oct. 2	4.22	June 29	2.89	29	2.88	30	7.68
Nov. 2	2.49	Aug. 1	4.80	Feb. 1, 1962	1.79	Aug. 29	2.90
29	-1.46	28	4.35	Mar. 2	3.02	Oct. 3	1.91
Jan. 31, 1961	+1.16	Oct. 2	6.33	27	4.36	31	2.35
Feb. 28	.46	31	3.75	Apr. 27	1.56	Dec. 5	3.89
Mar. 28	+1.13						

Q1089. City of New York, Dept. of Water Supply, Gas and Electricity. North Conduit Ave. near Long Island RR., Aqueduct. Lat 40°40'00", long 73°49'50". Driven observation water-table well in deposits of late Pleistocene age, diam 2 in, depth 32 ft, screened 30-32. Lsd 20.2 ft (previously reported 20.5 ft) above msl. MP top of 2-in coupling, at lsd (since May 5, 1959). Highest water level 4.04 above msl, Sept. 23, 1938; lowest 3.39 below msl, Mar. 28, 1959. Records available: 1911-17, 1932-39, 1941-62.

Q1089--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1958	+3.03	May 5, 1959	-3.06	June 29, 1960	+0.61	Sept. 29, 1961	+1.23
Mar. 4	3.24	28	3.39	July 26	.69	Dec. 22	1.14
Apr. 1	1.88	June 30	3.05	Aug. 30	1.35	29	1.13
30	2.15	July 31	2.73	Sept. 28	1.92	Jan. 31, 1962	1.01
May 27	2.11	Sept. 1	.16	Nov. 1	1.51	Mar. 1	1.46
June 27	2.12	Oct. 6	.29	29	1.31	27	1.60
July 25	1.94	Nov. 2	.14	Feb. 28, 1961	1.54	Apr. 26	1.19
Aug. 26	2.06	4	.18	Mar. 27	2.23	June 4	.90
Sept. 30	2.12	24	-.22	Apr. 27	.93	July 2	1.28
Nov. 4	2.07	Jan. 4, 1960	+.16	May 29	1.54	30	.96
Dec. 8	1.38	Feb. 1	.21	June 15	.43	Aug. 29	1.06
Jan. 5, 1959	1.24	29	.52	27	+.01	Oct. 2	.83
28	.91	Mar. 29	.45	July 29	-.22	31	.69
Mar. 2	+.83	May 2	.65	Aug. 29	+.79	Dec. 5	1.24
26	-1.46	June 2	.74				

Q1252. U. S. Geol. Survey. Formerly City of New York, Dept. of Water Supply, Gas and Electricity. Liberty Ave. and 157 St., Jamaica. Lat 40°42'00", long 73°47'55". Driven observation water-table well in deposits of late Pleistocene age, diam 1½ in, depth 60 ft, screened 58-60. Lsd 31.2 ft above msl. MP top of 1½-in coupling, 0.30 ft above lsd. Highest water level 13.92 above msl, Nov. 2, 1948; lowest 3.2 above msl, Oct. 29, Nov. 27, Dec. 23, 1957, Jan. 24, Mar. 4, Apr. 1, 1958. Records available: 1940-62. Well replaced October 1959. Formerly reported diam 1½ in, depth 28 ft, screened 26-28.

Jan. 24, 1958	(f)	Aug. 3, 1959	+5.33	Aug. 30, 1960	+4.47	Nov. 27, 1961	+5.89
Mar. 4	(f)	Oct. 5	4.33	Sept. 27	4.91	Jan. 2, 1962	5.99
Apr. 1	(f)	15	4.23	Nov. 1	4.97	Feb. 1	6.05
29	+5.19	27	4.18	29	5.02	Mar. 1	6.13
May 27	5.70	Nov. 25	4.25	Feb. 29, 1961	5.44	27	6.38
June 27	6.18	Dec. 30	4.25	Mar. 27	5.69	Apr. 27	6.53
July 25	6.17	Feb. 2, 1960	4.35	Apr. 27	5.98	May 29	6.37
Aug. 26	6.03	29	4.51	May 29	6.20	July 2	6.36
Sept. 30	5.82	Mar. 28	4.78	June 27	6.06	31	5.94
Nov. 4	6.01	May 3	5.08	July 29	5.83	Aug. 29	5.73
Dec. 8	6.20	June 2	5.02	Aug. 30	6.02	Oct. 3	5.57
Jan. 5, 1959	6.15	29	4.78	Sept. 29	5.70	31	5.58
28	6.11	July 26	4.61	Oct. 30	5.90	Dec. 3	5.65

f Dry.

Suffolk County

S1810. U. S. Geol. Survey. Formerly City of New York, Dept. of Water Supply, Gas and Electricity. Gardiner Dr., Pineaire. Lat 40°46'20", long 73°16'50". Driven observation water-table well in deposits of late Pleistocene age, diam 1½ in, depth 56 ft, screened 54-56. Lsd 90.1 ft (previously reported 93.7 ft) above msl. MP top of casing, 1.03 ft above lsd (since Oct. 7, 1959). Highest water level 56.19 above msl, Apr. 29, 1939; lowest 45.24 above msl, Feb. 23, 1933. Records available: 1912-14, 1932-62. Well replaced July 1958. Formerly reported diam 1½ in, depth 47 ft, screened 45-47.

July 14, 1958	+54.40	Aug. 4, 1959	+51.64	Oct. 3, 1960	+51.16	Dec. 4, 1961	+51.33
17	54.37	28	51.57	Nov. 7	51.11	29	51.10
28	54.18	Oct. 7	51.12	Dec. 6	50.88	Feb. 5, 1962	51.59
Aug. 26	53.69	23	50.84	Jan. 3, 1961	50.88	Mar. 1	51.57
Sept. 29	52.77	Nov. 25	50.37	31	50.98	Apr. 2	52.74
Oct. 30	52.27	Jan. 6, 1960	50.07	Feb. 27	51.05	May 2	53.20
Dec. 2	51.79	Feb. 2	50.17	Mar. 29	52.13	28	52.88
30	51.44	Mar. 1	50.43	Apr. 28	52.87	July 2	52.30
Jan. 28, 1959	51.09	Apr. 1	51.13	June 5	53.37	27	51.78
Feb. 26	50.80	May 3	51.56	July 3	53.37	Aug. 31	51.28
Mar. 30	50.84	June 7	51.60	27	53.29	Oct. 1	50.63
Apr. 28	51.52	28	51.31	Sept. 6	52.78	28	50.42
May 27	51.87	July 28	51.06	Oct. 6	52.27	Dec. 3	50.03
June 24	51.73	Aug. 30	50.75	30	51.92	26	49.98

S3513. New York State Division of Highways. State Highway 25, Seldon. Lat 40°51'45", long 73°02'55". Drilled unused water-table well in deposits of late Pleistocene age, diam 8 in, depth 65 ft, screened 63-65. Lsd 102.1 ft above msl. MP top of casing, 0.22 ft below lsd. Highest water level 67.63 above msl, Mar. 5, 1962; lowest 59.86 above msl, Feb. 15, 21, 23, 1948. Records available: 1942-62.

S3513--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1958	+62.96	May 1, 1959	+65.77	Aug. 1, 1960	+65.73	Nov. 2, 1961	+65.91
Feb. 26	63.71	29	66.08	Sept. 2	65.38	30	65.57
Mar. 25	64.13	July 2	66.17	Oct. 4	65.17	Jan. 3, 1962	65.20
Apr. 29	65.60	Aug. 4	66.28	Nov. 8	64.88	Feb. 6	65.36
May 27	66.54	27	66.11	Dec. 7	64.72	Mar. 5	67.63
June 25	67.30	Oct. 5	65.87	Jan. 6, 1961	64.59	Apr. 2	66.00
July 29	67.49	22	65.64	Feb. 1	64.45	30	66.37
Aug. 25	67.13	Nov. 24	65.29	28	64.50	May 31	66.43
Sept. 26	66.69	Jan. 1, 1960	65.13	Apr. 4	65.14	July 3	66.10
Oct. 29	66.34	Feb. 1	65.35	May 1	65.60	26	65.83
Dec. 1	66.06	29	65.67	June 5	66.13	Aug. 31	65.42
Jan. 7, 1959	65.80	Apr. 6	65.88	July 5	66.10	Oct. 2	65.07
29	65.62	May 4	66.09	27	66.46	29	64.91
Feb. 25	65.47	June 7	66.26	Sept. 6	66.53	Dec. 3	64.76
Mar. 31	65.33	30	66.09	Oct. 5	66.27	26	64.76

S3514. Herman Jurgens. Jericho Turnpike, Commack. Lat 40°50'35", long 73°18'00". Dug unused water-table well in deposits of late Pleistocene age, diam 30 in, depth 95 ft, brick-lined. Lsd 153.67 ft (previously reported 154.2 ft) above msl. MP top of 2-in coupling, at lsd (since Oct. 20, 1961). Highest water level 72.51 above msl, Feb. 25, 1956; lowest 64.23 above msl, Mar. 18, 26, 1951. Records available: 1942-62.

Jan. 28, 1958	+67.98	May 1, 1959	+70.34	Aug. 1, 1960	+69.88	Nov. 9, 1961	+71.51
Feb. 26	68.00	29	70.16	Sept. 2	70.09	Dec. 4	71.27
Mar. 25	68.59	July 2	69.97	Oct. 3	71.16	29	71.09
Apr. 28	69.22	Aug. 4	69.56	Nov. 7	71.16	Feb. 5, 1962	71.21
May 27	70.16	27	69.71	Dec. 6	71.18	Mar. 1	70.91
June 25	71.09	Oct. 5	69.62	Jan. 3, 1961	71.14	Apr. 2	71.24
July 30	71.48	22	69.51	31	71.06	May 2	71.47
Aug. 30	71.78	Nov. 24	69.57	Feb. 27	70.81	28	71.21
Sept. 26	71.89	Jan. 5, 1960	69.29	Mar. 29	71.13	July 2	71.34
Oct. 29	71.79	Feb. 1	69.24	Apr. 28	71.43	27	71.11
Dec. 1	71.49	29	69.19	June 5	71.59	Aug. 31	71.12
Jan. 8, 1959	71.20	Apr. 6	69.14	July 5	71.70	Oct. 1	70.98
29	70.92	May 4	69.30	27	71.76	28	71.01
Feb. 26	70.76	June 7	69.53	Sept. 5	71.66	Dec. 5	70.92
Apr. 1	70.55	30	69.65	Oct. 5	71.57	27	70.70

S3543. City of New York, Board of Water Supply. West of Old Riverhead Rd. (previously reported Suffolk Airport), Westhampton. Lat 40°51'00", long 72°39'00". Driven observation water-table well in deposits of late Pleistocene age, diam 2 in, depth 58 ft, screened 56-58. Lsd 64.4 ft above msl. MP top of casing, 0.04 ft above lsd. Highest water level 2.46 above msl, June 24, 1958; lowest 15.18 above msl, Feb. 27, 1951. Records available: 1947-09, 1942-43, 1947-62.

Jan. 27, 1958	+17.09	May 1, 1959	+20.71	Aug. 1, 1960	+18.81	Nov. 6, 1961	+19.45
Feb. 26	18.45	29	20.91	Sept. 2	18.54	28	19.39
Mar. 25	19.08	July 1	20.69	Oct. 4	18.40	Jan. 3, 1962	19.10
Apr. 28	20.36	Aug. 4	20.75	Nov. 8	18.02	Feb. 6	19.42
May 26	21.00	Sept. 1	20.66	Dec. 7	18.05	Mar. 5	19.68
June 24	21.46	28	20.43	Jan. 6, 1961	17.94	Apr. 3	19.90
July 29	21.24	Oct. 28	20.07	Feb. 1	17.90	30	20.30
Aug. 25	20.86	Nov. 23	19.65	28	18.06	May 31	20.31
Sept. 26	20.50	Dec. 30	19.16	Apr. 4	18.66	July 3	20.02
Oct. 28	20.11	Feb. 1, 1960	18.81	May 1	19.09	26	19.78
Dec. 1	20.20	29	18.65	31	19.36	Aug. 31	19.42
Jan. 7, 1959	20.14	Apr. 6	18.90	July 6	19.68	Oct. 2	19.27
29	19.94	May 4	19.09	26	19.79	29	19.06
Feb. 25	19.77	June 8	19.20	Sept. 6	19.55	Dec. 4	18.81
Mar. 31	19.65	July 6	18.97	Oct. 4	19.49	27	19.07

S4271. U.S. Geol. Survey. Long Island Research Farm, Riverhead. Lat 40°57'30", long 72°43'30". Drilled observation water-table well in deposits of late Pleistocene age, diam 4 in, depth 105 ft, screened 100-105. Lsd 100.3 ft above msl. MP top of 4-in coupling, 1.14 ft above lsd. Highest water level 12.88 above msl, June 30, 1958; lowest 9.12 above msl, Sept. 10-12, 1950. Records available: 1945-62.

Jan. 6, 1958	+9.97	Feb. 10, 1958	+10.47	Mar. 17, 1958	+11.24	Apr. 21, 1958	+11.88
13	10.02	24	10.78	24	11.36	28	11.99
20	10.09	26	10.82	31	11.49	May 5	12.09
27	10.24	Mar. 3	10.90	Apr. 7	11.64	12	12.21
Feb. 3	10.43	10	11.08	14	11.77	19	12.31

S4271--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 26, 1958	+12.43	July 20, 1959	+11.97	Sept. 13, 1960	+10.72	Nov. 13, 1961	+10.76
June 2	12.55	26	11.97	19	10.77	20	10.75
9	12.65	Aug. 3	11.85	26	10.89	27	10.78
16	12.76	10	11.86	Oct. 3	10.98	Dec. 4	10.76
23	12.81	17	11.86	10	11.03	11	10.71
30	12.88	24	11.73	17	11.05	18	10.70
July 7	12.64	31	11.70	24	11.09	26	10.68
14	12.75	Sept. 7	11.74	31	11.10	Jan. 1, 1962	10.66
21	12.60	14	11.74	Nov. 7	11.12	8	10.68
28	12.41	21	11.70	14	11.11	15	10.76
Aug. 4	12.60	28	11.66	21	11.11	22	10.74
11	12.30	Oct. 5	11.64	28	11.09	29	10.74
18	12.24	12	11.64	Dec. 5	11.06	Feb. 5	10.77
25	12.28	19	11.61	19	11.01	12	10.77
Sept. 1	12.34	27	11.64	26	11.01	19	10.84
8	12.37	Nov. 2	11.64	Jan. 3, 1961	11.01	26	10.86
15	12.36	9	11.56	9	11.09	Mar. 5	11.09
22	12.36	16	11.55	16	11.09	12	11.16
29	12.34	23	11.52	23	11.10	19	11.22
Oct. 6	12.34	30	11.48	30	11.06	26	11.28
13	12.35	Dec. 7	11.51	Feb. 13	11.02	Apr. 2	11.33
20	12.31	14	11.41	20	10.97	9	11.36
27	12.34	21	11.36	27	11.14	16	11.38
Nov. 3	12.40	28	11.36	Mar. 6	11.18	23	11.42
10	12.44	Jan. 4, 1960	11.35	13	11.20	30	11.41
17	12.38	11	11.29	20	11.24	May 7	11.44
24	12.38	18	11.26	27	11.27	14	11.43
Dec. 1	12.30	25	11.24	Apr. 3	11.31	21	11.40
8	12.30	Feb. 1	11.20	10	11.34	28	11.29
15	12.27	8	11.20	17	11.34	June 4	11.14
22	12.24	15	11.18	24	11.39	11	11.09
29	12.19	22	11.17	May 1	11.39	18	11.07
Jan. 5, 1959	12.24	29	11.14	8	11.41	25	11.09
12	12.17	Mar. 7	11.12	15	11.42	July 2	11.08
19	12.15	14	11.13	22	11.44	9	10.88
26	12.14	21	11.18	29	11.44	16	10.67
Feb. 2	12.11	28	11.17	June 5	11.41	23	10.56
9	12.10	Apr. 4	11.17	12	11.40	30	10.56
16	12.21	11	11.14	19	11.38	Aug. 6	10.41
23	12.31	18	11.19	26	11.36	13	10.36
Mar. 2	12.26	25	11.20	July 3	11.24	20	10.38
9	12.26	May 2	11.24	10	11.02	27	10.37
16	12.27	9	11.24	17	10.84	Sept. 5	10.39
23	12.25	16	11.31	24	10.83	10	10.41
30	12.25	23	11.34	31	10.74	17	10.38
Apr. 6	12.30	30	11.35	Aug. 7	10.70	24	10.36
13	12.28	June 6	11.38	14	10.66	Oct. 1	10.36
20	12.32	13	11.28	21	10.83	8	10.39
27	12.30	20	11.30	28	10.75	15	10.40
May 4	12.31	27	11.15	Sept. 4	10.58	22	10.41
11	12.28	July 4	10.99	11	10.57	29	10.39
18	12.23	11	10.93	19	10.55	Nov. 5	10.39
25	12.16	18	10.85	25	10.62	12	10.40
June 1	12.09	25	10.87	Oct. 2	10.66	19	10.42
8	12.03	Aug. 1	10.78	9	10.70	26	10.43
15	11.96	8	10.76	16	10.73	Dec. 3	10.46
22	11.95	15	10.78	23	10.75	10	10.50
29	11.96	22	10.81	30	10.80	17	10.48
July 6	11.94	29	10.75	Nov. 6	10.78	24	10.46
13	11.90	Sept. 5	10.70				

S5517. Brookhaven National Lab. Upton Rd. and Princeton Ave. Lat 40°51'50", long 72°53'15". Drilled observation water-table well in deposits of late Pleistocene age, diam 4 in, depth 91 ft, screened 85-91. Lsd 115.0 ft above msl. MP top of casing, 0.04 ft above lsd. Highest water level 46.93 above msl, June 25, 1958; lowest 39.60 above msl, Feb. 4-6, 8-9, 1951. Records available: 1948-62.

S5517--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1958	+41.62	May 1, 1959	+45.60	Aug. 1, 1960	+43.14	Nov. 30, 1961	+42.97
Feb. 26	43.06	29	45.67	Sept. 2	42.96	Jan. 4, 1962	42.56
Apr. 1	43.97	July 1	45.36	Oct. 4	42.19	Feb. 6	43.28
28	45.51	Aug. 4	45.17	Nov. 8	41.78	Mar. 5	43.45
May 26	46.54	Sept. 8	44.81	Dec. 7	41.46	Apr. 3	44.05
June 25	46.93	Oct. 5	44.42	Jan. 4, 1961	41.29	May 1	44.46
July 29	46.49	26	44.03	Feb. 28	41.26	31	44.60
Aug. 25	45.99	Nov. 24	43.59	Apr. 4	42.48	July 3	44.14
Sept. 26	45.46	Dec. 30	43.10	May 1	42.90	26	43.91
Oct. 29	45.11	Feb. 2, 1960	43.05	31	43.60	Aug. 31	43.39
Dec. 1	45.12	Mar. 1	43.08	June 28	44.12	Oct. 2	42.77
Jan. 7, 1959	45.04	Apr. 6	43.64	July 27	44.23	29	42.37
29	44.92	May 4	44.03	Sept. 6	44.04	Dec. 4	41.95
Feb. 25	44.79	June 8	43.82	Oct. 5	43.74	26	41.99
Mar. 31	44.96	28	43.60	Nov. 2	43.42		

S6434. Brookhaven National Lab. 10th St. and 4th Ave. Lat 40°52'20", long 72°52'35". Drilled observation artesian well in Lloyd Sand Member of Raritan Formation. diam 10 in, depth 1,395 ft, screened 1,312-1,392. Lsd 85.0 ft above msl. MP top of steel plate, 2.02 ft above lsd. Highest water level 35.20 above msl, July 29, 1958; lowest 30.60 above msl, Jan. 23, 1951. Records available: 1949-62.

Jan. 27, 1958	+32.62	May 1, 1959	+34.57	Aug. 1, 1960	+33.48	Nov. 2, 1961	+33.43
Feb. 26	32.63	29	34.49	Sept. 2	33.30	30	33.42
Mar. 25	33.20	July 1	34.40	Oct. 4	33.20	Jan. 4, 1962	33.23
Apr. 28	34.02	Aug. 4	34.34	Nov. 8	32.81	Feb. 6	33.48
May 26	34.63	Sept. 1	34.34	Dec. 7	32.97	Mar. 5	33.58
June 25	34.92	Oct. 5	34.07	Jan. 4, 1961	32.95	Apr. 3	33.65
July 29	35.20	26	34.19	Feb. 1	32.73	May 1	33.90
Aug. 25	35.08	Nov. 24	34.02	28	32.80	31	33.93
Sept. 26	34.88	Dec. 30	33.82	Apr. 4	33.46	July 3	33.77
Oct. 29	35.08	Feb. 2, 1960	33.57	May 1	33.35	26	33.78
Dec. 1	34.63	Mar. 1	33.42	31	33.68	Aug. 31	33.50
Jan. 7, 1959	34.66	Apr. 6	33.91	June 28	33.74	Oct. 2	33.22
29	34.26	May 4	33.64	July 27	33.80	29	33.05
Feb. 25	34.22	June 8	33.69	Sept. 5	33.69	Dec. 4	33.04
Mar. 31	34.38	28	33.60	Oct. 5	33.67	26	32.96

S6455. Brookhaven National Lab. 10th St. and 4th Ave. Lat 40°52'20", long 72°52'35". Drilled observation artesian well in sands of Magothy (?) Formation, diam 4 in, depth 962 ft, screened 952-962. Lsd 84.6 ft above msl. MP top of casing, 0.56 ft above lsd. Highest water level 41.70 above msl, June 25, 1958; lowest 35.82 above msl, Jan. 13, 1950. Records available: 1949-52, 1954-62.

Jan. 27, 1958	+38.12	May 1, 1959	+40.57	Sept. 2, 1960	+38.52	Nov. 2, 1961	+39.08
Feb. 26	38.76	29	40.46	Oct. 4	38.39	30	38.93
Mar. 25	39.54	July 1	40.15	Nov. 8	37.93	Jan. 4, 1962	38.92
Apr. 28	40.90	Aug. 4	40.23	Dec. 7	38.03	Feb. 6	39.43
May 26	41.67	Sept. 1	40.03	Jan. 4, 1961	38.21	Mar. 5	39.64
June 25	41.78	Oct. 5	39.53	Feb. 1	38.11	Apr. 3	39.94
July 29	41.65	26	39.37	28	38.26	May 1	40.23
Aug. 25	41.25	Nov. 24	39.14	Apr. 4	39.15	31	39.91
Sept. 26	40.77	Dec. 30	38.92	May 1	39.48	July 3	39.61
Oct. 29	40.78	Feb. 2, 1960	39.07	31	39.67	26	39.33
Dec. 1	40.62	Apr. 6	39.38	June 28	39.81	Aug. 31	38.87
Jan. 7, 1959	40.47	May 4	39.48	July 27	39.72	Oct. 2	39.21
29	40.20	June 8	39.32	Sept. 6	39.36	29	38.52
Feb. 25	39.99	28	39.20	Oct. 5	39.21	Dec. 26	38.63
Mar. 31	40.36	Aug. 1	38.85				

S6452. Cutchogue Fire Dept. Depot Lane, Cutchogue. Lat 41°01'05", long 72°29'25". Drilled fire-protection water-table well in deposits of late Pleistocene age, diam 6 in, depth 36 ft, screen assumed at bottom. Lsd 24.4 ft above msl. MP bottom edge of hose connection, 1.79 ft above lsd (since Feb. 27, 1958). Highest water level 8.27 above msl, May 29, 1958; lowest 3.22 above msl, Nov. 2, 1950. Records available: 1949-62.

Jan. 29, 1958	+5.66	July 31, 1958	+7.02	Mar. 2, 1959	+6.29	Oct. 28, 1959	+5.37
Feb. 27	5.88	Sept. 2	6.45	Apr. 14	6.97	Dec. 28	5.14
Apr. 1	7.02	30	6.24	May 4	6.95	Feb. 29, 1960	5.86
May 7	8.13	Nov. 6	6.34	June 8	6.50	Apr. 4	6.30
29	8.27	Jan. 7, 1959	6.22	July 7	6.23	May 4	6.31
June 26	7.88	29	6.02	29	6.92	June 8	6.00

S6542--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 28, 1960	+5.61	Feb. 28, 1961	+5.93	Oct. 4, 1961	+5.85	May 1, 1962	+7.00
Aug. 2	5.14	Apr. 4	6.26	Nov. 1	5.70	31	6.52
Sept. 2	4.83	May 1	6.49	30	5.41	Aug. 31	4.79
Oct. 4	5.11	31	6.44	Jan. 4, 1962	5.17	Oct. 2	4.56
Nov. 3	4.98	June 29	6.92	Feb. 6	6.15	29	4.56
Dec. 7	4.81	July 26	5.70	Mar. 5	7.15	Dec. 4	4.98
Jan. 4, 1961	5.30	Sept. 6	6.30	Apr. 3	7.29	27	5.11

S8836. Southampton Fire Dept. Nugent St., Southampton. Lat 40°53'15", long 72°23'35". Drilled fire-protection water-table well in deposits of late Pleistocene age, diam 8 in, depth 37 ft, screen assumed at bottom. Lsd 17.4 ft above msl. MP top of casing, 1.47 ft above lsd. Highest water level 8.88 above msl, Apr. 29, 1953; lowest 5.61 above msl, Jan. 23, 1951. Records available: 1950-62.

Jan. 27, 1958	+7.17	May 1, 1959	+8.01	Aug. 2, 1960	+6.71	Nov. 6, 1961	+7.36
Feb. 26	7.58	29	7.70	Sept. 2	6.43	28	7.23
Mar. 25	8.24	July 1	7.44	Oct. 4	6.93	Jan. 3, 1962	7.10
Apr. 28	8.75	Aug. 4	7.23	Nov. 8	6.90	Feb. 6	7.82
May 26	8.83	31	7.02	Dec. 7	6.63	Mar. 5	8.10
June 24	8.40	Sept. 28	6.76	Jan. 4, 1961	6.80	Apr. 3	8.19
July 29	7.87	Oct. 27	6.60	Feb. 1	6.84	30	7.76
Aug. 25	7.57	Nov. 23	6.41	28	7.31	May 31	7.51
Sept. 26	7.15	Dec. 29	6.43	Apr. 4	7.85	July 3	7.11
Oct. 28	7.40	Feb. 1, 1960	6.40	May 1	7.87	Aug. 31	6.73
Dec. 1	7.23	29	6.85	31	7.96	Oct. 2	6.52
Jan. 7, 1959	7.10	Apr. 6	7.21	June 27	7.80	29	6.40
29	6.97	May 4	7.31	July 26	7.45	Dec. 4	6.63
Feb. 25	7.10	June 8	7.07	Sept. 5	7.96	27	6.62
Mar. 31	7.56	July 5	6.91	Oct. 4	8.09		

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Errata

- Allegany County. Well Ag 95. Delete measurements from Aug. 27 through Oct. 29, 1949.
- Broome County. Well Bm 87. Change date of measurement of Mar. 28, 1948, to Mar. 20, 1948.
- Broome County. Well Bm 105. Add 0.20 ft to the measurements of May 4, Sept. 4, and Dec. 6, 1953.

Errata--Continued.

- Cattaraugus County. Well Ct 121. Delete all measurements in Oct., Nov., and Dec., 1955.
- Jefferson County. Well J 21. Delete measurements of Apr. 4, 1953, Nov. 28, 1953, and Sept. 18, 1954.
- Niagara County. Well Ni 30. Delete measurement of Feb. 24, 1951. Measurement on July 28, 1951, is 5.99.
- Montgomery County. Well Mt 1. Measurement on Apr. 26, 1949, is 5.82.
- St. Lawrence County. Well St 1. Measurement on Dec. 7, 1946, is 5.99. Measurement on Apr. 3, 1955, is 5.06.
- St. Lawrence County. Well St 392. Measurement on June 13, 1953, is 6.39. Measurement on Jan. 2, 1954, is 9.58.
- Westchester County. Well We 4. Measurement on Sept. 28, 1953, is 26.9. Measurements in 1955 report are "Weekly highest water level from recorder graph."

OHIO

By Stanley E. Norris

The observation-well program was continued in Ohio during the period 1958 through 1962 in cooperation with the Ohio Department of Natural Resources, Division of Water, the Commissioners of Hamilton County, and the Miami Conservancy District. Figure 11 shows the location of observation wells included in this report.

Well-Numbering System

Wells are designated by abbreviations derived from county names and by serial numbers. The letter "a" after the serial number indicates a well whose record is considered to be an extension of that of the well having the corresponding number. For example, the record of Al-1a may be used as a continuation of the record of well Al-1.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated. A plus sign before the measurement indicates that it is above the plane of reference.

Allen County

Al-1a. Standard Oil Co. Lat 40°42'30", long 84°07'30". Drilled unused artesian well in dolomite, diam 10 in, depth 375 ft. Lsd 875 ft above msl. MP floor of instrument shelter, 1.40 ft above lsd. Highest water level 123.95 below lsd, May 17, 1954; lowest 160.90 below lsd, Sept. 2, 1962. Records available: 1950-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	155.70	151.10	146.20	149.10	150.20	156.60	.....	157.10	157.20	156.80	152.10	155.00
10	156.20	150.40	150.00	153.30	156.00	154.30	157.70	.....	156.50	154.60	155.20	.....
15	156.80	150.80	146.40	156.80	155.90	156.50	.....	157.00	156.30	153.40	155.70	.....
20	152.50	152.80	142.60	157.00	157.40	157.20	156.40	153.40	156.00	152.60	154.30	.....
25	154.30	149.80	143.20	145.10	157.00	157.90	156.20	153.90	155.90	151.90	153.00	154.20
Eom	154.20	148.10	143.60	144.50	153.00	157.90	157.10	.....	156.40	150.40	.....	154.10
1959												
5	.....	147.20	144.70	154.30	143.30	147.10	157.20	151.00	154.20	155.80	144.10	150.00
10	151.00	147.20	145.20	152.90	144.10	150.80	157.30	153.30	153.00	152.90	148.70	151.20
15	152.00	143.50	147.80	.....	145.20	151.20	153.60	156.50	148.70	149.40	146.10	151.20
20	152.80	147.00	153.20	.....	.....	152.10	152.20	156.00	150.60	153.80	152.00	151.20
25	151.70	148.40	151.00	137.30	143.20	150.60	152.30	156.10	150.00	155.30	151.70	149.30
Eom	147.90	145.60	152.40	142.60	144.30	155.60	150.80	154.40	153.80	156.00	153.00	149.90
1960												
5	156.40	155.40	137.50	153.40	156.20	156.60	152.60	.....	155.20	156.20	138.40	155.20
10	156.70	156.10	147.40	153.90	153.10	156.40	152.00	.....	156.10	155.80	137.60	155.90
15	153.70	156.50	.....	154.60	154.70	156.10	151.80	156.20	156.40	154.10	145.40	154.40
20	149.40	150.20	150.80	155.40	155.50	155.70	149.60	156.40	154.70	150.40	145.00	154.10
25	154.20	142.00	152.20	155.80	153.10	155.10	150.90	156.40	153.70	149.40	146.00	154.40
Eom	154.80	138.00	152.80	155.70	.....	153.40	156.70	156.10	156.10	136.20	148.60	151.00
1961												
5	151.70	156.10	154.00	154.40	147.70	153.10	155.50	157.00	156.20	153.50	156.80	.....
10	149.30	156.70	154.10	150.10	148.50	148.20	144.90	156.80	156.20	.....	155.80	.....
15	150.60	156.30	154.30	147.50	148.60	148.40	150.00	156.60	155.50	.....	154.40	156.10
20	149.90	156.60	153.90	146.70	149.10	149.60	148.80	156.10	156.20	155.40	153.00	156.90
25	149.50	156.00	153.10	148.10	152.60	148.80	155.50	156.50	155.70	156.40	155.10	158.20
Eom	150.80	156.00	155.30	148.20	153.90	154.90	156.70	156.00	156.10	156.80	155.20	159.50



Figure 11. --Location of observation wells in Ohio, 1958-62.

Al-1a--Continued.

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	159.70	151.70	154.30	157.20	155.20	154.30	155.40	.....	.....	160.00	.....	.....
10	159.90	151.80	157.40	157.40	155.80	154.60	158.10	.....	159.50	160.10	.....	155.50
15	160.00	154.90	157.80	157.50	156.40	154.10	.....	154.50	159.00	159.70	152.80	155.40
20	.....	.....	.....	159.10	158.70	154.90	.....	154.70	159.50	159.10	151.50	.....
25	.....	153.20	153.30	.....	160.20	155.20	.....	.....	159.30	157.10	150.80	157.80
Eom	152.80	153.60	158.10	155.00	154.20	154.90	.....	160.70	160.20	.....	.....	159.80

Auglaize County

Au-1. C. W. Manchester. Lat 40°33'42", long 83°54'18". Drilled unused artesian well in limestone, diam 4 in, depth 96 ft. Lsd 1,030 ft above msl. MP floor of instrument shelter, 3.70 ft above lsd. Highest water level 14.33 below lsd, Apr. 11, 1948; lowest 22.31 below lsd, Feb. 14, 15, 20, 21, 1961. Records available: 1946-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.66	15.73	16.34	15.81	15.71	16.23	15.66	15.38	15.41	15.53	15.94	15.66
10	15.59	.....	16.26	15.75	15.82	16.10	15.61	15.33	15.50	15.59	16.10	15.66
15	15.62	.....	16.16	15.73	15.78	15.80	15.33	15.23	15.57	15.73	16.11	15.65
20	15.70	.....	16.77	15.82	15.89	15.57	15.29	15.37	15.50	15.72	16.05	15.71
25	15.68	16.37	16.09	15.73	15.98	15.70	15.20	15.24	15.48	15.75	16.00	15.82
Eom	15.70	16.32	15.88	15.77	16.13	15.59	15.30	15.32	15.46	15.86	15.84	15.97

1959

5	15.97	15.84	15.49	15.40	15.53	15.73	16.47	17.57	18.29	19.03	19.23	18.81
10	16.12	15.78	15.31	15.38	15.46	15.87	16.70	17.55	18.44	19.01	19.29	18.72
15	16.01	15.50	15.19	15.52	15.59	16.07	16.77	17.62	18.49	19.09	19.29	18.53
20	16.12	15.53	15.33	15.49	15.45	16.33	17.16	17.98	19.12	19.19	19.19	18.33
25	15.79	15.45	15.47	15.57	15.46	16.32	17.26	18.41	18.79	19.13	19.02	18.15
Eom	15.79	15.44	15.45	15.32	15.53	16.42	17.17	18.48	18.87	19.29	18.92	17.85

1960

5	17.65	16.65	16.39	16.64	16.70	16.97	17.25	17.85	18.71	19.56	20.54	21.23
10	17.46	16.36	16.45	16.63	16.68	17.12	17.44	17.99	18.83	19.79	20.55	21.31
15	17.15	16.41	16.53	16.58	16.73	17.13	17.32	18.13	18.98	20.00	20.76	21.38
20	17.02	16.36	16.58	16.57	16.82	17.19	17.41	18.24	19.08	20.06	20.80	21.50
25	16.90	16.32	16.85	16.66	16.89	17.17	17.80	18.29	19.27	20.21	20.95	21.51
Eom	16.77	16.36	16.75	16.61	16.91	17.28	17.80	18.63	19.48	20.32	21.13	21.52

1961

5	21.77	22.18	21.68	18.69	16.99	16.89	17.60	17.51	17.74	17.76	18.30	18.28
10	21.85	22.19	21.26	18.38	16.74	16.77	17.67	17.54	17.73	17.86	18.37	18.24
15	21.92	22.31	20.75	18.21	16.68	16.96	17.51	17.60	17.72	17.92	18.46	18.18
20	21.97	22.31	20.27	17.85	16.61	16.98	17.33	17.55	17.74	17.97	18.50	18.05
25	22.13	22.12	19.71	17.43	16.58	16.95	17.31	17.61	17.95	18.07	18.45	17.94
Eom	22.15	22.02	19.11	17.22	16.77	17.25	17.36	17.75	17.76	18.21	18.39	17.93

1962

5	17.87	17.19	17.09	16.64	17.75	17.10	17.63	18.29	19.00	19.73	20.25	19.88
10	17.79	17.18	16.95	16.62	17.31	17.22	18.01	18.54	19.18	19.83	20.22	19.74
15	17.64	17.08	16.93	16.58	16.98	17.22	17.84	18.61	19.36	19.98	20.15	19.72
20	17.50	17.14	16.90	16.69	16.91	17.50	18.22	18.61	19.43	19.98	20.06	19.79
25	17.33	17.07	16.80	16.76	16.99	17.57	17.85	18.65	19.52	20.15	20.18	19.73
Eom	17.23	17.11	16.73	17.52	17.02	17.84	18.16	18.84	19.72	20.19	20.02	19.65

Belmont County

B-1. City of Martins Ferry. Lat 40°07'12", long 80°42'34". Drilled unused water-table well in gravel, diam 40 in, depth 79 ft, cased to 79. Lsd 650 ft above msl. MP floor of instrument platform, 14.00 ft above lsd. Highest water level 6.45 below lsd, Oct. 16-18, 1954 (water level was higher but could not be recorded during January 1959 flood); lowest 38.10 below lsd, Aug. 13, 1951. Records available: 1948-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	32.35	35.40	27.30	.....	21.60	34.15	34.85	27.20	33.80	34.45	34.45	.....
10	33.85	.....	31.40	.....	16.15	34.40	34.35	29.25	33.05	35.70	35.60	.....
15	33.95	.....	33.65	.....	30.50	32.75	31.75	31.45	35.65	35.90	35.55	.....
20	32.75	37.15	34.40	33.05	32.85	34.50	29.05	33.50	35.20	35.75	32.25	33.95
25	30.25	37.15	32.30	31.55	33.25	33.95	27.55	33.30	34.10	35.95	34.30	35.50
Eom	33.70	30.20	27.30	27.50	34.25	34.75	32.10	33.85	34.25	35.50	.....	35.50

B-1--Continued.

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	33.35	.....	33.30	23.90	29.50	34.40	35.65	35.60	35.85	35.50	31.50	30.95
10	.....	.....	29.95	29.70	32.05	35.90	35.80	35.70	36.10	33.80	33.45	31.35
15	34.15	.....	.....	31.00	31.90	35.60	35.10	34.85	36.15	34.40	32.90	19.20
20	32.75	25.65	29.50	33.00	32.85	36.20	36.25	36.15	34.60	34.65	32.85	28.00
25	.....	30.75	31.75	33.10	34.10	35.85	36.00	36.00	35.75	33.95	33.25	32.05
Eom	.....	31.65	29.80	26.50	33.50	35.55	34.95	35.75	35.85	34.00	26.60	26.90

1960												
5	25.05	35.20	33.50	35.25	36.40	36.05	36.20	36.00	35.75
10	31.15	33.80	29.20	35.20	34.95	36.15	36.05	35.95	35.65	36.15
15	26.35	34.05	31.65	24.80	32.55	35.90	36.50	34.90	36.10	35.25	36.55
20	26.45	31.55	33.15	24.40	31.20	33.15	36.00	36.25	35.80	36.10	36.00	36.20
25	33.35	33.25	33.05	32.40	35.20	35.95	36.05	35.35	35.90	35.90	36.10
Eom	33.05	34.45	32.50	35.40	35.85	36.10	35.95	35.90	36.30	36.00

1961												
5	36.35	36.45	18.00	30.60	29.15	31.95	35.35	32.15	35.60	36.50	36.20	36.50
10	36.35	36.65	19.25	31.35	27.75	32.55	35.10	36.20	35.20	36.45	37.20	35.30
15	35.20	34.70	24.55	25.60	32.20	30.40	34.80	35.45	35.50	35.75	37.20	34.00
20	34.60	24.75	28.80	24.60	32.55	34.00	35.20	35.40	35.90	36.60	35.40	31.55
25	35.85	21.00	27.60	25.55	33.60	33.70	35.00	36.25	36.40	36.30	32.25	33.25
Eom	36.65	16.80	31.10	19.50	34.75	36.00	35.95	36.30	36.50	37.30	34.40	35.85

From	35.95	35.05	34.75	34.15	33.20	32.15	31.95	31.50	31.25	31.00	30.75	30.50
1962												
5	35.95	34.85	27.70	28.10	33.20	36.40	36.90	35.50	36.25	35.50	34.45	.....
10	29.60	35.05	33.20	25.25	34.65	36.05	36.90	35.80	36.40	35.10	35.80	.....
15	34.75	35.70	25.45	23.90	35.50	34.90	36.30	35.50	35.45	36.30	33.35	.....
20	35.50	35.65	31.95	29.00	35.65	35.80	37.30	36.40	36.40	35.75	33.30	35.15
25	32.30	26.60	21.95	32.15	36.75	36.40	36.60	36.70	36.40	36.25	32.10	.....
Eom	32.50	26.65	30.15	35.50	36.20	37.15	37.35	36.40	35.00	34.80	34.90	34.70

Butler County

Bu-1. City of Middletown. Columbia Ave., Middletown. Lat 39°32', long 84°25'. Drilled unused artesian well in gravel, diam 8 in, depth 62 ft, cased to 62. Lsd 652.7 ft above msl. MP floor of instrument platform, 2.80 ft above lsd (previously reported top of grating over pump pit, 1.00 ft above lsd). Highest water level 13.25 below lsd, May 4, 1947; lowest 41.10 below lsd, Sept. 25, 1941. Records available: 1941-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.48	26.45	27.00	27.65	25.85	26.05	21.84	.....	24.30	25.54	26.99	27.13
10	26.02	26.67	27.11	27.03	23.10	25.98	22.00	.....	24.45	26.08	27.06	26.80
15	26.45	27.07	27.28	26.59	.....	19.35	22.37	22.50	24.70	25.99	27.20	27.13
20	26.70	27.48	27.22	26.50	.....	19.13	22.67	22.85	25.18	26.21	27.26	27.53
25	26.27	27.63	27.48	26.53	.....	20.25	21.31	23.15	25.27	26.56	26.97	27.58
Eom	26.33	27.40	27.23	26.30	.....	20.70	21.54	23.85	25.38	26.75	26.85	27.63

From	20.02	21.12	21.42	21.52	22.02	22.12	22.22	22.32	22.42	22.52	23.02	23.12	23.22
1959													
5	27.26	21.16	22.02	22.59	23.61	24.36	25.73	27.28	28.59	29.14	29.51	28.78	
10	27.45	21.62	21.94	22.82	24.11	25.02	26.43	27.52	28.72	29.22	29.24	28.83	
15	27.70	20.14	22.06	23.16	23.69	25.22	26.75	27.98	28.71	29.18	28.94	28.52	
20	27.20	20.80	21.92	23.65	23.89	25.45	27.37	28.15	28.97	29.05	28.76	28.68	
25	17.15	21.35	22.07	24.12	24.18	25.25	27.32	28.50	29.41	29.75	28.94	28.58	
Eom	20.15	21.74	22.32	23.64	24.19	25.21	27.22	28.78	29.40	29.73	28.78	28.37	

1960												
5	28.35	28.38	28.29	27.77	28.96	29.18	28.55	29.87	31.01	31.44	31.83	31.25
10	28.70	27.92	28.38	27.86	28.83	29.34	28.72	29.91	31.38	31.78	31.88	31.49
15	28.59	26.88	28.71	28.25	28.87	29.22	28.88	29.90	31.32	31.70	31.70	31.69
20	27.51	27.33	28.79	28.20	29.14	29.10	28.99	30.27	31.32	31.54	31.53	31.75
25	27.66	27.66	28.74	28.35	29.20	29.00	29.46	30.60	31.33	31.35	31.26	31.82
Eom	28.19	27.87	28.13	28.38	28.79	29.04	29.63	31.03	31.36	31.75	31.34	31.97

Year	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
5	31.93	31.88	29.59	26.50	24.01	25.89	27.37	28.94	29.77	30.52	31.33	30.99		
10	31.88	31.95	27.86	26.75	23.05	26.34	27.40	29.25	29.80	30.90	31.23	30.68		
15	31.86	31.95	27.25	26.35	23.65	25.65	28.04	28.83	30.12	31.69	31.33	30.85		
20	31.70	31.51	26.86	25.74	24.51	25.78	28.28	29.11	30.32	31.48	31.04	30.91		
25	31.70	31.22	26.21	25.46	25.00	26.43	28.51	29.37	30.63	31.33	30.99	30.50		
Eom	31.70	30.50	26.12	23.63	25.58	27.04	28.71	29.65	30.65	31.23	31.17	30.40		

Bu-1-- Continued.

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	30.97	28.20	26.74	27.87	30.08	31.05	32.27	31.55	32.91	.....	33.35	34.10
10	30.10	28.69	27.20	28.20	30.22	31.20	32.03	31.83	32.62	.....	33.80	34.04
15	30.02	29.20	27.01	28.42	30.45	31.70	31.68	32.25	33.25	.....	33.49	34.84
20	29.58	29.33	27.41	29.00	30.71	31.72	31.40	32.49	33.33	33.56	33.15	35.12
25	29.00	29.47	27.13	29.34	31.25	31.69	31.45	33.12	33.45	33.39	33.14	34.58
Eom	27.96	28.85	27.64	29.74	31.16	32.32	31.50	33.48	.....	33.49	33.77	34.17

Bu-3. American Rolling Mill Co. Crawford St. and South Ave., Middletown. Lat 39°30', long 84°23'. Drilled unused artesian well in gravel, diam 24 in, depth 250 ft, cased to 250. Lsd 668 ft above msl. MP floor of instrument shelter, 1.08 ft above lsd. Highest water level 76.77 below lsd, May 12, 1959; lowest 147.27 below lsd, Apr. 4, 1955. Records available: 1955-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	92.42	94.82	93.12	93.07	86.27	88.17	90.67	84.52	79.77	77.97	78.32	81.62
10	91.27	95.12	93.27	93.37	86.12	87.62	90.77	83.87	78.82	77.77	77.77	81.87
15	90.37	94.07	92.97	93.02	86.67	88.22	90.27	83.77	78.42	78.22	79.57	81.82
20	90.37	.....	93.32	92.12	86.32	90.47	88.12	82.12	78.12	78.72	80.32	82.17
25	93.17	94.17	92.77	89.72	86.52	90.82	.....	.....	77.87	79.87	80.17	82.17
Eom	94.32	93.67	93.12	88.87	88.37	90.67	85.77	81.17	79.17	77.77	81.37	82.37

1959

5	81.57	83.87	80.67	79.17	82.22	82.67	83.07	83.72	85.12	85.57	87.77	82.62
10	84.82	84.97	80.37	79.12	77.92	83.72	83.72	82.12	86.22	87.02	87.52	83.27
15	85.32	81.02	80.57	78.77	79.42	84.97	84.07	81.87	86.07	87.32	.....	83.52
20	86.32	80.07	78.97	77.77	80.77	84.67	84.27	83.47	86.17	86.82	86.57	83.52
25	87.07	79.47	79.37	78.67	81.57	83.07	84.42	85.22	86.37	86.92	83.97	82.72
Eom	84.17	79.32	78.37	77.82	82.17	83.12	84.02	85.47	86.52	.....	83.07	83.52

1960

5	83.77	84.23	84.29	83.98	86.62	89.80	91.07	93.37	91.12	98.57	102.65	98.48
10	83.77	84.27	84.15	84.51	85.96	92.20	.....	92.43	94.22	.....	101.19	99.57
15	83.87	84.26	83.92	83.94	85.72	93.09	89.79	94.64	95.02	101.25	101.21	100.21
20	83.97	84.70	83.90	83.95	87.64	93.94	91.89	95.06	91.62	102.07	98.34	101.54
25	83.37	84.14	86.07	83.90	87.02	95.48	.....	95.05	95.77	101.49	100.48	103.20
Eom	84.09	84.40	85.80	85.10	88.29	94.58	89.78	94.64	99.00	.....	99.66	102.66

1961

5	102.28	101.03	104.05	105.59	106.45	105.10	105.12	105.65	106.93	106.91	108.72	110.55
10	102.54	103.14	103.60	105.10	105.47	105.81	105.53	105.70	106.65	108.47	109.51	108.68
15	101.45	105.97	102.35	105.70	.....	105.91	105.46	106.14	106.97	109.72	109.69	109.54
20	105.01	104.55	103.64	106.19	105.52	105.03	105.53	106.35	106.08	110.45	109.79	110.16
25	.....	105.09	105.42	106.27	108.22	104.44	105.67	106.54	106.15	107.92	110.13	110.65
Eom	101.27	103.95	106.62	105.97	105.74	104.65	105.23	106.64	105.99	108.95	110.38	111.04

1962

5	111.38	112.03	112.37	113.41	113.40	118.14	117.47	118.54	120.86	115.01	113.26	111.89
10	.....	111.77	112.74	113.26	.....	118.92	117.78	119.35	120.49	114.82	113.25	111.99
15	111.97	112.21	112.76	112.72	114.21	.....	118.77	119.79	119.21	117.19	112.87	111.89
20	112.65	112.29	112.93	112.56	115.95	118.82	119.11	119.80	117.07	117.55	112.68	112.04
25	112.77	112.03	113.12	112.31	117.64	116.69	119.04	120.75	115.76	114.56	112.63	111.92
Eom	112.88	112.25	.....	112.16	118.50	117.79	118.39	120.94	115.57	113.83	112.22	111.71

Bu-4. Armco Steel Corp. New Miami. Lat 39°26'06", long 84°31'48". Drilled unused artesian well in gravel, diam 26 in, depth 177 ft, cased to 177. Lsd 660 ft above msl. MP floor of instrument shelter, 3.00 ft above lsd. Highest water level 18.15 below lsd, Jan. 24, 1959; lowest 47.95 below lsd, Dec. 28, 1954. Records available: 1949-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.65	32.10	31.60	34.10	31.00	33.05	30.30	24.45	30.45	31.35	32.35	32.80
10	31.90	32.10	31.85	34.65	29.20	33.25	30.10	26.35	31.25	31.85	32.45	33.15
15	32.50	32.05	32.20	34.55	30.40	27.60	28.75	28.15	31.30	31.80	32.60	33.65
20	32.70	31.95	32.90	35.00	31.60	26.20	29.00	29.25	30.40	31.95	32.65	33.70
25	32.20	31.35	33.10	34.55	32.40	27.85	24.75	29.55	30.35	32.25	32.55	33.65
Eom	31.40	32.20	33.40	32.30	32.10	28.50	26.30	30.05	31.15	32.30	32.85	33.55

Bu-4--Continued.

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	33.55	26.20	29.15	30.40	30.20	30.45	31.50	32.15	33.05	34.10	31.80	32.90
10	33.80	26.60	28.90	30.80	31.30	31.95	31.95	32.55	33.50	33.50	31.50	33.20
15	34.10	25.70	28.90	30.30	30.30	31.20	32.20	32.60	33.40	32.85	31.80	32.60
20	33.20	27.70	29.25	30.30	29.55	31.50	31.65	32.55	33.60	33.30	32.25	32.65
25	19.65	27.85	29.70	30.25	29.55	31.60	31.40	32.55	34.35	32.15	32.70	32.95
Eom	24.70	28.60	30.35	29.85	29.85	31.65	31.75	32.50	34.00	31.95	32.70	33.25

1960												
5	33.35	33.00	35.10	31.90	33.25	32.05	31.50	33.75	34.25	35.55	33.90	33.60
10	33.50	32.50	35.10	31.80	33.15	32.90	32.50	33.50	35.00	35.10	33.60	34.65
15	33.25	32.00	34.80	32.20	33.05	32.70	32.55	33.60	35.35	34.70	33.15	34.10
20	32.75	32.45	34.75	32.90	33.40	34.10	33.10	33.65	34.65	34.70	33.80	34.10
25	33.10	32.60	32.65	33.15	33.00	33.60	33.70	33.60	34.20	34.60	34.25	33.75
Eom	32.90	34.25	32.20	33.10	32.25	33.15	33.60	34.30	34.55	34.50	33.60	33.65

1961												
5	33.85	33.30	30.75	29.20	28.10	29.45	31.60	31.50	32.40	32.35	32.50	31.65
10	33.55	33.30	29.05	30.25	25.85	29.65	31.40	.....	32.45	33.45	32.30	30.85
15	.....	33.20	28.80	28.70	26.25	27.80	31.55	.....	32.45	32.15	32.45	31.35
20	33.65	32.75	28.85	29.25	27.05	28.05	32.00	.....	32.50	32.50	31.60	31.45
25	33.10	32.40	27.90	28.05	27.80	28.95	32.05	33.05	32.30	32.55	31.50	31.50
Eom	33.10	31.40	29.30	26.50	28.15	30.90	31.85	32.95	32.25	32.55	31.50	32.05

1962												
5	.....	.....	.....	29.80	31.70	32.35	31.95	31.40	32.00	31.20	31.25	32.40
10	.....	.....	.....	29.35	31.65	32.50	31.93	31.55	31.80	31.25	31.30	31.45
15	.....	.....	28.10	30.10	32.10	33.15	31.45	31.25	31.45	31.65	31.90	32.25
20	.....	.....	28.90	30.05	32.25	.....	31.30	32.30	32.30	31.20	31.40	31.60
25	.....	.....	28.05	30.85	32.80	.....	32.10	31.90	31.30	31.70	31.20	32.05
Eom	.....	.....	28.75	31.90	32.40	32.15	31.25	31.80	31.35	31.30	31.40	31.40

Bu-5. City of Hamilton. Lat 39°25', long 84°32'. Drilled unused artesian well in gravel, diam 18 in, depth 110 ft, cased to 110. Lsd 592 ft above msl. MP floor of instrument platform, 5.71 ft above lsd. Highest water level 4.10 below lsd, Jan. 23, 1959; lowest 42.05 below lsd, Sept. 16-17, 1954. Records available: 1954-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.65	24.45	18.85	20.00	18.35	24.00	21.25	15.10	18.40	17.00	.....	18.80
10	18.75	19.40	19.05	24.25	16.55	19.40	15.85	12.55	16.15	20.20	.....	19.35
15	19.00	19.20	19.40	19.95	17.30	18.15	15.40	13.65	16.30	17.50	18.55	23.70
20	19.05	21.65	19.45	20.30	17.80	13.35	19.05	14.30	16.10	17.75	21.50	19.70
25	18.65	19.20	19.50	20.25	18.50	19.45	11.65	18.10	16.25	.....	18.60	19.70
Eom	18.35	19.15	19.60	23.75	18.55	15.00	17.20	15.00	16.75	18.15	18.85	19.70

1959												
5	19.75	12.50	14.45	15.80	16.35	22.20	18.45	18.95	20.00	25.25	19.35	19.80
10	19.95	13.05	14.45	16.15	21.80	22.55	23.05	23.05	24.50	20.00	19.20	24.40
15	20.25	11.45	14.30	16.20	21.10	17.80	23.30	23.20	23.40	19.75	19.35	19.80
20	19.65	13.15	14.70	19.70	16.65	18.15	19.10	23.00	19.95	19.90	19.80	19.70
25	10.65	13.45	15.20	16.90	16.75	18.20	18.90	23.30	25.30	19.55	24.40	19.70
Eom	11.05	14.00	15.75	16.20	21.65	22.95	23.10	24.00	25.20	19.50	19.75	19.80

1960												
5	19.80	19.55	25.00	18.85	20.55	19.80	18.55	24.60	20.95	27.60	20.70	23.20
10	20.00	23.45	19.80	18.95	20.10	24.10	18.95	24.45	25.75	22.20	24.85	27.95
15	19.55	22.20	19.60	19.15	20.10	25.00	23.30	24.30	25.65	21.45	20.80	25.10
20	19.10	19.35	19.50	25.30	25.95	25.40	23.05	24.10	24.00	21.20	27.00	25.75
25	19.45	19.30	19.35	24.70	20.45	19.80	23.95	23.90	25.20	21.35	26.05	21.35
Eom	19.50	24.40	18.90	20.10	19.65	24.00	21.90	25.60	26.10	21.00	21.20	21.35

1961												
5	.....	21.45	.....	21.00	19.85	20.10	24.15	18.15	21.95	19.65	18.90	18.20
10	21.40	.....	21.40	21.40	16.70	15.60	23.50	22.30	18.55	19.50	19.10	17.85
15	21.35	.....	21.40	16.20	16.85	18.20	19.80	22.50	19.05	18.85	18.85	17.90
20	21.55	.....	21.75	20.35	14.20	19.00	24.50	18.25	18.25	18.80	18.50	17.80
25	26.15	.....	16.40	19.30	18.70	15.60	22.45	22.50	18.65	18.60	18.40	17.75
Eom	21.45	.....	21.30	15.30	19.05	23.75	22.05	22.80	25.00	18.80	22.25	17.75

1962												
5	23.45	24.80	.....	18.10	17.70	22.35	.....	.....	19.35	19.10	19.15	24.10
10	18.35	20.40	15.95	15.85	20.75	18.75	.....	.....	19.20	19.15	19.25	19.50
15	22.50	19.20	15.10	16.10	22.85	23.60	.....	.....	19.60	23.00	19.25	19.65
20	18.75	18.75	19.50	17.35	22.85	23.95	23.40	.....	19.75	19.15	24.20	19.50
25	24.20	18.65	15.05	20.60	22.80	23.40	23.70	24.40	19.20	19.20	19.30	19.60
Eom	23.70	19.45	16.70	21.55	22.05	.....	.....	23.85	19.30	19.10	19.45	23.65

Bu-8. City of Hamilton. Lat 39°22', long 84°31'. Drilled unused artesian well in gravel, diam 6 in, depth 200 ft, cased to 200. Lsd 638 ft above msl. MP floor of instrument shelter, 4.13 ft above lsd (previously reported top of casing, 4.00 ft above lsd). Highest water level 38.20 below lsd, June 8, 1947; lowest 71.70 below lsd, Oct. 24, 1944. Records available: 1944-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	57.89	56.81	57.16	56.91	56.20	54.98	53.42	.....	42.63	44.62	47.21	50.69
10	57.51	56.81	57.06	56.95	55.60	54.85	53.43	41.99	42.81	45.35	48.88	50.88
15	57.49	56.66	57.05	56.72	55.29	54.90	53.14	42.30	43.23	45.81	47.15	51.07
20	57.58	57.03	57.12	56.55	55.25	54.59	52.83	42.40	43.51	46.37	47.54	51.35
25	57.13	56.86	57.13	56.90	55.07	54.43	46.05	42.40	43.78	47.05	47.96	51.67
Eom	56.86	56.98	57.12	56.66	54.90	53.72	.....	42.33	44.20	47.75	50.64	51.86

1959

5	52.32	42.49	42.15	42.64	44.98	48.00	50.13	52.58	54.66	56.22	57.98	59.05
10	52.24	42.23	42.09	42.99	45.36	48.44	50.55	53.03	55.03	56.59	58.02	59.48
15	52.10	41.67	41.95	43.25	46.18	48.77	51.02	53.32	55.11	56.85	58.49	59.59
20	52.40	41.78	41.83	43.60	46.60	48.98	51.50	53.65	55.48	57.09	58.45	59.82
25	44.29	41.72	42.15	43.95	47.12	49.40	51.86	54.00	55.70	57.35	58.82	59.89
Eom	42.92	41.70	42.32	44.35	47.50	49.75	52.27	54.27	56.00	57.60	59.00	60.25

1960

5	60.27	60.49	60.23	60.08	60.28	60.72	60.32	60.17	60.85	61.68	62.62	63.36
10	60.23	60.18	60.12	60.34	60.32	60.80	60.13	60.25	61.05	61.93	62.87	63.48
15	60.45	60.37	60.12	60.00	60.49	60.82	59.84	60.34	61.28	62.03	62.76	63.56
20	60.62	60.38	60.16	60.10	60.56	60.92	59.77	60.43	61.35	62.22	63.05	63.85
25	60.40	59.90	60.27	60.00	60.63	60.90	59.83	60.66	61.48	62.37	63.07	64.01
Eom	60.50	60.27	60.12	60.25	60.68	60.44	60.05	60.76	61.69	62.25	63.45	64.01

1961

5	64.21	.....	64.42	61.00	58.55	52.71	52.49	51.23	52.70	.....	.....	57.60
10	64.45	64.95	63.78	60.90	56.80	52.81	52.65	51.49	52.98	.....	.....	57.85
15	.....	65.25	62.79	60.10	53.45	52.74	52.56	51.77	53.43	.....	56.63	58.06
20	.....	65.38	62.47	60.23	52.85	52.10	50.95	51.85	53.44	56.14	57.03	58.05
25	.....	65.10	61.80	59.48	52.52	52.35	51.01	52.10	53.85	.....	.....	58.04
Eom	.....	65.15	61.10	58.93	52.90	52.43	51.18	52.43	54.04	.....	.....	58.06

1962

5	58.03	56.61	52.99	49.82	50.83	51.65	53.06	54.37	56.05	57.29	58.83	59.53
10	58.45	56.73	52.43	49.97	51.00	51.95	53.42	54.73	56.21	57.65	58.95	59.93
15	58.18	56.50	51.75	50.18	51.29	52.12	53.55	54.93	56.47	57.80	59.00	59.98
20	58.00	56.60	51.17	50.38	51.23	52.27	.....	55.08	56.70	57.87	59.20	60.40
25	57.30	56.51	50.27	50.39	51.63	52.61	53.91	55.37	56.83	58.31	59.59	60.50
Eom	56.90	55.09	49.80	50.55	51.61	52.80	54.20	55.65	57.17	58.40	59.56	60.74

Bu-9. Fox Paper Co. Crescentville. Lat 39°18'05", long 84°26'18". Drilled unused artesian well in gravel, diam 26 in, depth 90 ft, cased to 90. Lsd 588 ft above msl. MP floor of instrument shelter, 1.71 ft above lsd (previously reported top of metal plate covering well, 1.50 ft above lsd). Highest water level 3.77 below lsd, Jan. 27, 1949; lowest 24.40 below lsd, Mar. 16, 1954. Records available: 1938-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.45	7.05	8.42	8.15	6.86	9.05	8.06	4.95	9.08	11.56	13.60	9.65
10	7.73	7.75	8.52	7.64	6.52	10.43	8.75	6.28	10.44	12.13	14.15	8.63
15	7.28	8.20	8.70	.....	7.30	7.20	6.73	6.25	10.91	12.27	14.05	9.10
20	7.94	9.00	8.50	.....	7.68	7.20	7.22	7.05	11.35	12.56	13.90	9.58
25	6.70	9.29	7.95	8.05	7.25	7.79	4.45	7.24	11.00	13.00	13.18	10.09
Eom	6.45	7.90	7.80	7.35	7.87	7.38	5.78	7.78	11.23	13.53	13.11	10.39

1959

5	8.83	5.75	6.69	6.90	8.22	10.25	.....	14.62	16.49	17.83	19.25	19.37
10	9.10	5.75	6.35	7.20	8.94	11.15	.....	15.13	16.78	.....	19.17	19.83
15	8.67	4.97	6.16	7.41	8.55	9.22	13.00	15.45	16.62	18.40	19.56	18.95
20	8.30	5.73	6.23	7.67	9.04	.....	13.64	15.72	17.18	18.53	19.28	18.85
25	4.93	5.98	6.85	7.85	9.63	.....	14.01	15.88	17.29	18.55	19.50	18.71
Eom	5.38	6.09	6.92	7.80	9.38	.....	14.25	16.01	17.54	19.01	19.75	18.25

1960

5	17.33	13.32	12.81	11.93	13.81	14.53	12.01	15.01	16.87	18.55	20.00	.....
10	17.13	11.02	12.97	12.68	14.03	15.04	12.58	14.49	17.34	18.92	20.28	.....
15	16.05	10.15	13.23	12.50	14.46	15.30	12.86	15.40	17.77	19.09	20.04	20.56
20	11.84	11.30	12.75	12.78	14.77	15.58	13.78	15.75	17.91	19.38	20.38	21.08
25	12.67	11.62	12.82	12.93	15.02	12.57	14.18	16.35	18.15	19.60	.....	21.21
Eom	13.15	12.53	12.58	13.56	13.98	11.98	14.63	16.58	18.38	19.48	.....	20.99

Bu-9--Continued.

1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	21.19	20.48	14.40	11.22	.....	11.84	.....	11.58	15.01	16.78	18.62	17.75
10	21.15	20.17	9.92	11.35	.....	.....	.....	12.10	15.03	17.05	18.49	17.73
15	20.50	20.00	8.68	.....	.....	10.78	11.97	12.61	15.66	17.37	18.81	17.97
20	20.26	19.35	9.30	11.20	9.05	.....	11.37	13.13	15.71	17.55	18.93	17.00
25	20.60	.....	9.19	11.15	10.30	.....	11.52	13.84	16.26	.....	18.22	16.76
Eom	20.11	16.89	10.00	10.15	11.41	.....	11.53	14.47	16.59	17.88	18.45	16.55

1962												
5	16.33	12.41	8.02	10.16	12.62	13.22	15.70	16.62	18.50	19.23	20.22	19.24
10	16.38	12.91	8.55	10.80	12.88	13.67	16.09	17.15	18.50	19.45	19.60	20.32
15	15.47	13.07	9.26	11.43	13.24	14.00	16.14	17.45	18.71	19.51	20.00	20.41
20	15.08	13.25	9.85	11.81	13.33	14.49	15.42	17.63	19.07	19.49	19.72	20.85
25	12.37	10.97	8.69	11.97	13.73	15.01	15.72	17.99	18.93	19.95	20.15	21.04
Eom	12.04	7.81	9.62	12.30	13.20	15.40	16.24	18.25	19.30	19.77	19.87	20.96

Champaign County

Ch-1. State of Ohio. Lat 40°06'36", long 83°48'00". Drilled observation water-table well in gravel, diam 6 in, depth 45 ft, cased to 45. Lsd 995 ft above msl. MP floor of instrument shelter, 4.50 ft above lsd. Highest water level 1.43 below lsd, Jan. 17, 1950; lowest 9.56 below lsd, Dec. 22, 1954. Records available: 1948-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1958	7.94	May 6, 1959	7.71	July 27, 1960	8.40	Sept. 29, 1961	8.59
Feb. 13	8.20	June 3	7.95	Aug. 24	8.67	Oct. 18	8.71
Mar. 13	8.26	July 1	8.28	Sept. 21	8.88	Nov. 15	8.87
Apr. 8	8.13	29	8.45	28	8.95	Dec. 13	8.26
May 5	6.20	Aug. 26	8.74	Oct. 19	9.04	Jan. 10, 1962	7.65
June 3	7.89	Sept. 23	8.86	Nov. 16	9.18	Feb. 7	7.73
July 2	6.65	Oct. 2	8.90	Dec. 14	9.13	Mar. 7	7.52
31	7.08	21	8.95	Jan. 11, 1961	9.34	Apr. 4	7.77
Aug. 28	7.68	Nov. 19	8.94	Feb. 8	9.38	May 2	8.30
Sept. 22	7.90	Dec. 16	8.47	Mar. 8	7.27	28	8.34
30	7.84	Jan. 13, 1960	8.45	Apr. 5	8.02	June 27	8.65
Oct. 22	8.22	Feb. 10	7.95	May 3	6.76	July 25	8.85
Nov. 19	7.50	Mar. 9	8.58	June 2	7.93	Aug. 22	9.08
Dec. 17	8.52	Apr. 6	8.33	28	8.13	Oct. 17	9.15
Jan. 15, 1959	8.43	May 4	8.63	July 26	8.42	Nov. 14	8.80
Feb. 12	5.09	June 2	7.75	Aug. 23	8.40	Dec. 12	9.10
Mar. 10	6.94	29	7.80	Sept. 20	8.63	18	9.14
Apr. 8	7.48						

Clark County

Cl-2. City of Springfield. Lat 39°55'50", long 83°51'12". Drilled unused artesian well in gravel, diam 6 in, depth 74 ft, cased to 74. Lsd 900 ft above msl. MP floor of instrument shelter, 2.00 ft above lsd. Highest water level 0.20 below lsd, Jan. 15, 1950 (water level higher but could not be recorded during January 1959 flood); lowest 7.67 below lsd, Sept. 21, 1951. Records available: 1949-62.

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.90	6.33	6.24	6.58	3.57	6.35	5.66	4.85	6.31	6.40	6.56	6.14
10	6.22	6.49	6.43	6.28	5.15	3.25	5.28	5.58	6.22	6.28	6.48	....
15	6.11	....	6.55	5.95	5.74	....	4.89	5.80	6.38	6.49	6.55	....
20	6.44	....	6.53	6.31	5.93	....	5.55	6.05	6.25	6.50	6.25	6.65
25	5.53	6.00	6.40	6.25	5.97	....	4.78	5.73	6.27	6.52	6.46	6.66
Eom	5.95	5.85	6.43	5.40	6.25	....	5.05	6.15	6.23	6.58	6.48	6.70

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.27	....	5.65	5.65	5.95	6.26	6.55	....	6.79	6.90	6.69	6.67
10	6.61	....	5.28	5.87	6.12	6.39	6.64	....	6.92	6.86	6.75	....
15	6.25	....	4.50	6.05	5.36	6.40	6.71	....	6.95	6.89	6.60	....
20	....	5.13	5.45	6.11	5.88	6.45	6.63	....	6.95	6.94	6.75	6.38
25	....	5.30	5.75	6.23	5.88	6.51	6.62	....	7.04	6.88	6.81	6.57
Eom	....	5.47	5.86	5.55	6.04	6.60	....	6.80	6.96	6.90	6.65	6.39

Cl-2--Continued.

1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.37	6.38	....	5.65	6.68	6.16	6.53	7.04	7.16	7.18	7.14	7.20
10	6.58	5.13	....	6.13	6.64	6.45	6.64	7.05	7.20	7.15	7.05	7.20
15	5.93	....	6.57	6.36	6.64	6.25	6.50	7.08	7.24	7.23	7.12	7.19
20	5.84	....	6.48	6.45	6.50	6.18	6.70	7.03	7.19	7.15	7.11	7.25
25	6.30	....	6.43	6.52	6.48	6.27	6.83	7.03	7.22	7.21	7.14	7.07
Eom	6.18	....	5.77	6.55	4.96	6.52	6.95	7.12	7.20	7.17	7.17	7.23

1961

5	7.25	....	....	6.15	5.53	....	6.56	6.46	6.61	6.85	6.79	5.84
10	7.17	....	4.74	6.01	....	5.16	6.61	6.66	6.65	6.89	6.88	6.25
15	7.10	....	5.06	5.19	....	5.87	6.60	5.97	6.77	6.89	6.82	6.47
20	6.96	....	5.65	5.05	....	6.24	6.54	6.42	6.77	6.90	6.67	5.90
25	....	....	5.19	4.55	....	6.37	6.62	6.53	6.85	6.89	5.92	6.27
Eom	....	....	5.88	4.80	....	6.51	6.66	6.70	6.87	6.83	6.49	6.41

1962

5	6.54	5.56	5.51	5.94	6.39	6.41	6.85	6.92	6.56	....	6.85	6.69
10	5.75	....	5.05	6.08	6.38	6.55	6.91	6.88	6.83	....	6.37	....
15	6.15	6.18	4.95	6.16	6.50	6.63	6.89	6.99	6.55	....	6.36	....
20	5.94	6.15	5.47	6.27	6.52	6.75	6.89	7.02	....	6.81	6.17	6.69
25	5.62	5.80	5.45	6.33	6.60	6.77	6.65	7.08	....	6.85	6.48	6.66
Eom	5.46	3.76	5.80	6.39	6.24	6.85	6.82	7.04	....	6.89	6.63	6.57

Coshocton County

Cs-2. Coshocton Waterworks. Coshocton. Lat 40°17'56", long 81°52'36". Drilled unused water-table well in gravel, diam 6 in, depth 40 ft, cased to 40. Lsd 750 ft above msl. MP floor of instrument shelter, 8.50 ft above lsd. Highest water level 0.43 below lsd, Feb. 21, 1951; lowest 15.75 below lsd, Aug. 31, 1962. Records available: 1949-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.06	12.65	11.63	12.39	7.33	13.18	13.41	9.27	12.90	13.49	14.14	13.63
10	12.83	13.07	12.07	12.28	7.46	13.05	11.17	9.25	12.90	13.80	13.91	....
15	13.15	....	12.43	10.72	8.40	12.10	9.30	11.31	13.33	13.90	14.27	11.27
20	13.12	....	13.02	11.63	11.60	12.75	10.80	11.87	13.47	13.85	13.62	11.85
25	12.20	13.23	13.03	12.08	12.10	12.92	11.42	12.25	13.28	14.06	13.41	12.08
Eom	11.68	12.50	11.63	10.10	12.58	12.85	12.05	12.47	13.17	14.13	13.02	12.48

1959

5	11.25	4.55	7.74	9.75	7.90	10.70	12.02	12.90	13.82	13.59	13.12	11.79
10	12.12	....	8.34	11.04	9.93	12.45	13.13	13.55	14.00	12.43	12.63	11.48
15	12.98	3.63	9.08	11.78	10.44	11.90	13.34	14.26	14.13	13.24	12.75	7.42
20	12.03	....	8.46	11.93	11.20	12.93	13.00	14.36	14.17	13.66	12.55	9.83
25	....	4.55	10.49	12.06	11.02	12.38	12.62	14.54	14.44	13.45	12.78	11.55
Eom	4.00	6.00	11.06	8.00	9.46	11.85	13.10	14.33	14.36	13.24	11.38	11.32

1960

5	10.71	12.06	12.16	8.68	12.86	12.65	12.95	14.07	13.73	14.55	14.59	14.50
10	11.72	10.55	12.62	7.37	12.59	13.29	13.55	14.05	14.40	14.26	14.53	14.87
15	8.19	7.40	12.66	10.62	11.82	11.25	13.85	14.15	14.46	14.45	14.47	14.91
20	8.35	10.42	12.75	11.93	12.63	12.20	13.90	14.30	14.46	14.63	14.25	....
25	10.80	11.47	12.85	12.28	12.54	12.95	13.91	13.58	14.50	14.54	14.20	....
Eom	10.95	11.63	8.89	12.70	12.28	13.33	13.95	14.12	14.60	14.45	14.62	14.67

1961

5	14.41	13.50	7.00	10.60	9.09	12.04	13.83	12.45	13.75	14.60	....	....
10	14.25	14.11	5.96	11.53	7.79	....	14.03	13.42	13.52	14.55	....	....
15	14.30	14.20	5.75	9.55	8.35	....	14.17	13.88	14.13	14.66	14.80	....
20	14.12	11.70	8.33	7.55	9.70	....	13.78	13.95	14.44	14.83	....	....
25	14.05	13.05	8.64	8.67	12.20	....	13.24	13.94	....	14.72	13.33	13.49
Eom	13.49	9.89	10.61	9.25	13.07	....	12.83	14.03	14.35	....	13.57	....

1962

5	....	....	7.84	11.38	....	14.19	14.31	....	....	14.50	14.52	14.70
10	....	....	10.97	11.45	13.78	13.70	14.44	....	....	14.65	15.00	14.29
15	....	....	7.08	11.83	14.44	14.13	15.15	15.68	....	14.73	13.41	14.45
20	....	12.99	9.65	12.62	13.80	14.35	14.99	....	....	14.72	13.45	14.66
25	....	11.49	8.19	12.70	14.10	14.86	14.73	....	....	14.70	13.78	13.70
Eom	....	9.18	11.12	13.41	14.10	15.27	15.01	15.75	14.71	14.66	14.51	14.09

Fairfield County

F-1. C. E. Howdyshell. West Rushville. Lat 39°46'06", long 82°26'42". Drilled unused artesian well in sandstone, diam 4 in, depth 110 ft. Lsd 980 ft above msl. MP floor of instrument shelter, 4.00 ft above lsd. Highest water level 7.44 below lsd, Apr. 4, 1951; lowest 18.80 below lsd, Mar. 6, 1954. Records available: 1946-60.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	14.64	13.55	13.70	12.94	11.73	11.90	.....	9.69	11.27	12.19	13.91	15.11
10	14.22	13.41	13.69	12.69	10.98	12.20	.....	9.53	11.58	12.28	14.20	15.12
15	14.05	13.37	13.59	12.27	10.47	12.31	12.11	9.76	11.93	12.56	14.47	15.12
20	13.99	13.43	13.54	11.80	10.58	11.93	11.24	10.15	12.15	12.88	14.67	15.02
25	13.91	13.55	13.47	11.68	10.95	11.73	10.31	10.55	12.26	13.21	14.87	14.98
Eom	13.74	13.57	13.18	11.76	11.46	.....	9.74	10.96	12.19	13.65	15.01	14.95

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	14.80	11.99	10.85	11.15	12.67	13.87	15.34	16.42	17.25	17.65	17.71	17.46
10	14.52	11.88	10.86	11.41	12.82	14.21	15.57	16.58	17.29	17.62	17.71	17.22
15	14.24	11.51	10.90	11.63	12.92	14.42	15.81	16.77	17.37	17.62	17.69	16.93
20	14.01	10.90	10.87	11.87	13.12	14.63	15.97	16.90	17.44	17.64	17.66	16.53
25	13.34	10.75	10.71	12.18	13.35	14.86	16.13	17.05	17.51	17.62	17.58	16.07
Eom	12.32	10.78	10.91	12.40	13.63	15.11	16.30	17.13	17.59	17.71	17.55	15.53

1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.24	12.79	11.84	12.06	12.67	13.92	14.75	15.49	16.03	16.70	17.08	17.27
10	14.82	12.55	11.88	11.76	12.90	14.10	14.94	15.59	16.15	16.77	17.13	17.33
15	14.44	12.23	12.04	11.69	13.21	14.16	15.05	15.67	16.21	16.83	17.15	17.37
20	14.03	11.87	12.19	11.80	13.48	14.30	15.14	15.73	16.32	16.90	17.15	17.40
25	13.45	11.86	12.34	12.03	13.67	14.44	15.24	15.78	16.46	16.96	17.17	17.43
Eom	13.01	11.89	12.36	12.32	13.83	14.62	15.36	15.90	16.58	17.04	17.20	17.52

F-1a. State of Ohio. West Rushville. Lat 39°46', long 82°27'. Drilled test artesian well in sandstone, diam 6 in, depth 74 ft. Lsd 980 ft above msl. MP floor of shelter, 8.02 ft above lsd. Highest water level 7.27 below lsd, May 5, 6, 1962; lowest 18.80 below lsd, Mar. 6, 1954. Records available: 1946-62. Formerly observations were taken in well 200 ft north. Both wells referenced to same datum.

Lowest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.51	16.55	14.83	11.26	9.75	11.15	13.35	14.84	14.87	15.77	16.56	17.16
10	17.60	16.27	12.48	11.08	9.96	11.92	13.90	15.12	15.13	16.02	16.81	17.15
15	17.51	16.24	11.68	10.99	9.88	12.32	14.18	15.11	15.27	16.17	16.94	17.12
20	17.21	16.08	11.57	10.66	10.00	12.66	14.40	14.94	15.43	16.27	17.00	17.04
25	16.95	15.52	11.58	10.34	10.49	12.93	14.59	14.80	15.58	16.38	17.07	16.89
Eom	16.59	15.02	11.30	9.80	11.06	13.27	14.81	14.84	15.74	16.55	17.14	16.63

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.39	13.66	11.70	10.72	7.27	12.79	15.18	16.00	16.96	17.42	17.79	17.54
10	16.04	13.42	11.28	10.61	7.40	13.62	15.34	16.15	17.04	17.46	17.86	17.38
15	15.59	13.21	11.01	10.66	7.73	14.07	15.46	16.32	17.13	17.44	17.85	17.38
20	15.16	13.26	10.69	10.88	8.11	14.46	15.56	16.49	17.22	17.59	17.78	17.38
25	14.77	13.23	10.59	11.25	8.49	14.75	15.67	16.66	17.31	17.66	17.71	17.33
Eom	14.17	12.85	10.66	7.75	11.24	15.01	15.86	16.87	17.37	17.75	17.63	17.23

Fayette County

Fa-1. Martha Slagle. Near Jasper Mills. Lat 39°32'09", long 83°31'50". Drilled unused artesian well in limestone, diam 5 in, depth 78 ft. Lsd 1,010 ft above msl. MP floor of instrument shelter, 3.30 ft above lsd. Highest water level 5.23 below lsd, Jan. 28, 1949; lowest 12.85 below lsd, Jan. 17, 19, 1954. Records available: 1946-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.25	6.45	7.00	6.80	6.50	7.30	7.25	5.80	6.75	7.10	7.30	7.45
10	6.25	6.60	7.00	6.70	6.35	6.90	6.65	5.85	7.45	7.10	7.40	7.45
15	6.45	6.75	6.95	6.55	6.50	6.90	6.35	6.15	6.90	7.20	7.40	7.40
20	6.50	7.05	7.00	6.70	6.80	6.75	6.25	6.20	6.90	7.25	7.45	7.45
25	6.40	7.10	6.85	6.75	6.95	6.70	5.85	6.30	6.90	7.30	7.50	7.55
Eom	6.35	6.95	6.85	6.80	7.35	6.80	5.90	6.55	6.95	7.35	7.55	7.40

Fa-1--Continued.

1959											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	7.35	6.55	6.30	6.45	6.80	6.90	7.60	7.85	8.10	9.05	9.10 8.80
10	7.20	6.45	6.30	6.55	7.30	7.10	7.70	7.85	8.30	8.75	9.15 8.95
15	7.00	6.30	6.25	6.60	7.65	7.20	7.95	8.10	8.40	8.85	9.20 8.50
20	7.00	6.25	6.20	6.75	7.15	7.25	7.90	8.20	8.50	8.85	9.10 8.20
25	6.70	6.30	6.40	6.90	6.80	7.25	7.95	8.20	8.75	8.85	9.10
Eom	6.65	6.25	6.45	6.85	6.90	7.65	7.85	8.15	8.80	9.10	9.10
1960											
5	7.55	6.60	6.45	6.30	7.00	7.05	7.65	8.05	8.25	8.60	9.20 9.65
10	7.50	6.35	6.50	6.45	6.95	7.30	7.85	8.05	8.20	8.70	9.15 9.65
15	7.30	6.30	6.65	6.60	7.05	7.05	7.60	8.10	8.25	8.95	9.25 9.55
20	7.00	6.30	6.70	6.75	7.15	7.25	7.65	8.20	8.25	8.95	9.35 9.75
25	6.90	6.35	6.70	6.85	7.15	7.45	7.85	8.70	8.35	9.05	9.50 9.70
Eom	6.70	6.45	6.45	6.85	6.95	7.50	7.75	8.69	8.45	9.05	9.55 9.80
1961											
5	9.85	9.30	8.00	6.75	6.50	7.15	7.55	7.00	7.45	7.95	8.25 7.85
10	9.90	9.15	7.60	6.70	6.30	6.85	7.40	7.15	7.65	7.90	8.25 7.75
15	9.85	9.15	7.30	6.65	6.35	6.80	7.25	6.80	7.70	7.95	8.30 7.70
20	9.70	9.00	7.20	6.55	6.50	7.00	7.05	7.00	7.75	8.00	8.25 7.45
25	9.60	8.55	7.00	6.40	6.80	7.15	7.15	7.05	7.95	8.10	8.15 7.30
Eom	9.40	8.45	6.85	6.35	7.10	7.70	7.35	7.40	8.10	8.05	8.05 7.15
1962											
5	7.05	6.50	6.50	6.20	6.95	7.34	7.86	8.09	8.73	9.20	10.60 8.89
10	6.95	6.50	6.20	6.30	7.05	7.50	7.89	8.28	8.92	9.77	9.39 8.87
15	6.85	6.60	6.10	6.45	7.35	7.58	7.88	8.35	8.94	9.33	9.27 9.02
20	6.80	6.70	6.10	6.60	7.45	7.78	7.82	8.50	9.13	9.35	9.07 8.80
25	6.60	6.50	6.00	6.80	7.45	7.98	7.85	8.81	9.18	9.49	9.43 8.76
Eom	6.45	6.30	6.15	7.05	7.36	8.08	7.97	8.83	9.35	9.41	8.97 8.72

Franklin County

Fr-3. R. Hann. Lat 39°51'18", long 82°57'36". Drilled test water-table well in gravel, diam 12 in, depth 60 ft, cased to 60. Lsd 716.37 ft above msl. MP floor of instrument shelter, 3.43 ft above lsd. Highest water level 2.18 below lsd, Jan. 27, 1952 (water level higher but could not be recorded during January 1959 flood); lowest 13.08 below lsd, Sept. 29, Oct. 1, 1954. Records available: 1946-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	11.36	11.49	11.28	11.50	6.43	11.75	11.20	....	11.25	11.68	11.98 11.90
10	11.75	11.80	11.54	11.12	9.60	11.23	9.74	...	11.28	11.72	11.98 11.97
15	11.81	12.02	11.78	10.80	10.80	8.03	9.25	9.98	11.48	11.80	12.03 12.13
20	11.98	12.17	11.58	11.40	11.22	9.05	10.07	10.65	11.50	11.85	11.99 12.19
25	10.95	12.06	11.71	11.50	11.38	10.40	.....	10.63	11.43	11.88	12.05 12.20
Eom	11.03	11.71	11.02	8.73	11.63	10.60	.....	11.04	11.50	11.93	12.07 12.15
1959											
5	....	10.72	10.55	10.62	11.23	11.13	.....	12.46	12.53	12.75	12.38 12.05
10	....	11.02	10.41	11.15	11.51	11.52	.....	12.50	12.70	12.45	12.46 12.04
15	....	7.73	10.34	11.35	10.99	.....	.....	12.58	12.73	12.63	12.47 11.02
20	....	10.00	10.63	11.44	11.25	11.72	12.36	12.60	12.75	12.71	12.48 11.84
25	....	10.34	11.05	11.53	11.24	11.63	12.20	12.68	12.80	12.61	12.51 12.10
Eom	9.84	10.61	11.16	10.39	10.73	.....	12.40	12.50	12.81	12.66	12.00 11.66
1960											
5	11.65	11.73	11.70	9.64	12.18	11.81	12.29	12.56	12.75	12.75	12.70 12.73
10	12.08	9.87	11.82	11.17	12.10	12.20	12.49	12.55	12.82	12.49	12.55 12.75
15	10.46	10.37	11.88	11.72	12.08	11.99	12.11	12.69	12.81	12.68	12.60 12.77
20	10.45	11.25	11.77	11.90	12.13	12.33	12.40	12.71	12.78	12.67	12.69 12.80
25	11.43	11.48	11.81	12.08	11.93	12.22	12.58	12.54	12.84	12.75	12.68 12.82
Eom	11.39	11.46	10.62	12.17	10.80	12.39	12.58	12.76	12.84	12.75	12.69 12.81
1961											
5	12.83	12.75	10.05	11.10	10.80	11.54	12.27	11.84	12.36	12.50	12.61 12.37
10	12.70	12.74	8.40	11.40	8.63	10.73	12.28	12.20	11.96	12.60	12.65 12.15
15	12.69	12.17	9.53	9.85	10.70	10.97	12.33	12.06	12.16	12.62	12.43 12.30
20	12.30	11.25	10.44	9.45	11.20	11.70	12.15	12.31	12.43	12.64	12.41 11.90
25	12.58	11.60	8.95	8.81	11.49	11.99	12.25	12.27	12.50	12.64	11.65 12.07
Eom	12.71	9.80	10.95	9.34	11.75	12.20	12.06	12.43	12.25	12.53	12.20 12.15

Fr-3--Continued.

1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	12.27	11.35	9.94	10.65	11.92	12.28	12.18	12.72	12.42	12.38	12.77	12.57
10	11.21	11.51	10.25	10.87	11.95	12.30	12.45	12.65	12.66	12.54	12.71	12.55
15	11.80	11.82	8.54	11.23	12.14	12.36	12.53	12.63	12.45	12.60	12.11	12.61
20	11.81	11.57	10.03	11.53	12.25	12.52	12.42	12.71	12.66	12.70	11.88	12.57
25	11.29	9.25	9.69	11.72	12.14	12.33	12.50	12.75	12.75	12.72	12.28	12.32
Eom	10.75	5.99	10.75	11.87	12.05	12.57	12.63	12.80	12.60	12.74	12.49	12.09

Fr-10. State of Ohio. Ohio State University Farms. Lat 40°01'00", long 83°02'18".
 Drilled unused artesian well in gravel, diam 4 in, depth 75 ft, cased to 75. Lsd 775 ft above msl.
 MP floor of instrument shelter, 4.00 ft above lsd. Highest water level 37.75 below lsd, Apr. 14, 1951; lowest 48.20 below lsd, Oct. 7, 1954. Records available: 1944-62.

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	45.30	45.25	44.70	44.15	44.00	43.05	42.91	43.17	43.54	43.62	44.00
10	.....	45.30	45.10	....	43.90	43.70	43.10	42.85	43.25	43.67	43.88	44.20
15	45.55	45.30	45.00	44.55	43.95	43.25	43.05	42.95	43.30	43.70	43.80	44.12
20	45.65	45.40	....	44.50	43.85	43.05	43.05	42.88	43.35	43.64	43.94	44.05
25	45.25	45.20	44.90	44.70	43.75	43.05	42.95	42.88	43.46	43.69	44.07	44.16
Eom	45.30	45.05	44.85	44.60	43.75	43.10	43.05	42.96	43.47	43.80	44.35	44.10

1959												
5	44.15	43.12	42.22	41.65	41.78	42.04	43.25	44.27	45.38	45.70	45.58	45.53
10	44.00	42.80	41.98	41.60	41.68	42.29	43.46	44.47	45.59	45.66	45.70	45.70
15	43.67	42.73	41.76	41.54	41.64	42.35	43.62	44.54	45.46	45.71	45.86	45.58
20	43.85	42.65	41.63	41.51	41.78	42.55	43.78	44.78	45.51	45.82	45.65	45.65
25	43.43	42.40	41.53	41.60	41.97	42.73	44.00	44.99	45.65	45.57	45.55	45.57
Eom	43.50	42.15	41.38	41.47	41.84	43.15	44.18	45.23	45.61	45.79	45.61	45.53

1960												
5	45.46	44.98	44.68	44.00	44.15	44.20	44.61	45.13	45.62	45.98	46.09	46.15
10	45.35	44.50	44.55	44.25	43.85	44.35	44.60	45.13	45.88	45.99	46.19	46.06
15	45.25	45.00	44.50	44.02	44.00	44.34	44.68	45.24	45.87	46.17	46.03	45.88
20	45.24	44.95	44.28	44.08	44.22	44.51	44.87	45.21	45.93	46.10	46.10	46.16
25	45.17	44.64	44.42	44.05	44.15	44.53	44.83	45.38	46.12	46.06	46.10	46.13
Eom	45.13	44.82	44.15	44.00	44.10	44.54	44.95	45.45	46.10	45.85	46.21	46.00

Day	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
5	46.05	46.23	45.76	44.50	43.81	43.70	44.36	44.88	45.25	45.26	45.48	45.13
10	46.20	45.96	45.64	44.52	43.73	43.78	44.57	45.00	45.28	45.38	45.32	45.27
15	45.87	46.15	45.15	44.23	43.52	44.00	44.71	45.07	45.29	45.37	45.35	45.35
20	45.90	46.13	45.31	44.43	43.62	43.87	44.72	45.07	45.18	45.18	45.42	45.15
25	46.36	45.76	45.03	43.80	43.43	44.00	44.90	45.05	45.41	45.28	45.39	45.04
Eom	46.22	45.95	44.68	43.86	43.54	44.30	44.91	45.14	45.29	45.31	45.30	45.01

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
	1962											
5	44.95	44.43	43.64	43.12	43.20	43.75	44.65	45.27	46.03	45.87	46.03	45.55
10	45.14	44.52	43.72	43.00	43.18	43.95	44.86	45.46	46.02	45.97	45.93	45.72
15	44.88	44.40	43.53	42.97	43.62	44.00	44.95	45.50	46.15	46.07	45.93	45.78
20	44.84	44.45	43.25	43.00	43.58	44.20	45.07	45.54	46.08	46.00	45.84	45.92
25	44.53	44.40	43.30	42.87	43.69	44.35	45.07	45.82	45.92	46.07	46.07	45.89
Eom	44.55	44.22	43.13	43.02	43.77	44.65	45.25	45.96	45.95	45.90	45.92	45.88

Fulton County

Fn-1. City of Delta. Lat 41°35'05", long 84°00'12". Drilled unused artesian well in gravel, diam 8 in, depth 130 ft, cased to 130. Lsd 740 ft above msl. MP floor of instrument platform, 1.40 ft above lsd. Highest water level 61.18 below lsd, Apr. 23, 1962; lowest 66.10 below lsd, Jan. 8, 1947. Records available: 1946-62.

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	64.95	63.72	64.03	63.67	63.95	63.99	63.80	63.91	64.03	64.15	63.70	63.80
10	64.59	63.85	63.88	63.95	63.77	63.55	64.00	63.84	63.97	63.89	64.05	64.35
15	63.73	63.75	63.71	63.85	63.93	63.72	63.83	63.85	63.83	64.17	63.90	64.27
20	63.95	64.22	63.79	63.62	63.82	63.78	63.89	63.80	63.94	64.00	63.90	64.14
25	63.40	63.77	63.95	64.23	63.88	63.67	63.67	63.80	63.82	63.90	64.23	64.35
Eom	63.56	63.39	63.88	64.09	63.68	63.99	63.83	63.75	63.95	64.17	64.54	64.37

Fn-1--Continued.

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	64.38	63.92	64.04	63.68	63.80	63.72	63.66	63.73	63.95	63.87	63.80	63.66
10	64.18	63.73	63.86	63.99	63.53	63.73	63.83	63.73	64.07	63.83	63.96	64.06
15	63.53	64.11	63.63	63.85	63.73	63.82	64.00	63.88	63.76	63.86	64.30	63.97
20	63.90	64.19	63.85	63.80	63.74	63.66	63.80	63.86	64.20	64.05	64.03	64.21
25	63.97	64.00	63.95	63.65	63.92	63.57	63.95	63.87	64.04	63.38	63.66	64.16
Eom	64.51	63.72	63.71	63.65	63.65	63.84	63.84	63.63	63.92	63.92	63.89	64.17

1960

5	63.97	63.80	63.98	63.38	63.56	63.49	63.57	63.51	63.48	63.45	63.44	63.29
10	63.85	62.95	63.96	63.95	63.12	63.70	63.53	63.45	63.64	63.44	63.58	63.36
15	63.59	63.88	63.98	63.59	63.35	63.24	63.68	63.66	63.64	63.44	63.22	62.86
20	63.80	64.06	63.63	63.83	63.41	63.69	63.65	63.32	63.57	63.45	63.31	63.40
25	63.86	63.60	63.89	63.35	63.43	63.64	63.54	63.66	63.56	63.42	63.16	63.31
Eom	63.89	64.20	63.46	63.38	63.46	63.45	63.54	63.58	63.56	63.10	63.39	62.96

1961

5	63.14	63.60	62.85	62.50	63.12	62.70	62.79	62.55	62.71	62.61	62.76	62.25
10	63.43	62.91	63.03	62.75	62.98	62.57	62.83	62.68	62.73	62.73	62.51	62.56
15	62.88	63.21	62.60	62.40	62.49	63.00	62.62	62.81	62.73	62.71	62.65	62.96
20	62.87	63.39	63.21	63.05	62.94	62.63	62.55	62.75	62.60	62.49	62.70	62.44
25	63.73	62.62	63.65	62.35	62.62	62.76	62.74	62.65	62.55	62.41	62.73	62.40
Eom	63.29	63.05	63.77	62.79	62.90	62.83	62.70	62.67	62.58	62.34	62.63	62.42

1962

5	62.28	62.11	62.02	62.46	62.10	61.96	61.89	61.93	62.10	61.80	61.95	61.40
10	62.80	62.55	62.18	62.10	62.28	62.05	61.99	62.10	61.82	61.88	61.68	61.52
15	62.45	62.32	62.14	62.20	62.25	62.00	61.87	62.10	62.05	61.85	61.80	61.67
20	62.61	62.40	61.94	62.27	62.00	61.90	62.01	61.84	62.21	61.73	61.79	62.18
25	62.20	62.48	62.25	62.00	61.95	61.96	61.99	61.85	61.86	61.95	62.30	62.10
Eom	62.45	62.60	62.06	61.87	61.96	61.98	62.00	61.87	61.95	61.65	62.10	62.23

Greene County

Gr-1. City of Xenia. Lat 39°44'30", long 83°56'12". Drilled unused artesian well in gravel, diam 30 in, depth 77 ft, cased to 77. Lsd 820 ft above msl. MP floor of instrument shelter, 4.50 ft above lsd. Highest water level 2.45 above lsd, Jan. 27, 1952 (water level higher but could not be recorded during January 1959 flood), lowest 13.85 below lsd, Sept. 4, 1953. Records available: 1944-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.55	5.90	6.40	6.80	4.65	6.70	5.80	3.75	5.60	5.90	6.15	5.75
10	5.95	5.95	6.50	6.40	5.30	5.75	5.75	4.65	5.65	5.95	6.15	5.80
15	5.85	6.25	6.60	6.25	5.80	3.40	5.15	5.00	5.85	6.05	6.05	6.05
20	6.35	6.55	6.55	6.30	6.00	4.05	5.35	5.35	5.75	6.00	6.05	6.15
25	4.80	6.50	6.50	6.55	6.00	5.00	4.60	5.05	5.70	5.85	6.15	6.05
Eom	5.55	6.05	6.65	5.50	6.45	5.20	5.20	5.45	5.80	6.15	6.00	6.30

1959

5	6.10	4.65	4.90	4.95	5.25	5.45	5.75	4.80	6.45	6.60	6.35	6.55
10	6.25	4.30	4.70	5.10	5.25	5.80	5.95	5.70	6.50	6.50	6.60	6.70
15	6.10	3.70	3.95	5.20	4.60	5.65	6.30	6.05	6.55	6.60	6.55	5.95
20	5.90	4.55	4.70	5.25	5.05	5.90	6.20	6.10	6.60	6.65	6.75	6.20
25	3.70	4.70	4.95	5.40	5.10	5.75	6.15	6.40	6.70	6.50	6.70	6.30
Eom	4.25	4.80	5.05	4.85	5.20	5.95	6.10	6.35	6.55	6.60	6.50	6.20

1960

5	6.20	6.20	6.45	5.65	6.65	6.25	6.70	7.50	8.40	8.20	7.70	7.95
10	6.35	5.45	6.50	6.00	6.65	6.75	7.00	7.45	8.50	7.95	7.45	7.95
15	5.95	5.55	6.65	6.20	6.75	6.70	6.55	7.55	8.45	8.05	7.85	8.15
20	5.60	5.95	6.40	6.25	6.75	6.85	6.90	7.85	7.85	7.65	7.75	8.25
25	5.95	6.10	6.35	6.40	6.75	6.70	7.20	7.90	8.15	7.75	7.80	8.25
Eom	6.00	6.30	5.90	6.35	5.80	6.80	7.30	7.90	8.35	7.65	7.85	8.15

1961

5	8.20	8.30	5.70	5.85	5.35	5.80	6.00	6.30	6.20	6.55	6.60	6.25
10	7.80	8.45	5.10	5.80	3.80	4.55	6.00	6.50	6.15	6.65	6.80	6.40
15	7.55	7.40	5.10	5.40	4.85	5.06	6.05	5.25	6.30	6.60	6.60	6.55
20	7.35	6.80	5.65	5.25	5.20	5.55	6.00	5.75	6.40	6.70	6.60	6.00
25	7.60	6.60	5.15	5.10	5.45	5.75	6.00	5.95	6.45	6.65	6.15	6.10
Eom	8.05	5.85	5.55	4.90	5.70	6.10	6.30	6.20	6.55	6.65	6.50	6.15

Gr-1--Continued.

1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.45	6.05	5.10	5.70	6.50	6.70	7.20	7.70	7.60	7.75	7.95	7.85
10	....	6.40	5.00	5.85	6.50	6.90	7.35	7.80	7.60	7.60	7.70	8.00
15	6.05	6.55	5.05	6.00	6.65	7.10	7.40	7.85	7.55	7.65	7.40	8.20
20	6.00	6.50	5.45	6.20	7.30	7.40	7.25	8.10	7.75	7.65	7.05	7.80
25	5.55	5.15	5.30	6.25	7.50	8.30	7.20	9.20	7.90	7.80	7.30	7.40
Eom	5.85	3.15	5.50	6.40	6.95	8.60	7.45	8.00	8.00	8.00	7.90	7.65

Hamilton County

H-1. R. Weber. Lat 39°12', long 84°47'. Drilled test artesian well in gravel, diam 6 in, depth 124 ft, cased to 124. Lsd 500 ft above msl. MP floor of instrument platform, 2.70 ft above lsd. Highest water level 12.70 below lsd, Jan. 22, 1959; lowest 25.48 below lsd, Jan. 7, 1961. Records available: 1949-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	20.34	20.40	20.78	20.55	18.66	20.10	19.90	17.45	20.48	21.41	22.48	21.25
10	20.50	20.57	20.82	20.14	18.08	19.00	19.53	18.67	20.78	21.60	22.57	21.50
15	20.52	20.71	20.88	20.22	....	17.35	19.12	19.14	21.06	21.78	22.67	21.68
20	20.68	20.92	20.83	20.39	....	18.73	19.61	19.70	20.85	22.00	21.68	21.66
25	20.10	20.90	20.53	20.35	....	19.33	17.40	19.26	21.18	22.20	21.87	21.71
Eom	20.24	20.70	20.44	19.65	....	19.37	18.20	20.19	21.16	22.71	21.77	21.79

1959

5	21.42	19.03	19.70	19.90	20.45	20.97	21.85	23.00	23.62	24.40	24.78	24.89
10	21.53	19.00	19.42	20.05	20.72	21.28	22.13	23.18	23.82	24.42	24.60	24.95
15	21.57	17.15	18.10	20.32	20.16	21.24	22.35	23.38	23.97	24.47	24.62	24.05
20	21.23	18.94	19.40	20.45	20.49	21.47	22.40	23.48	24.08	24.60	24.67	23.93
25	17.28	19.17	19.83	20.61	20.73	21.42	22.62	23.64	24.22	24.67	24.80	23.86
Eom	18.40	19.41	20.03	20.00	20.50	21.62	22.84	23.58	24.21	24.76	24.81	23.35

1960

5	23.12	22.01	21.52	20.91	22.07	21.74	20.85	21.94	23.05	23.59	24.64	25.11
10	23.12	20.75	21.58	21.19	22.22	22.04	21.23	22.18	23.22	24.12	24.72	25.15
15	22.76	20.86	21.66	21.33	22.37	21.93	20.97	22.43	23.43	24.22	24.80	25.22
20	22.08	21.17	21.48	21.48	22.50	22.10	21.23	22.32	23.57	24.34	24.87	25.29
25	22.20	21.29	21.25	21.68	22.57	20.91	21.48	22.61	23.73	24.45	24.95	25.37
Eom	21.96	21.42	20.84	21.87	21.52	21.40	21.84	22.81	23.90	24.54	25.03	25.38

1961

5	25.46	25.15	21.18	20.97	20.20	20.32	21.12	21.38	22.14	23.09	23.94	23.72
10	25.38	25.23	20.52	20.99	16.70	19.52	21.39	21.54	22.27	23.30	24.07	23.23
15	25.46	24.70	19.90	20.29	18.56	19.58	21.53	21.54	22.55	23.45	24.18	23.10
20	24.83	24.13	20.25	20.05	19.19	20.27	21.68	21.79	22.76	23.59	23.92	22.18
25	24.90	23.65	20.03	19.92	19.62	20.58	21.18	21.96	22.95	23.73	23.71	22.33
Eom	25.03	22.16	20.65	19.58	20.10	20.94	21.42	22.23	23.05	23.86	23.68	22.43

1962

5	22.35	20.92	17.66	19.80	20.69	21.29	22.58	23.03	23.88	24.52	25.06	25.08
10	22.03	21.16	18.36	20.11	20.93	21.60	22.72	23.20	24.03	24.55	25.07	25.17
15	21.49	21.12	19.11	20.35	21.15	21.81	22.60	23.36	24.09	24.71	24.95	25.25
20	21.34	21.18	19.65	20.57	21.38	21.95	22.17	23.52	24.14	24.79	24.75	25.30
25	20.75	20.47	19.07	20.73	21.48	22.26	22.54	23.67	24.37	24.88	24.90	25.35
Eom	20.76	17.55	19.64	20.89	20.89	22.57	22.82	23.84	24.50	24.97	25.00	25.37

H-2. Southwestern Ohio Water Co. Formerly Leo Wilhelm. Lat 39°18', long 84°39'. Drilled unused artesian well in gravel, diam 6 in, depth 89 ft, cased to 89. Lsd 540 ft above msl. MP floor of instrument shelter, 8.97 ft above lsd. Highest water level 1.20 below lsd, June 16, 1958 (water level higher but could not be recorded during January 1959 flood); lowest 22.13 below lsd, Feb. 4, 1961. Records available: 1952-58, 1960-62. No measurement made in 1959. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.42	15.38	15.37	16.18	14.50	15.81	12.03	7.80	14.93	15.71	16.45	16.86
10	14.45	15.74	15.32	16.02	10.75	16.09	11.75	11.15	15.28	16.18	16.62	16.46
15	15.02	16.02	15.61	15.27	13.05	3.50	12.02	12.56	15.12	15.76	16.95	16.71
20	15.46	16.40	16.03	15.98	14.10	5.84	12.38	13.50	15.25	16.07	16.79	17.33
25	14.87	16.32	16.07	16.27	14.63	9.06	8.75	14.00	15.20	16.27	16.59	17.23
Eom	14.90	16.03	15.82	15.53	15.14	9.77	10.48	14.15	15.48	16.77	16.39	17.32

H-2--Continued.

1960												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	17.83	17.49	17.03	18.65	18.30	17.88	19.47	19.70	20.82	21.98	21.39
10	.....	16.80	17.48	16.95	18.93	18.83	18.28	19.47	19.81	21.10	21.69	21.61
15	.....	15.42	17.63	17.28	19.14	19.00	18.53	19.55	20.04	21.40	21.47	21.73
20	.....	16.32	17.34	17.66	19.26	18.89	18.72	19.54	20.38	21.64	21.25	21.62
25	17.62	16.40	17.20	17.96	19.27	18.43	19.45	19.61	20.43	21.65	21.49	21.62
Eom	18.13	17.00	17.15	18.63	18.48	18.60	19.57	19.78	20.50	21.76	21.47	21.58

Eom	19.15	17.55	17.15	16.55	15.15	13.15	12.51	12.15	20.55	21.75	21.47	21.55
1961												
5	21.55	22.11	18.37	14.58	11.67	14.92	15.23	15.50	16.25	17.27	17.43	17.60
10	21.55	22.00	15.19	15.24	6.25	14.55	15.28	15.54	16.68	17.24	17.64	17.21
15	21.70	21.59	14.45	14.15	10.07	12.79	15.26	14.95	16.81	17.57	17.51	17.37
20	21.75	21.13	14.49	12.74	12.30	13.39	15.35	15.42	16.80	17.80	17.40	16.85
25	21.79	20.49	13.19	12.17	13.65	14.30	15.38	15.80	17.12	17.60	17.27	16.72
Eom	21.99	19.25	13.36	8.50	14.24	15.12	15.73	16.22	17.24	17.62	17.46	17.00

	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
5	17.25	13.89	10.57	13.49	16.05	15.61	17.01	16.83	18.07	18.39	19.38	18.51
10	16.00	14.31	12.40	14.18	16.00	15.90	17.05	17.08	18.12	18.55	19.68	18.73
15	16.35	15.20	10.74	14.66	16.01	16.13	17.30	17.32	17.96	18.67	19.29	19.18
20	15.41	15.40	11.97	15.01	16.42	16.82	16.41	17.54	17.95	18.81	19.06	19.52
25	14.01	15.07	11.21	15.32	16.34	17.06	16.30	17.68	18.20	18.99	18.67	19.35
Eom	12.99	11.89	12.48	15.97	15.52	17.01	16.59	18.13	18.40	19.23	18.59	19.23

H-5. E. I. du Pont de Nemours Co. Lat 39°07' (previously reported 39°09'), long 84°49'. Drilled unused water-table well in gravel, diam 8 in (previously reported 10 in), depth 122 ft. MP floor of instrument shelter, 1.00 ft above lsd. Highest water level 32.10 below lsd, Mar. 4, 1962; lowest 74.50 below lsd, Sept. 10-11, 1957. Records available: 1956-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	60.55	61.35	60.10	54.65	45.20	66.75	68.40	53.75	70.00	71.55	72.95	70.85
10	66.60	60.00	60.95	54.35	33.80	67.90	67.85	54.80	70.45	71.90	72.75	67.30
15	68.50	62.10	64.20	53.20	.....	62.70	65.40	59.30	71.40	71.10	72.60	70.35
20	66.70	67.05	64.75	58.85	.....	61.00	59.95	63.35	71.60	71.95	71.70	71.45
25	64.20	68.95	64.60	61.20	.....	65.05	54.20	66.70	70.35	72.75	71.35	71.95
Eom	58.40	68.80	58.20	55.30	.....	65.95	55.10	67.65	71.10	73.00	71.55	71.90

Eom	05.10	05.05	05.20	05.05	.....	05.10	05.10	05.10	05.10	05.10	05.10	05.10
	1959											
5	69.05	55.30	59.90	60.30	57.10	67.95	72.00	72.70	73.40	72.60	71.80	63.50
10	69.90	58.55	60.10	56.85	61.35	68.80	72.25	72.70	73.90	71.55	77.60	65.05
15	70.95	51.00	57.15	56.45	64.60	70.35	71.50	73.20	74.05	72.60	71.95	63.55
20	65.80	46.10	56.65	57.20	63.15	71.30	71.40	73.55	74.20	73.05	71.75	57.85
25	46.20	55.20	59.75	62.15	66.40	71.65	71.90	73.80	74.25	73.25	71.90	61.15
Eom	47.80	57.65	62.50	62.00	67.70	71.40	72.45	73.75	73.25	71.70	67.65	65.45

1960												
5	63.20	63.95	61.45	48.90	68.20	65.10	65.65	72.05	73.70	73.75	73.90	73.25
10	59.75	61.00	65.70	46.20	68.60	68.40	68.80	72.10	73.55	73.80	73.55	73.40
15	62.95	53.10	67.10	52.85	61.30	68.75	69.80	72.55	72.95	73.80	72.80	73.40
20	55.00	56.50	65.10	60.75	60.65	67.45	70.45	72.85	73.10	73.85	73.15	73.40
25	57.75	60.20	62.85	65.15	65.15	65.90	70.20	73.10	73.20	73.75	73.40	73.60
Eom	63.70	59.35	61.50	67.05	64.60	69.10	71.40	73.50	73.60	73.90	73.30	73.15

1961												
5	69.80	72.45	42.50	51.50	47.55	65.20	67.45	64.95	70.40	71.65	71.55	68.65
10	71.05	72.70	39.10	56.50	34.35	62.70	68.10	66.50	70.55	71.90	71.35	69.45
15	71.90	69.30	42.80	53.50	46.20	56.95	68.90	65.65	71.10	71.95	71.80	66.05
20	66.00	63.70	49.65	46.40	56.00	54.15	66.30	68.55	71.75	72.15	70.75	62.95
25	69.10	58.95	50.50	48.60	60.40	62.00	64.55	69.50	72.00	71.15	77.60	59.00
Eom	71.30	51.90	54.80	44.45	64.25	65.95	66.95	70.25	71.95	71.70	65.00	63.30

1962												
5	66.35	59.20	33.00	48.10	62.60	68.85	70.40	71.10	71.80	71.80	67.50	61.90
10	61.00	60.20	45.25	49.75	63.90	69.50	70.30	71.30	71.95	71.80	67.60	60.95
15	60.65	61.10	47.25	46.30	65.45	69.70	70.75	71.60	72.05	72.10	61.90	60.25
20	62.30	63.05	50.60	50.95	66.40	69.60	69.50	71.80	72.00	71.85	64.30	59.45
25	57.65	60.60	46.30	56.85	68.00	69.80	70.00	71.90	62.15	62.00	62.90	55.80
Eom	53.80	48.30	51.00	61.20	67.60	70.50	70.70	71.95	72.10	70.60	64.20	55.85

H-6. Village of Glendale. Glendale Waterworks. Mosteller and Sharon Rds. Lat 39°16', long 84°25'. Drilled unused artesian well in gravel, diam 8 in, depth 160 ft (previously reported 167 ft), cased to 160. Lsd 573.0 ft above msl. MP top of recorder platform, 4.05 ft above lsd (since Feb. 25, 1957). Highest water level 13.35 below lsd, Apr. 29, 1939; lowest 79.80 below lsd, Dec. 28, 1962. Records available: 1938-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	61.70	65.80	67.20	64.20	63.80	66.10	65.90	60.70	53.10	58.00	58.40	59.90
10	65.60	61.90	64.00	65.30	64.30	63.90	66.70	60.50	52.30	60.10	59.60	59.90
15	63.90	62.20	64.30	66.60	66.70	64.10	65.20	61.20	50.90	59.30	59.00	59.50
20	62.10	63.90	66.10	64.40	63.90	66.00	63.90	59.80	51.90	58.10	61.30	60.40
25	62.80	64.50	62.00	66.60	63.60	65.40	65.10	58.20	53.20	59.00	60.00	60.70
Eom	63.80	66.10	65.20	66.80	64.30	63.80	64.70	51.40	57.40	58.30	62.50	62.00

1959

5	59.90	53.20	51.30	50.80	53.10	55.70	.....	62.40	.....	.....	66.50	68.60
10	60.70	50.20	.....	53.80	53.20	57.90	.....	60.30	67.20	63.80	66.40	71.10
15	62.20	50.10	.....	53.60	55.50	54.90	60.70	61.50	63.50	66.60	64.60	69.80
20	61.10	51.90	.....	51.60	55.00	57.20	58.00	63.20	62.40	65.50	70.30	69.10
25	.....	51.30	52.50	52.80	53.70	58.00	61.50	61.90	.....	64.30	69.30	67.30
Eom	.....	50.00	50.80	54.00	54.00	57.40	62.20	62.90	.....	66.60	66.90	70.70

1960

5	68.80	71.50	69.80	70.10	73.40	71.50	68.60	74.30	70.40	75.20	75.60	75.80
10	69.70	70.70	72.40	68.10	71.10	73.50	68.70	73.30	73.40	73.00	76.00	74.60
15	71.80	69.60	69.50	72.00	69.60	73.90	73.80	72.00	74.90	74.10	75.80	75.00
20	69.40	70.00	69.80	72.60	73.20	70.50	73.95	72.80	73.50	76.00	.....	75.20
25	69.20	71.40	73.90	71.60	73.00	70.30	70.70	75.20	73.80	74.20	.....	74.20
Eom	69.50	69.30	72.60	68.80	70.20	72.50	69.60	75.10	75.70	75.30	75.20	76.10

1961

5	76.50	76.60	.....	77.30	74.80	70.70	71.00	.....	70.90	72.70	74.40	75.80
10	76.80	78.70	77.70	74.60	72.70	69.70	70.80	71.10	70.20	72.80	74.70	74.60
15	75.80	77.70	75.80	74.50	72.00	70.50	71.40	71.00	71.90	72.60	75.90	76.80
20	78.70	.....	75.80	74.90	71.60	70.20	71.20	68.00	74.50	77.80	75.30	76.70
25	77.10	77.40	76.20	73.60	72.90	69.20	72.90	71.20	71.20	74.70	73.40	75.00
Eom	76.80	78.00	77.60	74.50	73.20	71.30	70.40	73.20	71.50	75.60	74.80	76.00

1962

5	79.40	.....	73.80	72.40	.....	74.20	75.40	76.90	77.00	77.80	77.60	78.50
10	78.40	.....	73.50	72.40	.....	73.50	76.00	76.50	78.00	77.60	77.30	79.10
15	78.40	.....	74.20	72.00	73.60	75.60	74.40	76.20	76.70	76.80	78.00	77.70
20	76.60	75.30	73.50	.....	73.00	75.30	75.60	75.80	77.50	77.00	78.30	.....
25	.....	75.20	71.90	.....	75.50	74.60	75.40	77.10	77.20	78.70	76.90	76.60
Eom	.....	75.10	74.00	.....	74.20	74.90	75.40	77.10	76.60	79.00	79.00	.....

H-7. Electric Auto-Lite Co. Jimson Rd., Lockland. Lat 39°15'56" (previously reported 39°14'56"), long 84°26'20". Drilled unused artesian well in gravel, diam 6 in, depth 180 ft. Lsd 563.4 ft above msl. MP floor of instrument shelter, 7.78 ft above lsd (previously reported top of pipe, 5.00 ft above lsd). Highest water level 42.93 below lsd, Apr. 9, 1941; lowest 99.11 below lsd, Sept. 21, 1962. Records available: 1941-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	85.08	84.45	84.46	83.61	83.63	83.82	83.75	83.62	83.46	83.08	82.61	82.49
10	84.42	84.51	84.10	84.00	83.81	83.42	83.93	83.45	83.18	83.06	82.85	82.87
15	84.23	84.17	84.02	83.80	84.17	83.69	83.86	83.43	83.17	83.06	82.70	82.65
20	84.60	84.49	83.99	83.61	83.85	83.75	83.85	83.50	83.18	82.77	82.83	82.50
25	84.10	83.96	83.85	84.17	83.70	83.78	83.85	83.37	83.05	82.78	82.83	82.66
Eom	84.29	83.87	83.84	83.96	83.69	83.98	83.75	83.38	83.03	83.03	83.13	82.50

1959

5	82.86	81.84	81.45	80.44	79.75	79.44	79.46	79.05	79.90	79.82	80.15	80.23
10	82.50	81.60	81.13	80.41	79.50	79.33	79.60	79.08	79.70	80.03	80.27	80.78
15	81.85	81.90	80.90	80.18	79.60	79.55	79.75	.....	79.35	80.04	80.58	80.86
20	82.23	82.05	80.90	79.84	79.54	79.46	79.71	.....	79.83	79.96	80.26	80.95
25	82.40	81.59	80.56	79.83	79.69	79.45	79.75	.....	79.67	79.64	80.02	80.80
Eom	82.51	81.24	80.32	79.60	79.36	79.52	79.34	79.36	79.73	80.30	80.62	81.08

1960

5	80.99	81.18	81.84	81.68	82.50	83.11	84.75	85.89	87.58	88.84	89.68	89.89
10	80.98	80.75	.....	82.35	82.29	83.48	85.18	86.23	87.90	88.84	89.76	90.13
15	80.75	81.76	81.77	82.05	82.63	83.45	85.44	86.63	88.19	88.85	89.51	89.85
20	81.33	.....	.....	82.33	82.82	83.85	85.51	86.66	88.20	89.01	89.83	90.41
25	81.33	81.47	.....	81.98	82.85	84.22	85.62	87.22	88.44	89.04	89.70	90.43
Eom	81.25	81.85	.....	82.28	83.08	84.30	85.77	87.40	88.47	89.77	90.03	90.12

H-7--Continued.

1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	90.39	91.68	92.57	93.50	.....	94.55	.....	.....	95.54	95.81	96.31	96.05
10	90.73	91.40	93.07	93.98	.....	94.32	.....	.....	95.68	95.88	95.99	96.38
15	90.08	91.97	92.92	93.79	.....	94.92	94.99	.....	95.70	96.00	96.23	96.76
20	90.53	92.35	93.39	94.38	.....	94.56	.....	.....	95.60	95.75	96.32	96.57
25	91.34	91.92	93.57	.....	94.60	94.94	.....	.....	95.69	95.96	96.50	96.55
Eom	91.23	92.66	93.48	.....	94.92	95.00	.....	.....	95.83	95.77	96.42	96.60

1962

5	96.43	96.45	96.46	97.41	97.56	97.87	98.20	98.35	98.92	98.15	97.39	97.42
10	97.25	96.97	96.31	97.10	97.53	98.12	98.52	98.66	98.82	.....	97.26	97.99
15	96.55	96.84	97.15	97.20	97.72	98.04	98.48	98.72	99.00	.....	97.58	98.18
20	96.65	97.06	96.64	97.34	97.55	97.96	98.81	98.58	99.05	.....	97.68	98.32
25	96.40	97.23	96.99	97.34	97.67	98.18	98.68	98.74	98.46	.....	98.17	98.68
Eom	96.82	96.96	96.97	97.19	97.91	98.43	98.49	98.75	98.47	97.39	97.81	98.52

H-9. Gardner-Richardson Co. South Cooper Ave., Lockland. Lat 39°14', long 84°27'. Drilled unused artesian well in gravel, diam 10 in, depth 168 ft, cased to 168. Lsd 5³/₈ 6 ft above msl. MP floor (previously reported top) of instrument shelter, 2.76 ft above lsd. Highest water level 103.67 below lsd, Nov. 21, 1962; lowest 136.80 below lsd, Nov. 9, 1947. Records available: 1938-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	117.90	117.23	116.47	115.00	114.43	114.64	115.40	116.25	116.50	116.13	115.93	.....
10	117.48	117.00	115.98	115.21	114.25	114.72	115.54	116.30	116.35	116.08	116.18	.....
15	117.27	116.50	115.80	114.93	114.30	114.90	115.58	116.43	116.10	115.97	115.93	.....
20	117.78	116.68	115.60	114.78	114.34	115.07	115.78	116.40	115.97	115.87	115.99	.....
25	117.69	116.35	115.38	115.13	114.27	115.35	115.81	116.35	116.00	115.99	115.93	.....
Eom	117.43	116.37	115.30	114.90	114.37	115.48	116.19	116.46	116.13	116.20	116.16	114.69

1959

5	114.93	114.10	113.82	112.90	.....	.....	112.36	112.88	113.16	112.79	113.30	112.86
10	114.54	114.00	113.55	112.82	.....	.....	112.57	112.87	112.85	112.99	112.97	113.35
15	113.83	114.05	113.53	112.59	.....	.....	112.62	113.00	112.45	113.03	113.40	113.29
20	114.20	114.29	113.23	112.37	.....	.....	112.76	112.85	112.91	113.07	112.95	113.51
25	114.20	113.95	113.05	112.27	.....	.....	112.33	112.96	112.88	112.75	112.95	113.09
Eom	114.52	113.67	112.74	.....	.....	.....	112.37	112.86	112.80	112.63	113.10	113.17

1960

5	112.75	112.98	113.35	112.21	111.62	111.40	.....	110.99	110.37	110.25	110.34	109.65
10	112.74	112.70	112.95	112.57	111.42	111.53	110.81	110.93	110.54	110.38	110.42	109.80
15	112.98	113.49	112.84	112.03	111.54	111.18	111.18	110.90	110.67	110.40	110.00	109.55
20	113.14	113.70	112.88	111.93	111.58	111.28	111.20	110.71	110.44	110.43	110.20	109.84
25	112.93	112.82	112.97	111.48	111.50	111.48	110.88	110.88	110.45	110.40	109.85	109.85
Eom	113.10	113.30	112.48	111.88	111.33	.....	111.04	110.61	110.52	110.00	110.13	109.39

1961

5	109.30	109.23	108.63	108.48	108.47	107.85	107.36	106.82	106.53	106.04	105.92	105.23
10	109.40	108.80	109.00	108.50	108.44	107.82	107.35	106.91	106.43	105.98	105.55	105.44
15	108.82	109.09	108.61	108.22	108.02	107.91	107.18	106.93	106.55	106.00	105.58	105.71
20	109.23	109.01	108.72	108.79	108.27	107.36	107.08	106.70	106.11	105.75	105.72	105.45
25	109.81	108.70	108.95	108.25	108.02	107.57	107.15	106.80	106.15	105.76	105.73	105.37
Eom	109.15	108.84	108.35	108.29	107.88	107.49	106.98	106.62	106.02	105.50	105.51	105.22

1962

5	104.94	104.98	104.39	104.56	104.25	104.03	103.93	103.85	104.20	104.07	104.17	103.93
10	105.67	105.14	104.65	104.52	104.25	104.10	104.10	104.13	104.07	104.25	104.08	104.34
15	105.14	104.90	104.86	104.53	104.33	104.10	103.93	104.12	104.20	104.19	104.06	104.26
20	105.17	105.07	104.35	104.45	104.04	103.98	104.07	103.97	104.36	104.05	104.10	104.49
25	104.89	105.16	104.65	104.20	104.27	104.07	103.97	104.04	103.95	104.31	104.44	104.35
Eom	105.16	104.95	104.50	104.12	104.17	104.03	103.92	104.04	104.25	103.95	104.08	104.15

H-11. Procter & Gamble Co. Vine St., Ivorydale. Lat 39°10', long 84°29'. Drilled unused artesian well in sand and gravel, diam 6 in, depth 151 ft, cased to 151. Lsd 53³/₈ ft above msl. MP floor of instrument shelter, 2.23 ft above lsd (previously reported top of 6-in coupling, 2.10 ft above lsd). Highest water level 100.50 below lsd, Dec. 6-22, 1962; lowest 129.72 below lsd, Oct. 25, 1948. Records available: 1939-62. Water levels affected by pumping.

H-11--Continued.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	109.64	109.20	109.15	108.70	108.62	108.61	108.20	108.07	108.00	107.52	107.40	107.13
10	109.10	109.23	108.85	108.97	108.62	108.31	108.30	108.07	107.82	107.50	107.34	107.55
15	108.99	109.06	108.83	108.90	108.72	108.37	108.18	108.01	107.83	107.68	107.49	107.46
20	109.28	109.20	108.93	108.69	108.58	108.40	108.11	108.00	107.79	107.65	107.50	107.22
25	108.82	108.80	108.86	108.90	108.50	108.26	108.10	107.84	107.70	107.40	107.53	107.35
Eom	109.12	108.60	108.81	108.75	108.53	108.43	108.10	107.92	107.58	107.59	107.61	107.35

1959

5	107.47	106.75	106.96	106.69	106.63	106.44	106.21	106.15	106.30	106.14	105.80	105.92
10	107.32	106.68	106.80	106.77	106.48	106.39	106.25	106.20	106.20	106.11	106.15	106.11
15	106.89	107.02	106.75	106.72	106.47	106.37	106.30	106.30	106.11	106.07	106.07	106.06
20	107.10	107.19	107.07	106.43	106.43	106.36	106.12	106.24	106.33	106.05	105.95	106.13
25	107.26	106.90	106.75	106.60	106.53	106.28	106.24	106.23	106.14	105.53	105.70	106.06
Eom	107.29	106.85	106.78	106.38	106.41	106.34	106.25	106.05	106.07	106.16	106.13	105.93

1960

5	106.00	105.75	105.75	105.57	105.52	105.50	105.47	105.40	105.23	105.27	105.17	104.99
10	105.97	105.22	105.50	105.87	105.27	105.63	105.50	105.37	105.28	105.15	105.05	104.98
15	105.55	105.96	105.77	105.67	105.52	105.34	105.49	105.41	105.28	105.08	105.10	104.65
20	105.91	105.97	105.57	105.80	105.56	105.60	105.44	105.25	105.20	105.04	105.05	104.99
25	105.95	105.75	105.71	105.37	105.50	105.50	105.40	105.39	105.25	104.89	105.01	104.90
Eom	105.83	105.85	105.34	105.47	105.58	105.41	105.37	105.35	105.15	104.87	104.92	104.66

1961

5	104.80	104.78	104.44	104.22	104.31	103.95	103.78	.....	103.61	103.52	103.51	102.89
10	104.92	104.37	104.50	105.02	104.12	103.82	103.79	103.63	103.61	103.52	103.22	103.02
15	104.40	104.59	104.26	104.04	104.00	103.99	.....	103.67	103.53	103.49	103.37	103.26
20	104.55	104.62	104.53	104.53	104.20	103.78	.....	.....	103.45	103.30	103.36	.....
25	105.02	104.25	104.48	103.99	104.05	103.88	.....	.....	103.49	103.38	103.32	.....
Eom	104.75	104.60	104.35	104.31	104.12	103.94	.....	103.61	103.57	103.29	103.26	103.04

1962

5	102.85	102.45	102.25	102.48	102.15	101.87	101.54	101.44	101.26	101.20	100.94	100.51
10	103.35	102.66	102.36	102.23	102.05	101.90	101.59	101.58	101.32	101.24	100.61	100.75
15	102.76	102.55	102.55	102.22	102.10	101.83	101.58	101.53	101.33	101.27	101.06	100.75
20	102.76	102.65	102.10	102.20	101.90	101.73	101.76	101.40	101.41	101.14	101.02	100.80
25	102.56	102.70	102.45	102.14	101.85	101.79	101.60	101.42	101.15	101.26	101.20	100.93
Eom	102.76	102.60	102.30	101.96	101.95	101.77	101.56	101.34	101.29	100.82	100.92	100.71

Hancock County

Ha-2. Maplehurst Farms. Lat 40°57'00", long 83°46'00". Drilled unused water-table well in limestone, diam 6 in, depth 27 ft. Lsd 815 ft above msl. MP floor of instrument shelter, 3.50 ft above lsd. Highest water level 0.30 below lsd, Jan. 15, 1960, Apr. 16, 1961; lowest 7.65 below lsd, Nov. 16-17, 1952. Records available: 1947-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	2.55	2.95	2.25	2.60	1.85	3.20	3.15	3.05	3.00	3.70	3.90	2.20
10	2.75	....	2.35	2.45	2.50	2.30	3.20	3.10	3.45	3.75	4.05	2.70
15	2.70	....	2.45	2.05	2.85	2.35	3.00	2.80	3.60	3.90	4.40	2.90
20	2.95	3.40	2.60	2.45	3.05	2.65	2.95	3.10	3.05	3.95	2.40	3.00
25	2.60	2.00	2.65	2.50	3.00	3.00	3.15	3.25	3.30	3.95	2.85	3.20
Eom	2.75	1.85	2.50	2.65	3.25	2.90	2.60	3.45	3.50	4.15	2.45	3.30

1959

5	2.80	2.55	1.65	1.95	1.65	2.80	2.90	3.15	2.50	3.35	2.05	1.60
10	3.00	2.00	.95	1.50	2.20	2.95	3.10	2.95	2.95	3.10	2.55	2.05
15	2.80	1.25	.95	2.05	2.25	3.05	3.35	3.20	3.10	2.75	1.60	1.15
20	2.95	1.95	1.70	2.25	2.60	3.15	3.45	2.60	3.40	3.10	2.35	1.90
25	2.00	1.60	2.15	2.45	2.15	2.30	3.55	3.00	3.55	2.90	2.60	2.20
Eom	2.00	1.65	1.80	.60	2.45	2.80	2.85	3.10	3.55	2.95	2.40	1.75

1960

5	1.75	2.00	2.75	1.65	2.85	2.50	3.25	3.80	5.30	5.95	6.50	6.50
10	2.20	.10	2.85	2.25	2.75	2.75	3.35	4.25	5.00	6.10	5.80	6.50
15	.30	1.70	2.90	2.30	2.90	2.75	2.90	4.50	5.50	6.20	6.20	6.50
20	1.55	2.20	2.35	2.30	2.90	2.75	3.10	4.75	5.65	6.25	6.20	6.65
25	2.10	2.30	2.35	2.45	3.00	3.00	3.30	5.05	5.75	6.35	6.20	6.65
Eom	1.75	2.65	1.55	2.65	1.90	3.15	3.70	5.05	5.90	6.30	6.40	6.40

Ha-2--Continued.

1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.55	6.70	1.60	2.40	2.00	2.80	3.15	3.45	4.45	5.55	6.30	5.30
10	6.20	6.60	1.80	2.10	2.00	2.65	3.20	3.55	4.95	5.80	6.40	5.45
15	6.10	4.30	1.65	.70	2.35	2.70	3.15	4.35	5.35	5.95	6.30	5.55
20	5.80	3.10	1.30	1.20	2.60	2.85	3.10	4.60	5.50	6.05	5.35	5.70
25	6.40	3.10	1.30	.65	2.70	3.00	3.25	4.85	5.65	6.10	4.50	5.90
Eom	6.50	2.30	2.10	.95	2.90	3.15	3.25	5.10	5.20	6.15	5.55	6.10
1962												
5	6.10	2.40	2.70	2.45	2.90	3.20	4.65	4.80	6.30	5.80	6.00	4.35
10	3.80	2.90	2.35	2.65	2.95	3.35	4.90	5.20	6.40	4.80	3.90	4.35
15	3.10	3.05	2.25	2.75	3.10	3.40	5.00	5.50	3.55	5.75	3.30	4.30
20	3.10	2.95	1.80	2.80	3.05	4.25	5.20	5.70	5.40	5.95	3.00	3.30
25	2.95	2.70	1.85	2.65	3.20	4.40	4.90	5.95	5.85	5.65	3.50	3.50
Eom	2.70	2.35	2.30	2.80	3.10	4.65	3.50	6.00	6.15	5.95	4.20	3.45

Jefferson County

Je-1. Steubenville Pottery Co. Lat 40°24'30", long 80°36'40". Drilled unused water-table well in gravel, diam 8 in, depth 104 ft, cased to 104. Lsd 640 ft above msl. MP floor of instrument shelter, 3.50 ft above lsd. Highest water level 30.20 below lsd, Apr. 2, 1960; lowest 51.00 below lsd, Feb. 23, 1958. Records available: 1947-50, 1952-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.75	43.90	42.15	43.85	40.05	43.25	43.90	42.45	44.05	43.80	43.75	44.35
10	43.85	44.40	45.45	41.85	35.00	43.55	44.10	44.30	44.10	43.75	44.00	44.90
15	44.05	43.85	43.95	43.00	41.05	43.95	46.00	44.35	44.00	43.90	43.50	44.25
20	44.50	49.95	43.80	45.80	42.20	43.85	44.00	43.55	43.70	43.90	44.15	43.90
25	45.25	50.40	44.15	44.20	42.75	43.70	43.60	43.90	44.35	43.50	44.50	43.80
Eom	44.90	45.60	43.00	42.80	43.10	43.85	44.25	43.35	43.95	43.75	43.85	43.80

1959

5	44.20	.....	44.90	41.20	42.80	43.90	43.85	44.20	44.15	44.25	44.35	45.35
10	43.85	.....	43.65	43.10	43.40	43.50	44.10	44.00	44.30	44.35	44.15	46.00
15	44.00	.....	44.65	44.95	45.10	44.40	43.95	43.80	44.40	44.05	43.95	38.00
20	47.00	39.60	43.30	44.05	44.30	43.80	44.05	44.10	44.05	44.00	43.70	42.45
25	.....	43.65	45.70	43.50	43.70	43.60	44.00	43.75	44.20	44.30	44.15	43.75
Eom	.....	44.90	44.05	41.45	43.60	43.80	44.35	44.10	44.35	44.20	43.15	42.85

1960

5	41.40	43.60	43.50	31.70	43.30	43.70	43.50	43.65	43.75	43.70	43.65	43.70
10	44.30	44.70	43.35	35.50	42.90	43.35	43.55	43.75	43.90	43.70	43.85	43.60
15	42.35	41.05	43.40	42.85	40.30	44.20	43.65	43.75	44.05	43.50	44.05	43.70
20	40.90	45.20	43.50	43.30	44.60	45.50	43.55	43.65	44.05	43.75	43.95	43.75
25	43.90	43.75	43.40	43.20	43.85	43.70	43.45	43.90	43.55	44.00	44.00	43.65
Eom	43.40	43.60	38.80	43.20	43.75	43.55	43.70	43.90	43.85	43.65	43.95	43.95

1961

5	44.00	44.55	34.75	44.55	41.70	45.00	43.60	45.80	43.90	43.85	43.90	43.70
10	44.00	44.15	34.70	45.85	42.10	44.20	43.60	44.40	43.50	43.80	43.85	43.65
15	43.90	44.90	37.80	41.10	44.55	43.90	43.75	44.45	43.95	43.75	44.10	44.10
20	44.00	41.00	42.10	39.10	43.65	44.05	43.70	44.10	44.00	43.80	44.20	44.95
25	43.85	36.80	42.10	39.55	43.60	43.45	43.80	43.95	43.65	43.75	44.45	46.25
Eom	44.45	34.00	45.50	35.00	43.35	43.45	44.40	43.85	43.95	43.75	45.40	43.80

1962

5	43.60	44.35	41.00	41.60	43.55	43.60	43.95	44.15	44.05	44.20	44.20	43.80
10	42.95	44.25	44.95	39.90	43.40	43.60	44.50	44.10	44.65	43.75	44.20	43.90
15	44.10	43.90	40.00	39.25	43.60	44.00	43.85	44.45	43.95	43.70	45.80	44.50
20	43.70	43.70	44.90	42.05	43.40	44.15	44.10	44.00	44.25	43.90	44.60	43.90
25	44.70	41.45	37.80	45.95	43.55	44.00	43.65	44.10	.....	44.10	44.40	44.25
Eom	44.95	40.95	43.40	44.00	43.50	44.70	43.75	44.30	.....	44.15	44.00	44.00

Knox County

K-1. City of Mount Vernon. Lat 40°23'45", long 82°30'05". Drilled unused artesian well in gravel, diam 8 in, depth 90 ft, cased to 90. Lsd 990 ft above msl. MP floor of instrument shelter, 3.50 ft above lsd. Highest water level 1.90 above lsd, Mar. 19, 1948 (water level higher but could not be recorded during January 1959 flood); lowest 14.00 below lsd, Sept. 31, 1962. Records available: 1946-62. Water levels affected by pumping.

K-1--Continued.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.55	....	8.35	7.70	6.65	7.55	7.10	7.45	7.35	7.15	7.90	8.15
10	6.95	7.10	6.75	7.15	7.20	8.30	9.70	7.55	9.20	9.25	7.25	8.85
15	7.20	6.80	7.45	7.80	7.30	....	8.30	8.80	9.00	8.05	8.20	....
20	7.25	8.10	6.95	6.70	8.00	....	6.65	8.70	8.50	10.40	7.10	6.95
25	6.95	8.30	6.90	8.45	6.45	....	7.90	8.90	8.80	8.55	8.75	6.55
Eom	....	8.60	6.00	7.70	6.15	7.45	8.25	7.25	9.00	8.70	7.25	8.40

1959

5	8.55	6.70	8.40	7.00	7.70	7.55	6.90	10.05	10.65	10.65	10.50	8.45
10	8.50	5.00	6.45	7.00	7.30	9.90	9.75	10.70	12.05	10.15	8.95	9.25
15	7.95	5.00	6.00	7.85	8.00	8.50	12.00	11.30	10.85	11.05	8.25	9.55
20	7.55	6.00	6.80	7.30	8.60	10.60	10.30	12.50	9.75	10.45	9.65	8.35
25	....	6.75	6.75	8.45	7.70	10.30	9.70	13.00	11.85	10.30	8.45	7.35
Eom	....	6.20	9.25	6.50	5.80	10.20	10.50	11.50	11.65	9.45	8.30	9.10

1960

5	8.20	8.05	8.45	6.85	9.10	9.10	8.25	11.15	....	9.90	9.35	9.50
10	8.50	7.90	8.35	7.30	8.30	10.35	9.10	10.20	....	10.25	10.20	9.95
15	8.65	6.45	8.85	8.90	8.40	9.50	10.60	11.40	12.00	9.75	9.40	8.60
20	6.60	7.70	8.65	7.75	9.55	10.25	10.75	12.30	11.15	9.70	8.95	11.00
25	6.30	8.15	9.65	8.80	10.50	9.70	11.40	....	9.45	10.65	8.80	8.65
Eom	6.50	7.85	9.65	8.80	9.60	10.65	10.15	....	11.00	8.85	10.90	10.30

1961

5	11.00	....	5.50	7.85	8.60	8.50	9.10	8.85	11.70	11.00	9.10	9.55
10	9.65	9.85	8.90	6.85	8.20	8.25	9.05	10.40	11.00	11.00	10.30	8.30
15	8.75	9.25	8.70	7.10	8.10	9.65	9.65	10.70	11.35	9.75	8.95	10.10
20	9.90	7.70	8.35	7.95	7.95	9.20	9.05	11.65	11.90	9.95	8.80	9.00
25	8.95	7.65	8.05	7.30	7.55	7.15	11.00	10.70	11.60	9.80	8.35	7.60
Eom	10.25	7.45	7.90	6.80	7.80	10.85	11.05	12.70	11.05	9.85	10.20	8.90

1962

5	8.45	7.40	7.00	8.50	10.45	11.50	12.05	....	11.95	12.15	9.00	11.15
10	8.20	10.90	8.15	7.95	9.70	10.00	11.40	....	10.95	11.80	10.10	9.85
15	7.25	9.40	....	7.00	11.00	11.40	10.05	12.15	10.50	10.70	10.60	9.25
20	8.40	9.20	....	8.10	9.30	11.25	....	12.70	11.80	12.25	9.55	10.70
25	10.15	8.30	....	8.25	11.60	12.20	....	11.10	12.80	10.70	8.00	8.55
Eom	10.20	5.95	8.15	8.60	9.75	12.85	....	14.00	9.55	10.55	9.60	9.70

Lake County

L-1. City of Mentor. Lat 41°41'00", long 81°20'03" (previously reported 81°22'03"). Drilled unused water-table well in sand, diam 8 in, depth 32 ft. Lsd 660 ft above msl. MP top of instrument support, 1.85 ft above lsd. Highest water level 13.52 below lsd, Feb. 3, 4, 1959; lowest 23.30 below lsd, Oct. 3-7, 1954. Records available: 1948-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.50	15.65	15.32	15.27	15.37	15.43	15.57	15.12	14.56	14.62	14.90	....
10	16.90	15.55	15.25	15.35	15.33	15.42	15.54	14.92	14.62	14.66	14.98	....
15	16.50	....	15.20	15.35	15.28	15.45	15.37	14.67	14.68	14.77	15.02	....
20	16.25	15.42	15.19	15.33	15.30	15.48	15.18	14.50	14.70	14.83	15.00	....
25	15.95	15.35	15.24	15.42	15.35	15.51	15.09	14.45	14.60	14.87	14.95	....
Eom	15.75	15.33	15.26	15.42	15.38	15.55	15.10	14.51	14.56	14.90	....	....

1959

5	....	13.73	13.99	13.93	14.17	14.42	14.92	15.37	15.79	16.01	15.93	15.46
10	....	13.78	13.96	14.05	14.08	14.51	15.03	15.44	15.83	15.93	15.88	15.46
15	....	13.74	13.85	14.11	14.08	14.60	15.12	15.51	15.87	15.88	15.87	15.27
20	14.63	13.77	13.65	14.17	14.16	14.68	15.20	15.57	15.93	15.92	15.71	14.94
25	14.00	13.87	13.65	14.22	14.27	14.78	15.30	15.64	15.96	15.91	15.57	14.76
Eom	13.68	13.85	13.77	14.25	14.34	14.87	15.37	15.72	15.99	15.96	15.51	14.82

1960

5	14.84	14.49	14.53	14.37	14.28	14.67	14.77	15.11	15.52	15.81	16.07	16.20
10	14.89	14.42	14.61	14.33	14.36	14.68	14.80	15.15	15.58	15.85	16.09	16.22
15	14.82	14.43	14.67	14.23	14.45	14.66	14.87	15.22	15.65	15.82	16.09	16.21
20	14.68	14.37	14.69	14.21	14.53	14.68	14.90	15.28	15.70	15.84	16.13	16.27
25	14.58	14.28	14.77	14.15	14.61	14.63	14.98	15.35	15.74	16.00	16.14	16.27
Eom	14.51	14.44	14.60	14.16	14.65	14.70	15.06	15.47	15.78	16.01	16.18	16.30

L-1--Continued.

1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.30	16.37	16.00	15.22	14.20	14.70	15.20	15.56	15.83	16.03	16.15	16.08
10	16.32	16.36	15.85	15.18	14.12	14.80	15.25	15.60	15.85	16.05	16.15	16.03
15	16.30	16.40	15.70	15.13	14.15	14.90	15.33	15.65	15.88	16.07	16.17	16.01
20	16.30	16.37	15.58	15.17	14.36	14.98	15.40	15.72	15.90	16.10	16.19	15.98
25	16.35	16.21	15.42	15.06	14.46	15.06	15.47	15.75	15.96	16.12	16.19	15.98
Eom	16.35	16.20	15.30	14.55	14.61	15.14	15.53	15.80	16.00	16.11	16.12	15.98

1962

5	15.98	15.63	15.36	15.49	15.60	15.85	16.00	16.10	16.28	16.16	16.15	15.63
10	16.02	15.63	15.40	15.49	15.67	15.86	16.02	16.14	16.32	16.15	16.13	15.64
15	15.97	15.57	15.42	15.46	15.72	15.86	16.06	16.17	16.33	16.14	15.96	15.64
20	15.89	15.56	15.43	15.51	15.75	15.80	16.07	16.20	16.34	16.13	15.79	15.64
25	15.80	15.55	15.48	15.51	15.81	15.90	16.09	16.22	16.38	16.15	15.72	15.62
Eom	15.70	15.45	15.47	15.56	15.85	15.94	16.11	16.25	16.31	16.13	15.67	15.57

Lawrence County

La-1. Crystal Ice Co. 9th and Railroad Sts., Ironton. Lat 38°32', long 83°41'. Drilled unused artesian well in gravel, diam 16 in, depth 77 ft, cased to 77. Lsd 550 ft above msl. MP floor of instrument shelter, 4.65 ft above lsd. Highest water level 37.50 below lsd, Dec. 28, 1962; lowest 53.77 below lsd, Oct. 19, 1947. Records available: 1947-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	47.51	47.64	47.10	47.44	45.78	42.70	45.26	45.66	46.08	46.75	47.23	47.69
10	47.57	47.08	46.93	46.80	44.93	43.00	45.72	45.63	46.30	46.70	46.78	47.48
15	47.39	47.38	46.84	47.27	43.10	43.23	45.83	46.02	46.36	46.80	47.46	47.19
20	47.73	47.28	47.68	46.94	42.43	43.50	45.99	45.82	46.65	46.60	47.23	47.79
25	47.81	47.72	47.33	47.10	42.23	44.30	45.58	46.06	46.10	47.05	47.51	47.35
Eom	47.50	47.87	47.44	46.35	42.39	44.87	45.65	46.14	46.49	46.96	47.13	47.70

1959

5	47.54	46.84	45.29	45.68	45.93	46.55	47.55	47.80	48.80	48.93	49.14	49.27
10	47.66	46.10	45.45	.....	45.93	46.75	47.55	48.25	49.07	49.06	49.25	48.75
15	48.04	46.32	45.33	.....	46.08	46.79	47.70	48.42	48.43	48.75	49.40	48.99
20	47.61	45.55	45.26	45.61	46.18	46.95	47.68	48.56	48.60	48.74	48.82	48.84
25	47.48	45.65	45.40	45.51	46.27	47.09	47.73	48.71	48.85	48.73	48.97	48.55
Eom	46.85	45.20	45.27	45.86	46.44	47.25	47.92	48.71	48.94	48.90	48.76	48.80

1960

5	48.35	47.80	46.63	46.58	45.36	.....	46.80	.....	48.22	48.34	48.65	48.87
10	48.29	47.95	47.00	45.59	45.60	.....	46.80	47.72	48.39	48.65	48.65	48.67
15	48.47	47.30	46.55	45.27	45.59	46.28	47.12	47.91	48.43	48.78	48.57	48.78
20	48.10	47.05	46.73	44.88	45.54	46.32	.....	48.02	48.28	48.78	48.67	48.74
25	47.67	47.38	46.90	45.12	45.52	46.59	.....	48.08	48.40	48.50	48.69	48.71
Eom	47.87	46.78	47.19	45.22	.....	46.74	.....	48.18	48.58	48.74	48.64	48.74

1961

5	48.78	48.76	47.72	.....	42.38	.....	44.10	45.17	45.53	45.09	44.24	43.34
10	48.82	49.04	46.63	.....	42.07	.....	44.28	45.23	45.58	45.10	44.01	43.10
15	48.91	48.86	45.50	.....	41.66	.....	44.48	45.31	45.56	44.89	43.87	42.95
20	48.83	48.86	45.83	44.12	.....	43.55	44.67	45.43	45.36	44.72	43.75	43.05
25	48.82	48.66	.....	43.07	.....	43.65	44.85	45.50	45.40	44.37	43.53	42.66
Eom	48.75	48.50	45.32	42.84	.....	43.83	45.06	45.47	45.37	44.37	43.44	42.37

1962

5	42.45	41.73	39.42	38.04	38.26	38.92	38.82	38.67	.....	38.40	38.09	37.86
10	42.28	41.53	38.60	38.00	38.36	39.07	38.83	38.65	.....	38.35	38.10	37.78
15	42.28	41.53	38.17	37.79	38.58	39.05	38.73	38.65	.....	38.38	38.04	37.60
20	42.12	41.39	38.12	37.75	38.87	39.00	38.75	38.64	.....	38.20	38.08	37.86
25	41.90	41.38	37.89	37.82	38.90	38.90	38.66	38.70	38.42	38.44	37.95	37.55
Eom	41.76	41.20	37.89	38.05	38.94	38.93	38.70	38.67	38.49	38.02	38.00	37.56

Licking County

Li-2. Heath Refinery. Newark. Lat 40°02', long 82°28'. Drilled observation artesian well in gravel, diam 6 in, depth 23 ft, cased to 22. Lsd 890 ft above msl. MP floor of instrument shelter, 3.80 ft above lsd. Highest water level 0.13 below lsd, Apr. 26, 1961; lowest 18.55 below lsd, Dec. 17-18, 1953. Records available: 1953-62. Water levels affected by pumping.

Li-2--Continued.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	1.26	1.20	1.48	1.57	0.03	1.77	1.89	1.45	1.28	2.22	....	3.71
10	1.30	1.45	1.60	1.61	.50	.66	1.90	1.65	1.77	2.37	3.56	3.89
15	1.12	1.67	1.60	1.20	1.02	.23	1.39	1.72	1.99	2.60	3.67	3.99
20	1.50	2.00	1.63	1.42	1.25	.26	2.14	1.97	1.98	2.79	3.78	4.16
25	.58	1.84	1.64	1.43	1.24	.95	.25	1.28	1.72	2.92	3.96	4.27
Eom	.89	1.14	1.43	.49	1.57	1.10	1.32	1.65	1.94	....	4.14	4.33

1959

5	3.33	0.82	0.77	0.64	1.35	1.82	2.34	4.07	....	4.71	3.43	2.20
10	3.52	....	.66	1.00	1.51	2.07	2.62	4.06	4.44	3.40	3.54	1.97
15	3.27	....	.37	1.16	.80	2.10	2.65	4.20	4.58	3.99	3.76	.88
20	2.98	....	.75	1.20	1.34	2.36	3.71	4.33	4.75	4.72	3.84	1.15
25	.21	....	.95	1.43	1.44	2.18	4.12	4.46	4.87	3.90	3.79	1.23
Eom	.40	.67	.99	.75	1.60	2.04	4.36	....	4.98	4.05	2.34	.98

1960

5	0.83	2.03	2.22	2.16	1.97	1.90	2.62	3.30	4.42	5.11	5.48	5.58
10	.94	.49	2.58	2.53	1.84	2.18	3.01	3.54	4.57	....	5.30	5.62
15	.34	1.01	2.86	2.86	1.91	1.44	1.95	3.81	4.75	....	5.36	5.62
20	.90	1.53	2.76	3.12	2.08	1.94	2.44	3.98	4.88	....	5.54	5.74
25	1.48	1.72	2.83	2.21	2.03	2.40	3.00	4.03	5.01	....	5.63	5.79
Eom	1.65	1.71	2.34	2.05	1.63	2.79	3.00	4.25	5.14	....	5.73	....

1961

5	5.84	5.92	1.29	0.85	0.90	....	....	1.07	5.06	4.49	5.12	4.15
10	5.76	5.97	.55	....	....	....	....	2.38	4.41	4.63	5.17	4.19
15	5.68	5.56	.72	....	....	2.06	3.58	3.89	4.37	4.71	5.06	4.30
20	5.60	5.01	.83	.62	.89	2.46	3.56	4.74	4.32	4.77	4.91	3.80
25	5.71	4.35	.48	.39	1.08	2.85	3.38	5.37	4.42	4.89	3.89	3.86
Eom	5.84	2.72	1.72	.47	1.32	3.12	.78	5.99	4.40	4.90	4.29	3.67

1962

5	3.72	0.76	1.68	2.87	4.78	2.33	2.83	3.95	4.56	4.45	5.28	3.98
10	2.36	1.21	1.14	3.24	3.19	2.52	3.16	3.78	4.66	4.52	4.79	4.08
15	2.38	1.29	1.45	3.77	2.95	2.41	3.18	4.06	4.24	4.83	3.82	4.14
20	2.05	1.10	1.96	4.73	2.88	2.67	3.29	4.30	4.60	4.87	3.35	4.10
25	1.37	.15	2.20	5.20	2.20	2.78	3.45	4.46	4.84	5.07	3.74	3.88
Eom	.96	.30	3.01	5.68	2.19	3.04	3.78	4.66	4.91	5.16	3.90	3.56

Lucas County

Lu-1. State of Ohio. Toledo State Hospital. Detroit Ave. and Arlington St., Toledo. Lat 41°37', long 83°36' (previously reported lat 41°40'32", long 83°36'24"). Drilled unused artesian well in limestone, diam 12 in, depth 250 ft. Lsd 620 ft above msl. MP floor of instrument shelter, 3.10 ft above lsd. Highest water level 84.10 below lsd, July 18, 1947; lowest 117.25 below lsd, Sept. 18, 1957. Records available: 1946-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	107.90	104.35	103.00	101.15	100.50	100.05	99.40	99.60	99.75	98.35	97.10	96.80
10	106.40	104.05	102.55	101.25	100.15	99.70	99.65	99.70	99.55	98.25	97.40	96.95
15	106.05	103.70	102.10	101.00	100.45	99.80	99.60	100.00	99.80	98.20	97.10	96.70
20	105.80	103.85	101.90	100.85	100.35	99.75	99.80	99.60	98.85	97.95	97.00	96.45
25	104.70	103.10	101.80	101.15	100.00	99.50	99.65	99.40	98.65	97.65	97.20	96.55
Eom	104.50	102.55	101.50	100.85	99.85	99.65	99.80	99.60	98.50	97.65	97.35	96.45

1959

5	96.20	95.80	95.55	94.80	94.65	94.45	94.35	94.55	94.85	94.35	93.60	92.85
10	96.15	95.65	95.25	95.00	94.30	94.45	94.50	94.60	94.90	94.35	93.55	93.30
15	95.60	95.75	94.90	94.65	94.45	94.60	94.65	94.65	94.50	94.15	93.90	93.05
20	95.95	95.80	95.00	94.60	94.45	94.40	94.60	94.65	94.60	94.20	93.40	93.15
25	95.85	95.55	94.90	94.50	94.55	94.30	94.75	94.70	94.60	93.55	93.20	93.00
Eom	96.05	95.15	94.75	94.55	94.35	94.65	94.60	94.65	94.45	93.80	93.20	93.10

1960

5	92.80	92.35	92.60	92.05	92.30	92.60	93.15	93.55	93.50	93.40	93.00	92.65
10	92.75	91.75	92.50	92.65	91.90	92.90	92.95	93.45	93.70	93.45	93.15	92.75
15	92.50	92.70	92.45	92.20	92.10	92.50	93.05	93.60	93.60	93.30	92.65	92.20
20	92.65	92.85	92.30	92.45	92.15	93.00	93.25	93.35	93.55	93.15	92.85	92.85
25	92.55	92.30	92.50	92.10	92.25	93.05	93.20	93.65	93.65	93.05	92.55	92.70
Eom	92.50	92.80	92.20	92.15	92.35	92.90	93.55	93.60	93.75	92.60	92.90	92.30

Lu-1--Continued.

1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	92.45	92.95	92.40	92.15	92.65	92.40	92.60	92.30	92.55	92.60	92.20	92.95
10	92.80	92.45	92.75	92.30	92.50	92.45	92.50	92.40	92.55	92.70	92.90	93.20
15	92.25	.....	92.65	92.00	92.10	92.85	92.35	92.45	92.80	92.80	92.00	93.50
20	92.35	.....	92.15	92.75	92.55	92.35	92.35	92.30	92.45	92.75	92.15	93.00
25	93.20	.....	92.50	91.90	92.30	92.60	92.55	92.30	92.60	92.75	92.35	92.85
Eom	92.65	92.65	92.40	92.50	92.50	92.60	92.50	92.50	92.65	92.70	92.10	92.80
1962												
5	92.70	92.60	92.15	92.65	92.55	92.35	92.45	92.60	93.15	93.00	92.50	.....
10	93.30	92.95	92.45	92.45	92.60	92.50	92.60	92.80	92.90	93.20	93.40	.....
15	92.75	92.70	92.60	92.55	92.55	92.50	92.55	92.75	93.20	93.10	93.40	.....
20	92.80	92.65	92.15	92.60	92.30	92.50	92.60	92.60	93.40	93.05	.....	93.40
25	92.55	92.90	92.55	92.25	92.50	92.60	92.50	92.75	92.90	93.35	.....	93.10
Eom	92.80	92.85	92.45	92.25	92.40	92.55	92.60	92.85	93.20	93.10	.....	93.10

Mahoning County

Ma-1. City of Canfield. Lat 41°00'46", long 80°45'36". Drilled unused artesian well in sandstone, diam 8 in, depth 205 ft. Lsd 1,160 ft above msl. MP top of instrument platform, at lsd. Highest water level 27.15 below lsd, May 22, 1949; lowest 110.75 below lsd, Sept. 27, 1946. Records available: 1946-62.

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	33.85	.....	32.37	32.14	31.98	32.16	32.63	32.20	32.33	33.87	34.27	33.73
10	33.65	.....	32.28	32.10	31.83	32.13	32.74	32.17	32.40	33.85	34.11	33.58
15	33.64	.....	32.17	32.00	31.77	32.29	32.53	32.13	32.95	34.40	34.17	33.33
20	33.49	.....	32.27	32.01	31.81	32.35	32.40	32.13	33.75	34.40	34.32	33.25
25	33.27	.....	32.35	32.32	32.05	32.50	32.25	32.19	34.02	34.35	34.30	33.33
Eom	33.05	.....	32.17	32.62	32.17	32.57	32.48	32.30	34.02	34.21	34.00	33.37
1959												
5	33.35	32.65	32.68	31.92	32.12	32.50	32.83	33.11	34.55	36.06	34.99	34.51
10	33.05	32.79	32.38	31.88	32.08	32.55	33.03	33.15	34.80	36.03	34.92	34.42
15	33.03	32.68	32.18	32.03	32.39	32.58	33.10	34.05	34.87	35.65	34.70	34.32
20	32.83	32.56	32.13	31.92	32.50	32.79	33.15	34.30	35.06	35.60	34.77	34.29
25	32.87	32.65	32.31	32.05	32.40	32.78	33.18	34.55	35.57	35.20	34.58	33.67
Eom	32.84	32.64	32.15	31.92	32.33	32.85	33.25	34.02	35.97	34.95	34.56	33.55
1960												
5	33.34	32.60	32.42	32.59	32.82	32.85	33.03	34.12	35.56	36.36	32.60	37.40
10	33.19	32.31	32.60	32.55	32.75	32.89	33.19	34.06	35.93	36.96	32.49	37.28
15	33.07	32.44	32.42	32.68	32.73	32.76	33.43	34.21	35.69	36.75	32.64	37.03
20	32.98	32.30	32.32	32.60	32.87	32.85	33.52	34.91	35.75	36.68	32.72	37.06
25	32.85	32.23	32.39	32.61	32.90	32.95	33.76	34.98	36.00	36.53	32.88	36.59
Eom	32.78	32.25	32.32	32.61	32.73	33.00	33.99	35.31	36.22	36.70	37.14	36.53
1961												
5	36.63	36.14	35.90	34.37	33.86	33.60	34.15	34.80	36.06	36.87	37.73	37.15
10	36.83	36.42	35.57	34.32	33.63	33.68	34.27	35.36	36.38	37.17	37.70	37.20
15	36.65	36.27	35.37	34.29	33.61	33.73	34.45	35.38	36.63	37.36	37.60	37.17
20	36.53	36.38	35.27	34.19	33.61	33.72	34.44	35.48	36.56	37.43	37.55	37.07
25	36.43	36.46	34.93	34.21	33.67	34.00	34.50	35.83	36.33	37.57	37.26	36.87
Eom	36.24	36.13	34.64	33.88	33.64	34.05	34.68	36.01	36.60	37.55	37.23	36.80
1962												
5	36.76	36.75	36.20	35.64	35.05	34.87	35.60	36.34	37.82	38.45	38.55	38.53
10	36.60	36.76	36.08	35.65	34.83	34.99	35.77	36.90	37.80	38.64	38.31	38.16
15	36.80	36.59	35.99	35.69	34.74	35.11	35.85	36.82	37.90	38.66	38.46	37.91
20	36.82	36.50	35.93	35.72	34.73	35.26	35.95	36.78	38.03	38.72	38.36	38.00
25	36.86	36.41	35.92	35.63	34.73	35.41	36.00	37.50	38.24	38.70	38.34	37.95
Eom	36.77	36.39	35.70	35.26	34.81	35.65	36.17	37.91	38.20	38.59	38.32	37.72

Marion County

Mn-2. City of Marion. Lat 40°35'46", long 83°10'56". Drilled unused artesian well in limestone, diam 12 in, depth 67 ft. Lsd 910 ft above msl. MP floor of instrument shelter, 2.00 ft above lsd. Highest water level 18.94 below lsd, July 9, 1960; lowest 49.50 below lsd, Feb. 11, 1956. Records available: 1950-62. Water levels affected by pumping.

Mn-2--Continued.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	46.17	46.25	47.02	46.96	46.36	46.51	46.49	46.72	46.53	46.59	46.55	46.83
10	46.32	46.35	46.97	46.95	46.38	46.48	46.85	46.70	46.78	46.65	46.53	46.89
15	46.27	46.45	47.04	46.81	46.45	46.53	46.97	46.66	46.65	46.59	46.65	46.90
20	46.15	46.75	47.13	46.80	46.33	46.47	47.08	46.49	46.57	46.54	46.60	47.05
25	46.32	46.93	47.13	46.68	46.43	46.53	47.32	46.31	46.55	46.75	46.65	46.87
Eom	46.35	47.05	47.05	46.53	46.50	46.39	47.15	46.50	46.48	46.65	46.49	46.81

1959

5	46.67	40.74	34.48	30.52	27.50	25.04	23.48	28.10	32.44	34.95	35.55	31.75
10	46.75	40.57	33.60	30.12	26.90	24.75	24.70	28.22	33.42	34.44	34.48	31.27
15	46.78	40.12	32.84	29.72	26.52	24.48	24.72	29.45	33.58	34.56	34.05	30.75
20	46.83	38.80	32.25	29.27	26.20	24.21	26.00	30.35	33.78	34.95	33.00	30.30
25	44.35	36.30	31.63	28.95	25.88	24.00	26.25	31.50	35.00	35.02	32.37	29.85
Eom	41.20	35.47	30.99	28.45	25.40	23.79	27.52	32.10	35.15	35.20	32.08	29.32

1960

5	28.93	26.45	24.84	22.95	21.37	20.16	19.00	23.57	26.36	30.50	31.76	.....
10	28.54	25.96	24.67	22.60	21.07	19.98	18.98	23.57	27.52	31.00	32.75	.....
15	28.16	25.60	24.52	22.24	20.93	19.72	20.15	24.29	28.45	31.72	31.85	.....
20	27.69	25.47	24.13	22.04	20.76	19.56	20.60	25.12	28.99	31.91	32.05	.....
25	27.23	25.05	23.95	21.73	20.57	19.42	21.39	24.65	29.65	31.54	32.34	.....
Eom	26.80	25.03	23.38	21.56	20.33	19.18	21.67	25.67	30.38	32.15	32.50	.....

1961

5	35.42	35.50	31.65	27.65	24.04	22.35	21.02	22.83	25.53	28.50	31.07	29.03
10	35.62	35.94	30.85	27.29	23.72	22.11	20.88	22.37	24.89	29.15	32.06	28.47
15	35.75	35.48	29.95	26.90	23.35	21.95	21.85	23.70	26.75	29.56	31.34	28.02
20	34.47	34.08	29.36	26.50	23.15	21.53	22.50	24.75	27.58	30.31	31.26	27.51
25	33.57	32.94	28.78	25.75	22.84	21.32	22.90	25.48	28.25	30.83	30.38	27.10
Eom	35.00	32.55	28.06	24.65	22.62	21.18	23.35	26.62	28.24	31.51	29.47	26.66

1962

5	22.60	22.50	21.30	.....	21.20	23.80	24.70	23.40	23.00	.....	23.90	21.10
10	23.40	21.40	21.00	20.90	.....	23.90	23.60	23.40	24.60	21.70	22.00	22.10
15	22.10	22.40	.....	20.80	.....	24.40	23.90	23.50	23.50	22.30	21.60	21.70
20	21.80	22.40	.....	21.10	.....	25.10	24.00	23.30	.....	.....	21.70	.....
25	21.20	21.40	.....	21.30	.....	24.70	.....	.....	24.10	22.90	21.20	.....
Eom	21.70	21.20	.....	21.30	.....	24.60	23.60	24.70	.....	23.30	21.50	.....

Medina County

Md-1. City of Lodi. Lat 41°01'46", long 82°01'06". Drilled unused water-table well in gravel, diam 6 in. depth 65 ft, cased to 65. Lsd 910 ft above msl. MP floor of instrument shelter, 1.90 ft above lsd. Highest water level 9.00 below lsd, Mar. 2, 1952; lowest 31.64 below lsd, Nov. 9, 1962. Records available: 1946-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	20.80	21.60	21.10	20.50	21.60	22.20	21.50	22.80	20.90	21.40	21.10
10	.....	21.20	21.00	.....	20.20	21.50	22.00	20.20	21.40	21.30	21.30	21.00
15	.....	21.00	21.20	20.70	.....	21.30	21.80	.....	21.50	21.40	21.20	21.40
20	21.00	21.50	.....	21.00	21.50	21.60	21.30	21.40	20.80	21.60	21.30	21.20
25	20.90	23.30	20.80	20.70	21.20	21.70	21.60	21.40	21.20	21.30	21.30	21.10
Eom	20.80	21.70	20.90	20.60	21.10	22.00	23.10	21.00	21.00	21.60	20.80	21.20

1959

5	21.20	.....	.....	19.90	20.50	21.70	21.00	.....	22.30	.....	20.90	21.10
10	21.20	.....	.....	20.50	20.10	22.20	22.60	.....	22.50	.....	21.40	20.90
15	21.10	.....	.....	20.70	20.30	21.70	22.10	.....	22.30	.....	20.90	20.70
20	21.20	.....	20.30	21.80	20.80	21.80	21.60	.....	22.00	.....	20.80	20.40
25	19.90	.....	20.10	20.90	21.00	22.00	21.90	.....	22.50	.....	20.90	20.60
Eom	20.30	.....	20.30	20.10	20.80	21.80	22.10	22.20	22.90	21.30	21.00	21.10

1960

5	21.10	20.70	20.60	20.40	21.50	.....	21.80	22.20	.....	22.40	22.40	22.20
10	20.90	20.10	20.60	20.20	21.00	22.20	21.70	22.60	.....	22.70	22.30	22.00
15	20.70	20.70	21.00	20.70	.....	22.00	21.80	23.00	.....	24.20	22.30	21.60
20	20.40	20.30	20.40	20.70	21.10	21.90	21.60	22.70	.....	23.80	21.50	22.40
25	20.50	21.40	20.90	21.10	.....	22.00	22.10	22.40	.....	23.00	21.90	22.40
Eom	21.20	20.70	20.80	20.90	.....	22.10	22.10	22.60	22.60	23.80	22.20	23.40

Md-1--Continued.

1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	23.10	22.40	20.50	.....	20.50	22.70	23.20	22.10	23.80	.....	22.90	23.00
10	23.10	22.70	.....	21.00	20.50	.....	23.60	22.30	22.80	.....	23.20	21.50
15	22.40	22.50	.....	20.80	20.80	.....	23.40	22.00	.....	.....	23.10	21.50
20	22.50	22.20	.....	20.70	21.00	.....	23.20	21.70	.....	.....	22.80	21.60
25	22.50	21.00	.....	20.10	22.10	.....	23.30	22.70	.....	22.60	22.30	21.50
Eom	22.30	20.20	.....	19.90	22.10	.....	22.60	22.80	.....	22.60	22.40	21.00

1962

5	26.36	24.77	23.22	20.17	18.85	20.20	24.48	27.60	30.61	30.68	31.25	28.30
10	26.22	24.66	22.67	19.91	18.71	20.38	23.57	28.00	30.55	30.01	31.61	28.50
15	26.27	24.43	22.00	19.65	18.55	21.92	23.05	28.35	31.00	29.46	30.22	28.83
20	26.11	24.34	21.31	19.51	19.49	22.95	24.49	28.30	29.60	29.45	29.56	.....
25	25.96	24.17	20.90	19.25	19.60	23.82	25.65	29.96	30.88	30.54	29.09	.....
Eom	25.27	23.68	20.42	19.01	19.72	24.75	26.45	30.73	31.03	30.57	28.66	27.88

Montgomery County

Mt-2. Dayton Power & Light Co. 118 East 4th St. Lat 39°45', long 84°11'. Drilled unused water-table well in gravel, diam 8 in, depth 57 ft, cased to 57. Lsd 740 ft above msl. MP floor of instrument shelter, 5.68 ft above lsd. Highest water level 20.97 below lsd, Mar. 25, 1943; lowest 44.13 below lsd, Sept. 8-10, 1960. Records available: 1942-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	33.55	33.40	33.40	33.60	33.60	29.05	30.30	30.90	31.65	31.55	31.90
10	33.80	33.45	33.15	33.35	33.00	33.95	29.65	30.35	31.05	31.45	31.55	31.75
15	33.70	33.60	33.25	33.10	32.75	33.10	29.95	30.70	31.05	31.05	32.05	31.55
20	33.65	33.70	33.15	33.35	33.00	31.00	30.35	30.60	31.55	30.90	32.25	31.85
25	33.75	33.65	33.25	33.75	.....	29.70	30.50	30.60	31.85	31.20	31.95	31.90
Eom	33.60	33.70	33.15	33.60	33.20	29.00	30.65	30.90	32.05	31.50	31.75	31.90

1959

5	31.75	27.75	26.65	27.60	29.30	32.10	34.70	37.30	40.25	40.05	38.25	37.50
10	32.00	27.55	26.55	28.10	29.85	32.60	35.50	37.40	40.20	40.40	37.80	37.60
15	32.10	26.80	26.55	28.05	30.25	32.95	35.85	.....	39.65	39.45	37.75	37.60
20	31.90	26.45	26.65	28.40	30.25	33.50	36.30	38.55	39.35	38.75	37.60	37.50
25	30.40	26.35	26.90	28.85	30.70	34.00	37.05	39.10	40.05	38.85	37.55	37.25
Eom	28.55	26.55	27.20	29.10	31.30	.....	37.15	.....	40.15	38.55	37.15	37.05

1960

5	36.65	36.23	35.32	35.10	36.90	38.58	40.01	42.28	43.44	43.12	42.40	41.19
10	36.72	35.95	35.22	35.10	36.77	39.15	40.53	42.60	44.13	42.78	41.93	41.36
15	36.97	35.38	35.12	35.38	36.88	39.52	41.10	42.73	43.53	43.19	41.71	41.11
20	36.27	35.43	35.17	35.48	37.90	39.38	41.24	43.15	43.22	42.84	41.80	41.08
25	35.84	35.25	35.35	36.02	38.28	40.04	41.31	43.48	43.32	42.28	41.40	40.88
Eom	36.10	35.12	35.47	36.64	38.00	40.35	41.57	43.79	43.79	42.08	41.34	40.80

1961

5	40.70	40.98	39.36	35.66	33.52	34.17	35.82	38.66	39.23	39.71	40.17	38.40
10	40.67	41.23	38.35	35.66	33.51	35.00	36.23	38.85	39.74	39.72	.....	37.98
15	40.87	44.24	37.34	35.66	33.46	35.18	36.93	38.73	40.11	40.28	39.52	37.97
20	41.05	40.92	.....	35.20	33.82	34.87	37.57	38.93	39.68	40.39	39.13	37.80
25	40.85	40.85	36.40	34.82	33.75	35.00	37.98	39.13	40.05	40.09	38.94	37.09
Eom	40.83	40.20	35.84	34.10	33.53	35.64	38.03	39.50	40.21	39.92	38.45	36.95

1962

5	36.84	34.35	33.58	32.07	34.78	38.37	40.63	40.61	42.30	42.05	40.82	39.82
10	36.42	34.47	33.54	32.20	35.05	39.13	41.32	41.58	41.95	41.82	40.96	39.38
15	35.77	34.54	32.93	32.31	35.81	39.37	41.79	41.67	42.60	41.92	40.62	39.49
20	35.77	34.60	32.27	32.78	36.75	39.82	42.23	41.65	42.50	42.34	40.12	39.77
25	35.55	34.74	32.05	33.19	37.97	40.10	41.94	42.44	41.80	41.68	39.64	39.01
Eom	34.91	34.53	32.13	33.97	37.97	41.01	41.06	42.75	41.82	41.15	39.87	38.77

Mt-3. State Highway Dept. Stewart St., Patterson Blvd., and Miami River. Lat 39°44', long 84°12'. Drilled unused water-table well in gravel, diam 6 in, depth 80 ft, cased to 80. Lsd 744 ft above msl. MP floor of instrument shelter, 1.20 ft above lsd. Highest water level 34.53 below lsd, Aug. 17, 1947; lowest 68.76 below lsd, Oct. 20, 1956. Records available: 1945-62. Water levels affected by pumping.

Mt-3--Continued.

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	53.99	56.55	56.65	59.25	58.55	57.80	50.05	47.92	48.97	49.96	52.09	52.28
10	55.65	56.21	56.50	59.18	57.77	57.63	50.57	46.50	49.78	51.10	51.54	51.59
15	55.86	56.87	57.72	58.68	57.28	50.95	50.14	47.05	49.27	50.62	52.84	51.55
20	56.02	56.56	57.75	59.46	57.00	50.02	50.55	46.32	50.30	50.25	52.70	52.61
25	57.00	55.92	57.80	59.94	57.47	49.82	51.60	46.68	50.51	51.52	52.05	52.07
Eom	56.98	56.77	58.00	59.53	57.65	49.25	51.12	47.82	50.12	51.65	51.40	52.15
1959												
5	50.22	48.38	.....	48.85	49.72	52.44	54.70	.....	59.00	60.29	60.77	60.30
10	51.85	48.32	47.62	50.16	50.42	53.05	56.19	.....	59.00	61.44	60.15	60.26
15	53.01	47.18	47.48	49.66	51.17	53.52	56.40	.....	58.95	61.13	60.25	59.91
20	52.39	47.25	48.22	49.66	50.74	54.68	56.50	55.46	59.27	60.74	60.32	60.17
25	49.27	.....	48.56	50.82	50.98	54.97	58.17	56.41	60.27	61.06	60.27	59.75
Eom	48.83	.....	48.41	50.04	.....	55.03	.....	57.47	60.34	61.09	59.30	59.38
1960												
5	57.97	60.22	58.92	59.00	61.15	62.80	63.62	65.30	66.01	67.50	66.95	65.95
10	58.69	59.55	58.83	59.25	61.12	63.60	64.35	65.22	66.31	67.13	66.54	66.56
15	59.99	58.73	58.45	60.09	61.49	63.57	65.10	64.95	66.52	67.37	66.27	66.32
20	59.05	59.43	58.69	59.90	62.51	63.30	65.01	65.02	66.51	67.14	66.52	66.20
25	58.49	59.11	59.11	59.77	62.53	64.23	65.29	65.49	67.00	66.62	66.25	66.40
Eom	59.67	58.43	59.27	60.85	62.00	64.32	65.99	65.95	67.40	66.51	65.95	65.59
1961												
5	64.73	.....	67.34	63.70	61.16	60.71	62.00	.....	.....	65.06	65.56	64.12
10	65.20	67.00	65.64	63.63	60.46	61.47	62.25	.....	.....	65.04	65.23	64.16
15	65.92	67.14	64.60	63.35	60.45	61.60	63.33	.....	.....	65.67	64.96	64.20
20	66.64	67.52	64.45	62.98	61.53	61.32	63.81	.....	64.16	65.82	64.82	63.97
25	.....	68.22	63.78	61.99	61.30	62.05	63.77	.....	64.48	65.51	64.50	63.36
Eom	66.80	67.20	63.79	60.87	60.45	62.65	63.77	62.98	65.18	65.39	64.00	62.59
1962												
5	62.30	60.73	59.41	58.64	58.10	60.29	63.81	66.13	.....	67.02	67.30	66.78
10	61.70	61.32	59.95	57.94	58.17	61.26	64.28	65.56	.....	66.85	67.45	66.75
15	61.47	61.30	58.15	57.55	58.05	62.22	65.14	65.13	.....	66.79	67.09	67.04
20	61.88	61.30	58.04	57.61	58.56	62.36	65.89	65.06	.....	67.40	66.75	66.97
25	61.85	61.39	58.02	57.36	59.25	62.76	65.72	.....	66.50	67.44	66.61	66.37
Eom	60.83	60.54	59.00	57.18	59.22	63.98	65.72	.....	66.89	67.34	66.95	65.56
Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.84	16.96	17.34	17.79	16.51	16.06	13.22	12.12	13.94	15.30	16.42	16.87
10	16.93	17.10	17.42	17.57	15.69	16.11	13.36	12.43	14.24	15.48	16.54	16.90
15	17.03	17.23	17.55	17.35	15.52	.....	13.51	12.76	14.50	15.66	16.66	16.99
20	17.17	17.39	17.69	17.34	15.60	.....	13.77	13.06	14.65	15.86	16.66	17.10
25	16.89	17.40	17.72	17.33	15.65	.....	13.29	13.06	14.90	16.05	16.75	17.16
Eom	16.86	17.36	17.72	17.02	15.87	12.80	13.25	13.65	15.10	16.28	16.81	17.24
1959												
5	17.13	12.69	13.20	13.85	14.67	15.64	16.42	17.35	18.31	19.10	19.53	19.73
10	17.27	13.00	13.27	14.10	14.89	15.83	16.66	17.50	18.45	19.18	19.56	19.75
15	17.28	12.03	13.23	14.31	14.88	15.95	16.89	17.67	18.60	19.26	19.61	19.47
20	17.17	12.36	13.24	14.55	15.08	16.22	17.07	17.83	18.75	19.32	19.61	19.47
25	11.50	12.69	13.53	14.75	15.24	16.17	17.27	17.99	18.92	19.40	19.68	19.52
Eom	12.15	12.90	13.74	14.44	15.38	16.31	17.40	18.17	19.02	19.50	19.69	19.44
1960												
5	19.40	19.00	18.61	18.63	19.36	19.47	19.90	20.27	20.88	21.40	21.37	21.01
10	19.46	18.62	18.72	18.73	19.42	19.64	20.01	20.34	20.98	21.42	21.28	20.96
15	19.18	18.30	18.83	18.88	19.50	19.66	19.84	20.42	21.08	21.47	21.23	20.94
20	18.94	18.34	18.87	18.97	19.59	19.66	19.86	20.56	21.17	21.46	21.23	20.97
25	18.99	18.41	18.90	19.10	19.64	19.75	19.97	20.67	21.25	21.42	21.14	20.97
Eom	18.99	18.51	18.65	19.25	19.39	19.88	20.14	20.80	21.33	21.37	21.05	20.96
1961												
5	20.98	20.94	19.67	17.33	15.77	15.78	16.37	17.29	17.97	19.02	19.78	19.86
10	20.96	20.98	18.56	17.44	15.10	15.43	16.59	17.55	18.13	19.19	19.86	19.70
15	20.94	20.94	18.27	16.99	14.83	15.40	16.87	17.40	18.40	19.37	19.92	19.78
20	20.86	20.80	17.95	16.86	14.98	15.54	17.11	17.71	18.60	19.52	19.92	19.64
25	20.87	20.68	17.65	16.57	15.20	15.81	16.96	17.80	18.77	19.61	19.78	19.56
Eom	20.90	20.00	17.31	15.62	15.54	16.15	17.14	18.06	18.91	19.70	19.87	19.69

Mt-49. E. F. Stenger. Lat 39°40'20", long 84°16'30". Drilled unused water-table well in gravel, diam 6 in, depth 220 ft, cased to 220. Lsd 715 ft above msl. MP floor of instrument shelter, 2.50 ft above lsd. Highest water level 10.52 below lsd, Jan. 22, 1959; lowest 21.82 below lsd, Dec. 24, 1954. Records available: 1947-62.

Mt-49--Continued.

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.76	17.97	16.84	16.71	17.98	18.47	19.58	20.05	20.75	21.19	21.56	21.58
10	19.26	18.26	16.76	16.93	18.10	18.69	19.74	20.22	20.89	21.23	21.54	21.61
15	19.43	18.45	16.25	17.18	18.36	18.87	19.79	20.37	20.95	21.29	21.46	21.70
20	18.89	18.65	16.46	17.43	18.60	19.11	19.77	20.54	21.07	21.36	21.36	21.74
25	18.43	18.55	16.22	17.62	18.79	19.34	19.62	20.73	21.13	21.45	21.45	21.75
Eom	17.82	16.93	16.52	17.87	18.31	19.57	19.88	20.80	21.21	21.54	21.56	21.78

Muskingum County

Mu-1a. City of Zanesville. Lat 39°57'15", long 81°59'30". Drilled unused water-table well in gravel, diam 6 in, depth 135 ft, cased to 135. Lsd 690 ft above msl. MP floor of instrument shelter, 4.48 ft above lsd (previously reported 2.50 ft above lsd). Highest water level 11.40 below lsd, Mar. 29, 1945; lowest 37.25 below lsd, Aug. 1-2, 1954. Records available: 1942-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	29.75	31.10	33.05	33.50	29.00	27.70	28.60	25.45	26.55	27.35	27.35	29.75
10	30.75	31.30	32.45	33.00	28.55	28.65	28.10	24.45	26.20	28.70	27.00	30.50
15	31.05	32.35	33.30	32.50	25.40	27.05	27.15	25.60	26.95	30.05	27.80	30.00
20	30.85	33.40	33.10	31.80	25.95	28.30	26.55	25.50	26.95	30.85	27.60	32.10
25	31.75	34.05	33.25	32.05	27.00	28.20	25.90	25.25	27.05	31.65	27.90	33.15
Eom	31.05	34.00	32.75	31.30	27.30	27.70	26.55	24.75	27.15	30.35	27.25	34.45

1959

5	34.85	29.45	20.80	21.90	20.80	23.50	23.45	25.40	28.60	28.50	27.05	25.10
10	35.50	29.10	21.15	21.45	22.05	24.20	23.80	25.40	28.40	27.50	27.65	24.80
15	35.95	26.35	21.35	22.00	22.35	23.80	24.00	26.60	28.25	27.40	27.85	24.10
20	35.95	23.90	21.30	22.35	22.45	23.45	24.10	27.35	28.30	26.40	25.20	22.95
25	33.60	21.45	22.00	22.65	22.15	23.45	24.30	28.20	28.60	26.10	27.45	24.05
Eom	31.40	20.30	22.10	22.05	23.20	23.80	24.95	27.70	28.90	26.80	25.55	24.65

1960

5	24.50	24.50	24.80	26.30	27.10	27.05	26.05	26.60	27.30	26.35	27.45	25.05
10	24.25	25.00	25.45	25.35	26.95	27.50	26.10	26.75	27.40	26.00	25.70	25.15
15	24.70	23.80	26.85	25.05	25.05	27.70	26.65	26.90	27.05	26.05	27.10	25.90
20	23.35	24.00	26.85	25.40	26.70	27.05	26.50	27.60	26.90	25.80	24.35	26.90
25	23.40	24.40	27.60	26.10	26.95	27.20	26.75	27.85	26.40	25.55	24.30	27.25
Eom	24.40	24.70	27.40	26.60	26.45	26.80	26.80	27.75	26.25	25.25	24.80	27.10

1961

5	27.60	29.40	28.80	20.20	17.85	19.53	20.60	21.15	22.10	22.35	22.85	21.40
10	27.60	30.40	25.30	20.70	16.50	20.10	20.85	21.00	21.65	22.55	22.60	21.15
15	28.10	30.90	21.30	19.40	16.05	20.40	21.40	21.40	22.55	22.25	22.60	21.95
20	27.65	30.75	20.15	18.25	17.45	20.10	21.80	21.80	21.90	22.75	22.95	22.45
25	28.15	30.15	20.40	17.40	19.00	19.70	21.35	22.25	22.25	22.75	22.70	21.60
Eom	28.95	30.00	20.45	17.20	18.90	20.75	21.30	22.35	22.15	22.55	22.05	21.95

1962

5	22.60	22.00	17.80	17.25	19.80	19.85	20.35	21.30	20.85	19.30	18.35	20.35
10	22.35	21.95	18.95	18.35	19.50	19.95	20.05	21.55	19.95	19.00	18.50	20.10
15	22.00	22.80	17.60	17.10	20.50	19.70	20.20	22.05	20.10	18.40	17.85	20.80
20	22.10	23.60	17.35	18.45	20.60	19.75	20.70	21.85	20.00	19.25	17.60	20.95
25	22.85	23.00	16.30	18.90	20.45	20.05	20.35	23.00	19.50	18.25	17.75	21.00
Eom	21.35	21.90	17.70	19.00	19.10	21.00	21.40	22.90	.....	18.55	19.35	21.25

Mu-2. State of Ohio. Zanesville. Lat 39°57'00", long 82°01'30". Drilled test water-table well in gravel, diam 6 in, depth 53 ft, cased to 53. Lsd 690 ft above msl. MP floor of instrument shelter, 4.10 ft above lsd. Highest water level 0.00, Jan. 27, 1952 (water level higher but could not be recorded during January 1959 flood); lowest 9.03 below lsd, Sept. 28-Oct. 3, 1954. Records available: 1947-60. Measurement discontinued Aug. 17, 1960. Replaced by well Mu-2a but water levels do not correlate.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.49	7.67	7.63	7.62	5.22	7.71	7.50	6.28	7.58	7.81	8.06	7.99
10	7.75	7.84	7.77	7.57	5.84	7.65	6.55	6.66	7.56	7.88	8.10	7.92
15	7.96	7.94	7.87	7.22	6.48	6.51	6.11	7.01	7.76	7.96	8.10	7.96
20	8.01	8.09	7.84	7.54	7.08	6.40	6.42	7.29	7.77	8.00	8.05	8.00
25	7.42	7.97	7.88	7.70	7.32	6.98	5.68	7.12	7.57	8.02	8.10	8.01
Eom	7.44	7.80	7.43	6.71	7.57	7.15	6.62	7.43	7.62	8.06	8.09	8.01

Mu-2--Continued.

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	5.04	5.90	6.52	6.78	7.57	7.99	8.25	8.55	8.57	8.26	7.76
10	....	5.46	6.18	6.93	6.97	7.77	8.14	8.35	8.59	8.31	8.23	7.73
15	....	4.28	6.21	7.12	7.14	7.74	8.19	8.45	8.60	8.47	8.32	6.81
20	....	4.82	6.33	7.20	7.31	7.89	8.22	8.45	8.67	8.55	8.20	7.42
25	....	5.07	6.72	7.37	7.43	7.92	8.22	8.52	8.69	8.37	8.26	7.73
Eom	4.64	5.50	6.90	6.75	7.46	7.90	8.19	8.49	8.68	8.47	7.79	7.46
1960												
5	7.26	7.40	8.18	7.13	8.11	8.06	8.34	8.53	....	....	....	....
10	7.58	6.62	8.29	7.24	7.97	8.23	8.49	8.62	....	....	....	....
15	6.79	6.36	8.35	7.67	7.92	7.94	8.28	8.72	....	....	....	....
20	6.52	6.95	8.23	7.85	8.06	8.23	8.50	....	....	....	....	....
25	7.17	7.17	8.06	7.98	7.97	8.32	8.59	....	....	....	....	....
Eom	7.21	7.40	6.89	8.09	7.74	8.33	8.60	....	....	....	....	....

Mu-2a. State of Ohio. Lat 39°57'00", long 82°01'30". 300 ft from Licking River. Drilled unused artesian well in gravel, diam 8 in, depth 36 ft. Lsd 690 ft above msl. MP floor of instrument shelter, 7.14 ft above lsd. Highest water level 10.82 below lsd, Mar. 1, 1962; lowest 16.60 below lsd, Dec. 27, 28, 1960. Records available: 1960-62. This well replaces well Mu-2 in the same area but water levels do not correlate.

Lowest water level for the day, from recorder graph, 1960

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	13.56	15.17	15.23	15.53	15.94	16.30	16.33	16.06	16.44
10	.....	.....	.....	13.85	15.05	15.43	15.70	15.97	16.51	16.38	15.92	16.51
15	.....	.....	.....	14.59	14.95	14.74	15.49	.....	16.41	16.38	16.15	16.42
20	.....	.....	.....	14.80	15.17	15.43	15.80	.....	16.47	16.38	16.26	16.38
25	.....	.....	14.89	15.00	15.03	15.52	15.89	.....	16.46	16.38	16.31	16.56
Eom	.....	.....	12.95	15.13	14.64	15.57	15.90	.....	16.39	16.36	16.21	16.28
1961												
5	16.25	16.36	13.32	13.86	.....	14.39	15.62	13.63	16.05	16.19	15.91	15.97
10	16.27	16.36	10.90	14.24	.....	13.93	15.64	14.96	16.10	16.23	16.32	15.38
15	16.25	16.10	12.78	13.30	13.25	14.40	15.54	15.49	16.17	16.24	15.89	15.68
20	16.11	14.13	14.05	12.60	14.06	15.04	15.51	15.51	16.19	16.24	15.83	15.06
25	16.26	14.64	.....	12.27	14.53	15.22	15.69	15.80	16.22	16.26	15.08	15.30
Eom	16.17	13.56	14.37	13.20	14.88	15.49	14.78	15.97	16.25	15.90	15.80	15.57
1962												
5	15.59	14.95	12.52	.....	15.05	15.51	15.86	16.17	16.15	.....	16.28	15.86
10	14.83	15.03	13.36	.....	15.13	15.53	.....	16.20	16.26	.....	16.06	15.74
15	15.26	15.26	11.62	.....	15.33	15.60	.....	16.23	16.31	.....	15.68	15.66
20	15.24	14.90	.....	14.51	15.54	15.71	.....	16.28	16.13	.....	15.28	15.85
25	14.75	12.25	.....	14.76	15.32	15.84	.....	16.28	16.29	.....	15.77	15.62
Eom	14.46	10.95	.....	15.06	15.40	15.91	.....	16.38	16.25	16.23	15.83	.....

Portage County

Po-1. Edward Tiddle. Lat 41°14'06", long 81°02'48". Drilled unused artesian well in sandstone, diam 6 in, depth 55 ft. Lsd 975 ft above msl. MP floor of instrument shelter, 0.60 ft above lsd. Highest water level 14.49 below lsd, June 13, 1947; lowest 23.08 below lsd, Feb. 22, 1954. Records available: 1946-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	20.37	20.17	20.14	19.82	19.53	19.25	19.36	18.61	18.50	18.64	18.94	19.02
10	20.27	20.13	20.04	19.84	19.43	19.24	19.30	18.54	18.54	18.61	19.12	19.10
15	20.24	20.14	19.98	19.75	19.36	19.25	19.15	18.53	18.52	18.69	19.20	19.07
20	20.29	20.24	19.94	19.75	19.29	19.32	18.90	18.53	18.55	18.77	19.16	19.06
25	20.18	20.19	19.93	19.81	19.28	19.33	18.70	18.47	18.53	18.82	19.18	19.14
Eom	20.15	20.10	19.88	19.69	19.26	19.33	18.66	18.45	18.54	18.87	19.22	19.15
1959												
5	19.08	18.73	18.33	17.80	17.51	17.71	18.32	18.80	19.41	19.72	19.70	19.41
10	19.00	18.50	18.24	17.79	17.45	17.82	18.55	18.83	19.47	19.74	19.67	19.38
15	18.91	18.55	18.09	17.70	17.51	17.95	18.59	18.98	19.51	19.77	19.72	19.21
20	18.98	18.50	17.98	17.68	17.57	18.03	18.62	19.10	19.61	19.73	19.59	19.17
25	18.77	18.43	17.96	17.69	17.65	18.16	18.70	19.23	19.68	19.73	19.55	19.07
Eom	18.81	18.34	17.84	17.54	17.65	18.29	18.76	19.32	19.76	19.73	19.46	18.83

Po-1--Continued.

1960												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.69	18.19	18.05	17.76	17.89	17.77	18.16	18.52	18.75	19.45	19.92	20.29
10	18.54	18.04	18.05	17.85	17.83	17.85	18.21	18.49	18.88	19.55	20.02	20.36
15	18.43	18.12	18.07	17.74	17.81	17.82	18.34	18.54	19.07	19.60	20.03	20.33
20	18.43	18.11	18.08	17.80	17.80	17.91	18.39	18.55	19.20	19.70	20.12	20.49
25	18.32	17.99	18.17	17.70	17.83	18.00	18.40	18.65	19.30	19.77	20.15	20.54
Eom	18.25	18.06	17.95	17.78	17.78	18.10	18.52	18.66	19.42	19.81	20.26	20.58

DOM	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
	1961											
5	20.68	20.96	20.63	19.86	18.79	17.91	18.00	18.31	19.23	19.68	20.00	19.91
10	20.74	20.94	20.55	19.71	18.54	17.92	18.06	18.54	19.35	19.76	20.02	20.05
15	20.72	21.00	20.34	19.57	18.33	17.91	18.10	18.67	19.45	19.79	20.04	20.02
20	20.76	20.92	20.31	19.50	17.98	17.83	18.12	18.84	19.44	19.85	20.04	19.91
25	20.92	20.76	20.15	19.23	17.91	17.89	18.19	18.96	19.55	19.89	20.01	19.86
Eom	20.88	20.74	20.03	19.06	17.98	17.95	18.25	19.14	19.63	19.87	19.96	19.85

DOM	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
	1962												
5	19.83	19.63	19.40	18.97	18.41	18.57	19.16	19.61	20.16	20.49	20.67	20.91	
10	19.88	19.69	19.43	18.76	18.42	18.64	19.26	19.73	20.18	20.58	20.63	21.01	
15	19.79	19.65	19.32	18.56	18.45	18.73	19.36	19.79	20.27	20.61	20.65	21.02	
20	19.76	19.65	19.28	18.52	18.44	18.83	19.42	19.90	20.37	20.63	20.64	21.11	
25	19.72	19.63	19.18	18.40	18.63	18.99	19.47	19.95	20.39	20.72	20.68	21.11	
Eom	19.70	19.50	19.10	18.43	18.58	19.12	19.53	20.03	20.47	20.76	20.65	21.12	

Po-3. U. S. Army Engineer Corps. Ravenna Ordnance Plant. Lat 41°11', long 81°02'. Drilled unused artesian well in sandstone, diam 12 in, depth 172 ft. Lsd 980 ft above msl. MP floor of instrument shelter, 2.80 ft above lsd. Highest water level 20.15 below lsd, Feb. 5, 8, 1960; lowest 41.35 below lsd, Jan. 28, Feb. 6, 1954. Records available: 1950-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.80	30.25	30.40	28.40	29.20	29.40	28.20	28.30	28.80	29.20	29.50	29.25
10	30.90	30.55	.....	29.45	28.95	29.25	29.30	28.75	28.75	28.00	28.40	29.65
15	30.80	.....	30.05	29.60	29.15	29.35	29.15	28.45	29.05	29.25	28.70	29.50
20	31.10	.....	29.95	29.25	29.30	28.20	28.20	28.75	29.10	28.30	29.30	29.65
25	30.50	30.50	29.25	29.50	29.15	29.40	27.75	28.75	28.90	29.40	30.05	28.60
Eom	30.05	28.90	29.75	29.15	29.30	28.05	.....	28.55	29.10	29.85	29.60	28.55

Com	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
5	28.40	29.30	28.45	25.25	24.10	24.75	.....	23.95	23.90	23.85	.....	22.10
10	29.20	28.75	28.40	25.05	25.05	25.45	25.60	23.85	23.80	23.80	23.10	22.25
15	28.65	28.15	27.45	24.60	24.05	25.50	24.65	23.90	.....	23.70	23.40	22.10
20	29.20	29.05	28.00	25.55	24.50	24.50	25.60	23.90	24.20	23.60	22.80	22.00
25	29.35	28.00	26.40	24.30	.....	24.45	24.55	23.85	23.95	22.75	.....	21.95
Eom	29.75	28.25	25.70	24.15	25.35	.....	24.15	23.55	23.85	.....	22.45	21.65

1960												
5	21.45	20.15	20.85	20.50	20.75	20.50	20.96	21.79	22.25	23.29	24.00	24.80
10	21.30	20.30	21.35	20.90	21.50	20.75	21.01	21.78	22.55	23.35	24.29	24.74
15	20.80	20.95	21.35	20.50	22.05	20.35	21.24	22.07	22.70	23.52	24.10	24.40
20	21.05	21.00	20.85	20.75	21.00	20.70	21.40	21.86	.....	.....	24.27	24.99
25	21.20	20.75	21.20	20.25	20.70	20.85	21.49	.....	.....	23.73	24.56	24.98
Eom	21.10	20.90	20.60	20.60	20.70	20.75	21.64	22.28	23.19	23.64	24.61	24.75

1961												
5	24.97	25.71	24.94	23.21	22.55	21.83	22.06	22.55	23.35	24.00	24.76	24.50
10	25.35	25.14	24.83	23.10	22.25	21.74	22.18	22.81	23.48	24.20	24.60	24.83
15	24.75	25.51	24.17	22.73	21.84	22.04	22.12	23.07	23.62	24.15	24.80	25.10
20	24.92	25.72	24.56	23.18	22.05	21.62	22.15	22.97	23.59	24.10	25.65	24.62
25	25.78	24.80	24.11	22.19	21.70	21.86	22.35	23.12	23.59	24.28	25.10	24.55
Eom	25.43	25.34	23.60	22.43	22.00	22.00	22.57	23.20	23.90	24.22	24.89	24.66

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
	1962											
5	24.57	24.04	25.30	24.40	22.89	24.13	23.40	23.73	24.53	24.89	25.48	25.92
10	25.01	24.82	25.12	23.74	22.89	23.45	23.52	23.97	24.47	25.15	25.68	25.92
15	24.35	24.51	24.90	23.47	22.90	23.35	23.44	24.10	25.07	25.23	25.68	25.92
20	24.70	24.48	24.40	23.45	22.65	23.28	23.71	23.99	25.07	25.13	25.69	25.78
25	24.31	26.71	24.54	23.06	22.65	23.39	23.58	24.24	24.72	25.38	25.69	25.88
Eom	24.41	26.53	24.37	22.82	22.78	23.42	23.71	24.30	25.05	25.12	25.69	25.55

Po-4. U. S. Army Engineer Corps. Ravenna Ordnance Plant. Lat 41°11', long 81°06'. Drilled unused artesian well in sandstone, diam 12 in, depth 225 ft. Lsd 1,140 ft above msl. MP floor of instrument platform, 2.50 ft above lsd. Highest water level 23.78 below lsd, June 3, 1960; lowest 35.35 below lsd, Feb. 17, 1954. Records available: 1950-62. Water levels affected by pumping.

Po-4--Continued.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	29.85	29.30	29.30	28.15	27.30	27.15	27.70	26.35	26.85	27.65	28.00	27.85
10	29.45	29.15	28.85	28.45	26.55	27.20	27.85	26.05	26.85	27.50	28.40	28.05
15	29.35	29.10	28.60	28.00	26.25	27.45	27.30	25.95	26.90	27.65	28.35	27.75
20	29.50	.....	28.50	27.75	26.40	27.55	26.85	26.30	27.30	27.75	28.20	27.85
25	29.30	29.55	28.65	28.20	26.65	27.70	26.65	26.40	27.10	27.85	28.30	28.00
Eom	29.15	29.10	28.35	27.95	26.80	27.80	26.70	26.40	27.30	28.05	28.45	28.00

1959

5	27.85	26.80	.....	24.75	24.75	24.90	.....	26.20	27.15	27.85	27.15	25.85
10	27.55	26.55	25.65	24.90	24.65	25.15	25.45	26.35	27.25	27.85	26.95	26.05
15	27.00	26.60	25.35	24.85	24.95	25.45	25.65	26.45	27.10	27.70	27.00	25.70
20	27.40	26.45	25.25	25.05	25.30	.....	25.55	26.60	27.55	27.70	.....	25.60
25	27.05	26.30	25.15	25.40	25.60	.....	25.85	26.80	27.60	27.40	.....	25.60
Eom	27.25	25.85	24.75	25.05	25.25	.....	25.95	26.80	27.80	27.55	26.30	25.65

1960

5	25.30	24.61	25.17	24.33	24.97	23.93	25.74	26.97	.....	26.32	28.85	29.40
10	25.15	24.08	25.24	24.43	24.43	24.38	25.80	26.90	.....	26.50	29.09	29.49
15	24.85	24.63	25.55	24.17	24.13	24.49	26.27	27.05	.....	26.52	28.96	29.36
20	24.85	24.65	25.48	24.54	23.97	24.88	26.50	26.95	28.04	26.15	29.18	29.69
25	24.75	24.59	25.84	24.23	24.03	25.26	26.40	27.37	28.10	26.77	29.22	29.75
Eom	24.73	24.88	25.03	24.59	24.04	25.38	26.68	.....	28.33	26.64	29.45	29.72

1961

5	29.85	30.36	29.74	27.56	25.78	26.07	26.25	27.07	27.96	26.66	29.24	29.07
10	29.96	30.30	29.57	27.08	25.68	26.05	26.52	27.35	28.15	28.76	29.25	29.17
15	29.83	30.44	28.67	26.65	25.15	26.00	26.60	27.49	28.30	28.78	.....	29.38
20	29.90	30.47	28.89	26.82	25.49	25.44	26.78	27.50	28.18	28.96	29.30	29.05
25	30.36	29.86	28.35	25.55	25.47	25.70	27.01	27.62	28.31	28.97	29.45	28.99
Eom	30.13	30.15	28.00	25.60	26.11	25.91	27.02	27.85	28.55	28.90	29.20	29.05

1962

5	29.05	28.65	28.21	27.16	26.12	26.85	27.65	28.21	28.99	29.49	29.95	29.53
10	29.29	28.83	28.31	26.62	26.25	27.03	27.82	28.47	28.95	29.63	29.95	30.01
15	28.96	28.70	28.30	26.43	26.50	27.30	27.80	28.56	29.19	29.66	29.80	30.01
20	28.90	27.77	27.64	26.31	26.25	27.37	27.95	28.56	29.32	29.57	29.64	30.02
25	28.80	28.94	27.66	26.02	26.63	27.52	28.01	28.71	29.35	29.78	29.88	29.85
Eom	28.85	28.80	27.21	25.87	26.77	27.62	28.15	28.75	29.47	29.68	29.82	29.88

Richland County

R-2. City of Lexington. Lat 40°40'42", long 82°34'40". Drilled unused artesian well in sandstone, diam 6 in, depth 129 ft. Lsd 1, 160 ft above msl. MP top of instrument platform, 4.00 ft below lsd. Highest water level 22.12 below lsd, June 8, 1947; lowest 28.24 below lsd, Dec. 3, 1952. Records available: 1946-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.18	26.23	26.26	26.53	25.43	26.29	26.55	25.61	25.95	26.52	26.79	26.76
10	25.56	26.40	26.29	26.40	25.04	26.39	26.48	25.43	26.08	26.58	26.80	26.73
15	25.83	26.53	26.43	26.13	25.24	26.25	26.20	25.65	26.23	26.66	26.78	26.76
20	26.10	26.68	26.51	26.18	25.59	26.33	26.23	25.80	26.32	26.71	26.76	26.80
25	26.01	26.51	26.58	26.17	25.87	26.41	26.31	25.68	26.40	26.74	26.77	26.81
Eom	26.05	26.36	26.49	25.96	26.13	26.42	26.17	25.78	26.44	26.77	26.76	26.82

1959

5	26.67	24.32	24.88	25.36	24.91	25.79	26.33	26.75	26.95	27.22	26.88	26.52
10	26.65	24.67	24.83	25.46	25.18	25.99	26.42	26.80	27.01	27.10	26.79	26.44
15	26.67	23.54	24.93	25.66	25.26	26.11	26.56	26.87	27.07	27.05	26.72	25.79
20	26.44	24.12	24.82	25.82	25.52	26.26	26.58	26.95	27.14	27.04	26.65	25.67
25	22.61	24.54	25.09	25.96	25.71	26.35	26.67	27.00	27.18	26.99	26.63	25.83
Eom	23.74	24.74	25.32	25.16	25.66	26.36	26.74	27.07	27.24	26.94	26.57	25.93

1960

5	25.97	25.68	25.83	25.34	26.00	26.27	26.49	26.90	26.90	27.26	27.30	27.25
10	26.08	25.49	26.01	25.30	26.08	26.38	26.57	26.88	26.95	27.29	27.24	27.37
15	25.79	24.93	26.15	25.50	25.97	26.32	26.67	26.89	27.09	27.32	27.21	27.35
20	25.41	25.18	26.24	25.65	26.20	26.33	26.74	26.88	27.14	27.32	27.19	27.31
25	25.54	25.43	26.31	25.84	26.26	26.33	26.83	26.88	27.16	27.32	27.12	27.30
Eom	25.59	25.64	25.68	25.98	26.33	26.43	26.88	26.89	27.23	27.31	27.21	27.36

R-2-- Continued.

1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.34	27.16	25.42	25.09	24.52	25.86	26.34	24.55	25.72	26.13	26.49	26.16
10	27.32	27.11	24.58	25.25	24.81	25.86	26.45	24.82	25.68	26.22	26.51	26.01
15	27.42	27.05	24.46	25.07	25.08	25.92	26.53	25.15	25.81	26.28	26.54	25.98
20	27.35	26.77	24.67	24.80	25.33	26.04	26.10	25.45	25.93	26.36	26.43	25.97
25	27.38	26.58	24.65	24.17	25.53	26.11	25.77	25.67	26.04	26.41	26.26	25.91
Eom	27.38	26.07	24.90	24.06	25.76	26.25	25.43	25.90	26.04	26.45	26.19	25.96

1962

5	26.00	25.04	25.02	25.11	25.86	26.34	26.78	27.12	27.22	26.93	27.00	26.68
10	25.63	25.24	25.18	25.24	25.95	26.41	26.86	27.06	27.20	26.91	26.97	26.67
15	25.60	25.43	24.83	25.36	26.03	26.47	26.90	27.11	27.05	26.90	26.72	26.68
20	25.44	25.57	25.00	25.51	26.11	26.58	27.01	27.16	27.04	26.92	26.67	26.67
25	25.12	25.52	24.82	25.63	26.20	26.67	27.00	27.22	27.09	26.95	26.66	26.62
Eom	24.89	24.82	25.01	25.78	26.26	26.77	27.07	27.26	27.04	26.97	26.67	26.62

R-4. City of Mansfield. Lat 40°45'30", long 82°31'00". Drilled unused artesian well in gravel, diam 14 in, depth 127 ft. Lsd 1,150 ft above msl. MP top of instrument shelter, 4.70 ft above lsd. Highest water level 28.70 below lsd, May 31, 1949; lowest 60.10 below lsd, Oct. 12, 13, 19, 20, 1962. Records available: 1942-47, 1949-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	46.10	51.70	.....	50.45	48.25	50.50	43.90	47.75	49.15	47.00	52.10	56.50
10	51.25	48.65	48.80	51.20	51.25	50.60	49.55	47.85	49.70	51.05	50.00	56.20
15	50.95	52.75	52.05	50.05	50.95	47.40	49.10	50.30	46.90	50.55	53.50	54.00
20	47.95	.....	50.80	47.15	49.70	51.80	46.60	48.70	50.25	47.60	53.80	56.75
25	51.95	.....	49.25	51.45	50.25	51.80	50.40	47.00	50.40	51.00	54.65	56.00
Eom	52.05	.....	47.30	50.50	46.90	45.70	49.15	46.00	49.30	52.25	51.90	48.10

1959

5	49.10	52.60	53.25	52.85	53.20	53.95	46.20	55.35	58.85	55.00	56.70	55.40
10	53.45	50.40	52.35	53.90	53.30	56.45	55.95	54.35	56.25	57.55	55.20	56.45
15	53.15	51.80	52.85	54.00	54.30	51.40	56.00	55.85	55.30	56.40	56.10	55.55
20	52.10	53.65	53.55	54.90	53.95	56.65	54.60	57.75	56.25	55.30	56.60	56.05
25	48.85	52.75	53.50	55.10	52.60	56.45	57.35	56.90	56.00	55.50	56.25	55.85
Eom	52.95	53.55	52.05	54.40	49.90	49.05	55.90	55.70	56.75	57.05	51.90	55.10

1960

5	53.40	55.40	55.30	55.05	56.60	54.85	47.20	53.75	49.00	58.30	60.05	51.80
10	54.45	54.95	55.15	54.90	55.25	56.30	46.70	52.70	54.25	54.90	58.60	55.15
15	55.35	54.00	54.95	56.15	54.70	55.25	51.05	49.50	54.80	59.35	55.20	54.90
20	55.10	55.50	54.70	55.25	56.90	54.30	50.80	54.50	56.65	58.00	55.30	54.35
25	53.70	54.85	55.90	54.20	56.15	55.70	49.80	55.35	55.40	57.10	54.30	53.15
Eom	54.00	53.90	55.65	56.50	54.00	55.45	49.80	55.00	58.60	55.10	54.45	54.35

1961

5	51.25	53.10	53.15	54.05	54.55	49.80	47.85	54.60	49.70	54.60	52.15	54.90
10	53.00	55.20	56.05	51.20	53.45	54.15	48.35	53.35	52.35	52.55	54.70	54.45
15	52.20	55.00	53.65	54.30	49.00	54.70	54.80	53.50	55.25	53.00	53.95	55.80
20	56.05	52.35	53.95	54.50	54.10	53.55	54.45	52.85	54.20	54.80	53.20	55.20
25	55.25	57.70	56.05	52.70	53.70	52.20	51.80	55.40	50.90	54.20	51.05	50.25
Eom	53.80	55.85	55.00	51.90	50.00	55.05	49.80	55.45	54.90	53.75	55.10	51.50

1962

5	49.60	50.60	51.60	54.60	54.50	56.25	49.80	53.40	53.70	59.60	55.50	57.15
10	53.15	54.70	54.55	54.15	55.00	55.50	54.55	57.55	55.10	.....	59.50	53.60
15	50.50	54.80	54.40	52.10	55.60	59.50	53.60	57.95	59.05	66.15	59.15	57.35
20	54.40	51.85	52.70	54.75	57.50	58.50	58.00	54.45	59.20	50.10	57.30	57.85
25	53.20	51.70	52.30	53.35	59.65	56.15	56.75	59.05	57.25	59.45	51.20	54.70
Eom	54.00	53.50	54.65	50.20	54.60	59.65	55.55	59.60	55.10	59.00	57.55	49.15

Ross County

Ro-3. Mead Paper Corp. Hickory St. and Baltimore & Ohio RR. tracks. Chillicothe. Lat 39°20', long 82°58'. Drilled unused water-table well in gravel, diam 30 in, depth 91 ft, cased to 91. Lsd 615 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 17.20 below lsd, Mar. 21, 1943; lowest 42.92 below lsd, Dec. 24, 1949. Records available: 1941-62. Water levels affected by pumping.

Ro-3--Continued.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	35.67	35.18	36.15	36.87	34.93	33.25	32.08	30.67	31.06	33.51	36.05	.....
10	35.65	35.28	36.50	36.50	34.32	33.40	30.44	30.14	31.52	33.99	36.33	.....
15	35.72	35.29	36.67	35.24	33.83	33.63	30.24	30.06	32.03	34.48	36.59	.....
20	35.92	35.51	36.65	35.03	33.73	33.18	30.72	30.20	32.40	34.92	36.71	.....
25	35.79	35.79	36.63	35.43	33.70	33.09	31.04	30.54	32.70	35.28	36.88	.....
Eom	35.31	35.95	36.63	35.47	33.47	33.25	30.85	30.99	33.04	35.66	37.18	.....

1959

5	.....	29.20	27.45	29.14	30.97	31.85	33.32	35.65	37.51	39.56	40.91	41.38
10	.....	28.50	27.82	29.50	31.26	32.24	32.62	35.89	37.29	39.85	41.13	41.20
15	.....	27.82	28.09	29.90	31.56	32.76	32.75	36.22	37.73	40.04	41.37	41.15
20	.....	27.27	28.05	30.27	31.39	33.12	33.86	36.50	38.28	40.10	41.45	40.67
25	.....	26.98	28.41	30.52	31.58	32.90	34.65	36.80	38.68	40.38	41.39	40.39
Eom	30.07	27.10	28.79	30.78	31.99	32.72	35.40	37.14	39.14	40.63	41.50	39.62

1960

5	39.95	38.75	36.57	35.66	36.03	36.95	37.15	37.57	38.95	39.05	39.77	40.67
10	40.14	38.44	36.49	35.75	36.17	37.09	37.12	36.50	39.15	38.99	40.05	40.81
15	40.21	37.75	36.45	35.78	36.23	37.12	37.43	37.09	39.49	38.80	40.22	40.85
20	39.93	37.09	36.26	35.83	36.40	37.10	37.63	37.65	39.48	39.12	40.42	40.93
25	39.42	36.88	36.10	35.79	36.64	37.01	37.96	38.23	39.55	39.29	40.49	40.95
Eom	39.04	36.73	35.85	35.88	36.87	37.08	38.22	38.55	39.32	39.60	40.54	40.28

1961

5	40.37	.....	41.09	37.99	34.45	27.62	28.78	29.08	30.59	32.48	34.45	36.28
10	40.61	.....	40.40	37.76	33.95	27.72	29.03	29.51	30.70	32.86	34.85	36.42
15	40.86	.....	39.45	37.00	29.60	27.60	29.36	29.68	31.03	33.16	35.21	36.64
20	40.88	.....	39.09	36.90	28.16	27.72	29.71	29.87	31.42	33.39	35.62	36.87
25	40.88	41.55	38.90	36.10	27.83	27.83	29.83	30.08	31.74	33.70	35.91	37.00
Eom	40.88	41.47	38.40	35.25	27.64	28.23	28.92	.....	32.13	34.10	36.14	36.77

1962

5	36.96	36.92	34.33	29.05	.....	30.04	32.80	34.65	35.55	37.75	39.00	38.86
10	37.21	36.85	32.57	28.33	.....	30.73	32.87	35.22	35.16	38.13	39.05	38.89
15	37.36	36.77	31.95	27.90	.....	31.28	33.20	35.82	35.54	38.57	39.08	39.00
20	37.47	36.76	31.60	.....	27.60	31.68	33.65	36.28	36.10	38.80	39.01	39.25
25	37.45	36.81	31.28	.....	28.13	32.12	34.03	36.35	36.71	.....	38.90	39.42
Eom	37.09	36.66	29.95	.....	29.21	32.53	34.19	36.20	37.25	38.94	38.85	39.26

Scioto County

Sc-1. Detroit Steel Corp. New Boston. Lat 38°45', long 82°56'. Drilled unused water-table well in coarse sand, diam 26 in, depth 81 ft. Lsd 525 ft above msl. MP floor of instrument shelter, 1.80 ft above lsd. Highest water level 28.45 below lsd, May 13, 1958; lowest 58.81 below lsd, Nov. 19, 1957. Records available: 1955-61. Measurement discontinued. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	51.30	52.00	49.55	41.45	.....	51.80	47.30	51.15	54.55	56.95	.....
10	51.20	51.15	48.20	33.00	.....	52.40	46.10	52.00	55.05	.....	.....
15	51.10	51.25	46.60	29.35	.....	52.40	46.25	52.70	.....	.....	.....
20	51.90	51.45	46.10	35.20	49.25	51.40	47.45	53.30	.....	57.50	.....
25	52.60	51.85	46.55	.....	50.20	50.05	49.00	53.70	.....	57.50	.....
Eom	51.60	53.00	51.15	45.80	.....	51.00	47.50	50.10	54.10	.....	57.75	58.05

1959

5	57.95	48.60	46.05	47.25	45.95	50.45	54.30	55.90	57.40	57.70	57.70	55.75
10	57.80	48.85	46.85	46.35	46.15	51.05	54.60	56.15	57.50	57.75	57.55	55.15
15	58.00	48.40	.....	.....	47.30	51.90	54.85	56.35	57.60	57.85	57.50	54.70
20	57.50	45.55	.....	.....	47.55	52.65	55.05	56.70	57.65	57.95	57.50	52.90
25	55.70	44.55	46.45	45.45	48.50	53.30	55.25	56.95	57.70	58.05	57.50	51.85
Eom	50.30	45.15	47.20	46.40	49.75	53.85	55.60	57.25	57.80	57.80	57.05	52.25

1960

5	51.85	49.75	48.00	47.70	49.25	50.85	53.90	56.05	57.00	57.25	57.75	57.90
10	50.95	49.95	49.05	42.70	50.25	51.55	54.25	56.20	57.05	57.35	57.70	58.00
15	51.10	49.00	50.05	40.80	49.60	52.30	54.70	56.40	57.10	57.45	57.65	57.95
20	49.95	47.90	50.80	43.90	49.30	52.60	55.10	56.60	57.20	57.55	57.80	57.90
25	48.75	47.85	50.85	46.05	49.90	53.10	55.40	56.70	57.25	57.50	57.90	57.80
Eom	49.40	47.75	50.50	47.90	50.50	53.60	55.80	56.80	57.30	57.65	57.80	.....

Sc-1--Continued.

1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	41.80	36.45	46.80	49.25	52.10	54.25	56.40	.....	.....
10	44.85	42.90	36.10	47.45	50.20	52.15	56.25	56.65	.....	.....
15	40.10	43.35	35.00	46.90	51.15	52.40	56.25	56.90	.....	.....
20	40.20	41.35	39.80	46.00	51.65	52.85	56.25	47.10	.....	.....
25	55.90	.....	41.20	39.40	42.75	47.20	51.70	53.40	56.25	57.20	.....	.....
Eom	41.70	37.80	45.35	48.25	52.10	53.90	56.25	57.40	.....	.....

Stark County

St-1. Republic Steel Corp. Oberlin Ave., Massillon. Lat 40°47', long 81°31'. Drilled unused water-table well in gravel, diam 6 in, depth 161 ft, cased to 161. Lsd 950 ft above msl. MP top of concrete base, 6.00 ft below lsd. Highest water level 41.70 below lsd, June 16, 1947; lowest 56.02 below lsd, Feb. 5-6, 1956. Records available: 1942-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	50.56	50.92	50.68	50.18	48.47	48.47	46.48	.....	42.85	43.68	45.03	46.02
10	50.78	50.81	50.55	49.93	47.96	46.84	46.26	42.45	42.93	43.95	45.30	46.21
15	50.82	51.05	50.67	49.57	47.61	46.83	.....	42.48	43.02	44.13	45.47	46.49
20	50.81	51.08	50.65	49.41	47.38	46.74	.....	42.37	43.21	44.33	45.60	46.88
25	50.93	50.87	50.48	49.39	47.19	46.63	.....	42.45	43.33	44.60	45.70	47.08
Eom	50.94	50.83	50.29	49.01	47.07	46.55	.....	42.62	43.47	44.91	45.90	47.25

1959

5	47.38	46.13	45.12	45.54	45.45	46.35	47.16	45.27	44.40	44.32	43.99	46.27
10	47.75	46.17	45.12	45.69	45.57	46.56	47.14	45.02	44.41	44.18	44.13	46.50
15	47.95	45.30	45.20	45.77	45.64	46.75	47.28	44.92	44.44	44.13	44.63	46.38
20	48.20	45.05	45.20	45.87	45.78	46.96	46.73	44.80	44.56	44.15	45.23	46.50
25	.....	45.09	45.33	45.99	46.00	47.10	46.13	44.68	44.57	44.07	45.62	46.83
Eom	46.11	45.11	45.40	45.82	46.21	47.16	45.66	44.52	44.47	44.06	45.92	47.07

1960

5	47.19	47.95	48.67	48.15	48.02	48.09	47.95	48.13	48.49	49.01	49.50	49.74
10	47.39	48.02	48.83	47.89	47.95	48.22	47.79	48.14	48.67	49.01	49.52	49.86
15	47.44	48.11	48.98	47.83	47.97	48.10	47.85	48.24	48.69	49.17	49.50	.....
20	47.48	48.24	49.00	47.79	48.05	48.04	47.83	48.39	48.72	49.25	49.60	.....
25	47.63	48.39	49.13	47.75	48.06	48.17	47.90	48.48	48.91	49.24	49.64	50.27
Eom	47.86	48.51	48.85	47.95	47.97	48.17	48.00	48.64	48.98	49.36	49.69	50.45

1961

5	50.50	51.10	50.56	49.54	47.80	47.70	47.93	47.37	48.85	50.06	50.68	50.95
10	50.60	51.20	50.10	49.40	47.63	47.91	47.95	47.52	49.10	50.16	50.83	50.98
15	50.72	51.27	49.82	49.25	47.57	47.98	48.08	47.72	49.45	50.32	50.89	51.19
20	50.81	51.11	49.79	49.03	47.73	47.73	47.96	48.00	49.70	50.45	50.90	51.33
25	50.94	51.20	49.69	48.28	47.81	47.75	47.81	48.32	49.82	50.35	50.95	.....
Eom	50.93	50.95	49.68	47.80	47.87	47.97	47.72	48.65	49.99	50.56	50.92	.....

1962

5	.....	52.18	52.40	51.81	51.93	51.74	51.47	51.86	.....	.....	50.12	49.74
10	.....	52.38	52.45	51.73	51.78	51.74	51.34	51.37	.....	.....	50.26	49.70
15	.....	52.52	52.15	51.94	51.78	51.78	51.45	51.69	.....	.....	49.95	49.95
20	52.04	52.72	51.95	52.02	51.80	51.73	51.66	51.51	.....	.....	49.80	50.09
25	52.15	52.87	51.79	51.93	51.87	51.65	51.73	51.60	.....	50.39	49.72	49.79
Eom	52.07	52.75	51.75	51.87	51.86	51.70	51.80	51.51	.....	50.25	49.89	49.68

St-4. Adessi Bros. Near Canton. Lat 40°51'00", long 81°20'00". Drilled unused water-table well in gravel, diam 4 in, depth 190 ft, cased to 160. Lsd 1,075 ft above msl. MP top of casing, 4.00 ft above lsd. Highest water level 6.92 below lsd, Feb. 6, 1952; lowest 22.42 below lsd, Feb. 2, 1942. Records available: 1941-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.37	16.96	17.22	17.81	16.34	15.64	16.38	.....	10.20	11.27	12.43	.....
10	17.54	17.14	17.26	17.94	15.05	15.77	15.79	.....	10.31	11.41	12.66	13.58
15	17.73	17.34	17.37	17.82	14.99	15.87	12.31	.....	10.54	11.59	12.85	13.72
20	17.88	17.54	17.53	17.85	15.16	15.98	11.73	.....	10.71	11.77	12.98	13.88
25	17.34	17.62	17.67	17.94	15.30	16.09	11.96	.....	10.80	11.96	13.15	14.05
Eom	16.81	17.34	17.72	17.50	15.47	16.22	.....	.....	10.96	12.24	13.36	14.21

St-4--Continued.

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.79	10.27	9.34	10.03	10.96	9.53	.....	11.93	13.20	13.90	13.71	13.30
10	13.94	10.53	9.54	10.32	11.16	9.46	10.50	12.02	13.41	13.65	13.71	13.21
15	14.10	.....	9.68	10.56	11.36	....	10.87	12.26	13.60	13.45	13.75	11.85
20	14.15	.....	9.39	10.82	11.57	....	11.20	12.50	13.78	13.62	13.72	11.77
25	9.45	8.93	9.78	11.08	11.21	.....	11.51	12.73	13.94	13.72	13.77	12.02
Eom	9.89	9.11	10.04	10.84	9.92	.....	11.75	12.98	14.09	13.74	13.38	11.88

1960												
5	11.53	11.30	11.46	10.27	11.64	12.45	12.63	13.15	14.12	15.10	15.93	16.66
10	11.54	11.37	11.63	10.49	11.77	12.67	12.74	13.29	14.28	15.25	16.05	16.79
15	10.85	10.85	11.80	10.75	11.82	12.28	12.87	13.44	14.44	15.39	16.16	16.92
20	10.69	11.00	11.93	10.98	11.94	12.18	12.97	13.60	14.60	15.52	16.27	17.05
25	10.90	11.15	12.04	11.18	12.11	12.34	12.91	13.75	14.77	15.65	16.40	17.17
Eom	11.13	11.32	10.57	11.43	12.29	12.51	13.00	13.97	14.94	15.80	16.53	17.30

1961												
5	17.40	17.90	16.04	14.59	11.26	12.31	13.50	14.45	15.54	16.49	17.45	17.84
10	17.49	18.00	14.87	14.48	11.38	12.50	13.72	14.60	15.67	16.66	17.57	17.91
15	17.56	18.09	14.40	13.94	11.46	12.70	13.93	14.78	15.81	16.83	17.70	18.00
20	17.63	17.89	14.43	12.99	11.64	12.89	14.10	14.96	15.98	16.99	17.77	18.10
25	17.70	17.49	14.49	11.75	11.84	13.10	14.14	15.14	16.15	17.65	17.85	18.22
Eom	17.80	16.97	14.58	11.14	12.12	13.29	14.33	15.36	16.32	17.32	17.77	18.35

1962												
5	18.47	17.77	.....	15.38	15.80	16.73	17.33	17.94	18.50	18.73	19.01	19.39
10	18.50	17.76	16.66	15.40	15.94	16.54	17.43	18.03	18.59	18.77	19.05	19.48
15	18.55	17.86	16.14	15.45	16.08	16.94	17.53	18.13	18.64	18.81	19.10	19.57
20	18.59	17.99	15.65	15.52	16.23	17.03	17.63	18.21	.....	18.86	19.14	19.65
25	18.62	18.09	15.43	15.59	16.38	17.12	17.72	18.31	.....	18.91	19.22	19.68
Eom	18.07	17.97	15.31	15.69	16.58	17.23	17.85	18.42	18.71	18.96	19.30	19.65

St-5a. City of Canton. Canton Waterworks. Northeast well field. 30th St. and Harrisburg Rd. Lat 40°50', long 81°21'. Drilled unused water-table well in gravel, diam 12 in, depth 132 ft, cased to 132. Lsd 1,060 ft above msl. MP top of instrument platform. 1.00 ft above lsd. Highest water level 26.45 below lsd, Mar. 11, 1950; lowest 54.00 below lsd, Feb. 10, 1956. Records available: 1949-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	45.85	45.60	46.15	45.90	44.60	.....	43.45	35.85	33.00	33.15	36.45	.....
10	46.35	45.35	45.75	44.45	44.75	.....	43.50	34.65	33.20	33.80	35.60	37.05
15	45.85	45.85	46.20	43.40	44.55	43.05	42.75	34.10	33.15	34.10	36.00	37.25
20	45.90	45.95	46.45	44.75	44.20	43.10	41.05	32.90	33.25	34.00	36.05	37.95
25	45.95	45.95	46.15	45.25	.....	43.05	40.15	32.15	33.35	34.70	36.10	37.90
Eom	45.50	46.10	45.70	45.15	.....	42.95	39.50	32.80	32.90	35.55	36.00	38.10

	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
1959												
5	38.15	37.10	35.50	35.30	35.64	36.15	34.54	35.30	37.01	36.25	34.70	35.65
10	38.70	37.20	34.75	36.50	35.49	36.30	35.62	35.39	36.87	35.88	34.90	35.60
15	38.75	35.20	34.45	37.44	35.70	.....	35.60	36.07	36.13	35.70	34.83	35.70
20	38.85	35.10	35.88	35.97	35.71	.....	35.79	36.50	35.93	35.34	35.21	35.41
25	37.60	35.22	35.80	35.87	36.23	.....	35.91	36.85	36.53	35.30	35.38	35.19
Eom	36.05	34.80	35.46	35.63	35.69	.....	35.81	37.41	36.67	35.08	35.17	35.10

	1960											
5	34.60	34.01	33.43	33.72	34.75	35.83	35.10	37.04	38.18	39.32	39.65	39.40
10	34.50	33.88	33.57	33.45	34.32	37.22	35.53	36.77	38.25	38.71	40.39	39.79
15	34.89	33.75	33.65	34.12	34.28	36.60	35.96	36.97	38.63	40.38	39.44	39.84
20	34.40	33.68	33.38	35.05	35.40	36.02	36.10	37.47	38.35	39.89	39.34	40.35
25	34.03	33.58	34.00	34.58	35.20	36.49	35.70	38.12	38.37	40.14	39.92	39.86
Eom	33.90	33.39	34.25	35.03	35.10	36.93	36.22	38.37	38.91	39.11	39.40	40.55

1961												
5	40.30	41.35	41.82	40.13	39.39	37.80	38.75	40.79	41.22	42.52	43.02	43.25
10	40.42	42.08	42.21	40.13	38.94	38.45	39.20	41.04	42.15	42.39	43.00	42.76
15	40.35	42.10	41.62	40.26	38.65	38.25	39.91	40.91	42.54	42.72	42.93	43.43
20	40.85	42.11	40.67	40.70	38.93	38.64	40.12	41.50	42.25	43.07	43.45	43.85
25	40.94	42.19	41.14	39.60	38.93	38.50	40.12	41.43	42.82	43.42	43.06	43.14
Eom	41.17	42.12	40.51	39.45	37.45	39.24	40.12	41.62	42.62	43.51	43.27	43.41

	1962											
5	43.97	45.05	45.26	43.55	43.84	43.07	42.37	41.78	41.00	40.03	38.95	38.45
10	44.24	45.29	44.98	43.21	43.08	42.62	42.78	41.35	41.13	.....	38.11	38.25
15	44.37	45.86	44.78	42.90	43.91	42.08	42.01	41.07	40.56	.....	37.43	37.95
20	44.75	45.28	44.52	42.87	44.50	42.13	41.84	41.06	40.35	.....	38.18	38.55
25	44.92	45.52	44.12	43.02	44.55	42.14	41.61	41.45	40.20	.....	37.22	37.71
Eom	44.98	45.46	43.83	44.22	43.90	43.25	41.55	41.25	40.02	38.95	38.63	37.52

St-11. City of Canton. Canton Waterworks. Northwest well field. Lat 40°51'02", long 81°24'03". Drilled unused artesian well in gravel, diam 6 in, depth 87 ft, cased to 87. Lsd 1,062 ft above msl. MP floor of instrument shelter, 3.50 ft above lsd. Highest water level 0.29 below lsd, June 7, 1947; lowest 53.35 below lsd, Mar. 29-30, 1957. Records available: 1946-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.40	34.45	33.55	34.20	32.30	38.25	31.85	23.95	26.75	23.45	23.35	.....
10	37.15	34.40	33.40	42.45	30.70	32.50	34.10	24.00	23.15	23.70	23.10	24.05
15	36.65	34.45	41.20	43.10	36.05	31.50	30.55	26.80	26.00	23.50	23.35	24.15
20	43.60	34.65	34.75	36.25	31.65	31.35	29.00	27.20	23.25	23.45	23.45	24.15
25	35.30	34.80	34.45	35.65	31.15	31.25	27.05	27.10	23.20	23.50	23.70	24.65
Eom	34.60	34.15	34.20	33.95	31.65	36.70	27.15	23.55	27.00	23.10	23.90	24.60

1959

5	24.00	19.35	16.60	16.45	17.15	19.85	19.50	20.95	21.95	25.20	25.95	26.30
10	24.25	19.55	16.50	16.75	17.60	21.20	24.00	20.80	26.65	24.65	26.20	26.20
15	24.75	16.50	.....	17.00	18.25	18.75	23.70	21.90	24.40	25.00	26.20	23.85
20	24.45	16.10	16.15	17.30	21.60	22.00	24.05	24.60	25.15	25.50	26.40	24.60
25	18.70	16.45	16.80	17.55	18.05	18.75	21.10	25.45	25.20	25.40	26.45	25.00
Eom	18.75	16.70	16.80	16.85	15.90	22.75	21.00	23.80	25.85	25.85	25.75	24.95

1960

5	25.00	26.30	25.35	24.35	26.95	26.20	.....	29.45	29.25	30.75	31.25	32.10
10	24.75	25.00	25.50	24.00	25.85	30.30	27.40	29.40	30.20	31.10	33.45	32.75
15	23.70	24.45	25.85	24.65	25.90	.....	28.10	29.60	30.35	33.00	31.55	33.10
20	24.25	24.75	26.30	24.85	27.35	.....	27.70	30.50	30.25	33.30	32.20	34.40
25	34.25	24.90	26.45	26.80	25.90	.....	30.00	30.05	30.30	31.15	32.35	34.50
Eom	24.65	25.20	24.20	25.45	25.90	.....	29.65	30.90	30.90	31.30	32.10	35.75

1961

5	34.60	36.05	35.00	34.80	29.45	30.80	30.45	31.20	35.10	32.65	33.45	34.25
10	35.00	36.40	34.95	33.95	29.10	29.20	33.35	33.30	34.60	34.70	33.85	33.85
15	35.65	36.00	35.15	33.65	28.95	29.55	31.55	33.80	34.05	32.65	34.40	34.30
20	36.00	35.90	36.00	31.55	28.75	31.60	32.50	33.45	33.05	33.35	34.40	34.85
25	35.90	35.75	34.40	30.10	28.80	30.10	30.60	34.35	35.30	33.10	34.50	34.95
Eom	35.50	34.30	34.50	29.35	28.60	33.30	31.75	35.40	33.45	34.15	33.50	35.00

1962

5	35.70	34.55	32.95	31.50	24.60	22.05	21.45	17.40	19.70	21.20	24.00	27.25
10	35.65	34.30	33.50	31.50	25.50	19.15	22.45	20.50	19.35	21.30	25.15	27.65
15	35.95	34.30	30.65	31.30	23.50	22.15	18.10	19.90	17.15	21.80	25.80	28.00
20	35.95	35.25	30.80	31.10	24.10	21.90	21.20	19.85	21.00	18.70	24.85	28.75
25	35.30	35.35	31.30	33.90	26.50	23.25	20.75	20.35	21.05	23.40	26.20	28.00
Eom	33.40	32.30	31.60	27.10	21.60	21.70	20.55	20.20	16.80	22.70	26.70	28.80

Summit County

Su-3. Goodyear Tire & Rubber Co. Akron. Lat 41°03'09", long 81°28'00". Drilled unused water-table well in gravel, diam 20 in, depth 140 ft, cased to 140. Lsd 1,020 ft above msl. MP floor of instrument shelter, 1.76 ft above lsd. Highest water level 12.85 below lsd, Apr. 29, 1959; lowest 55.87 below lsd, Oct. 18-20, 26-28, 1944. Records available: 1943-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	24.90	20.65	17.95	15.85	17.65	21.95	25.25	25.85	25.65	29.55	31.10	30.05
10	24.00	20.10	17.45	15.70	19.50	22.35	25.30	26.55	26.95	30.10	31.90	28.10
15	23.25	19.60	17.05	15.45	20.85	23.00	.....	26.50	27.40	30.35	.....	26.50
20	22.75	19.15	16.70	15.65	21.30	23.65	.....	26.45	28.25	30.75	.....	25.20
25	22.00	18.65	16.45	16.90	21.25	24.05	.....	25.75	28.55	31.60	32.65	24.15
Eom	21.20	18.25	16.10	17.10	21.15	24.65	.....	25.60	28.80	31.95	32.50	23.05

1959

5	22.15	16.20	14.10	13.20	13.95	17.35	22.95	30.25	38.25	39.00	37.95	27.55
10	21.35	15.70	13.85	13.15	14.85	18.15	23.60	31.80	38.15	38.05	35.65	26.50
15	20.60	14.70	13.70	.....	15.35	19.55	24.45	33.30	38.80	37.95	32.40	25.35
20	20.00	14.55	13.50	.....	15.60	20.55	25.25	34.85	38.50	37.90	31.50	24.40
25	17.15	14.35	13.35	13.30	16.10	21.50	26.60	36.25	39.15	38.30	28.90	23.55
Eom	16.80	14.20	13.20	.....	16.45	22.50	28.50	37.60	39.75	38.45	28.75	22.35

1960

5	21.85	18.35	16.25	14.90	16.65	18.65	23.45	25.85	28.60	31.95	32.50	31.80
10	21.25	17.80	16.00	14.85	17.00	19.55	24.10	25.60	28.85	32.45	32.25	31.15
15	20.50	17.45	15.80	14.70	16.60	20.40	24.25	25.90	29.40	33.00	32.20	30.20
20	20.00	17.10	15.55	14.65	16.70	21.15	24.45	26.80	30.15	33.30	32.25	29.10
25	19.50	16.75	15.45	15.50	17.35	22.05	24.80	27.40	31.00	33.25	32.10	28.10
Eom	18.80	16.50	15.10	16.10	17.70	22.95	25.30	28.20	31.65	32.95	31.85	27.05

Su-3--Continued.

1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	26.30	22.85	20.15	17.25	15.05	17.30	20.90	28.35	33.55	40.20	41.90	40.85
10	25.70	22.30	19.65	16.85	14.75	18.20	21.20	28.20	34.75	41.15	41.55	41.10
15	24.95	22.00	19.15	16.50	14.80	18.65	23.15	29.40	35.80	41.90	41.40	39.85
20	24.35	21.60	18.75	16.10	15.90	19.00	24.30	30.85	36.80	42.30	41.40	37.65
25	23.90	21.10	18.25	15.55	16.40	19.90	25.65	32.00	37.90	42.40	41.20	35.60
Eom	23.30	20.75	17.70	15.25	16.55	20.55	26.90	33.15	39.25	42.40	40.70	33.55
1962												
5	.....	.....	21.85	18.50	.....	28.85	35.15	42.65	.....	41.80	41.15	40.35
10	.....	25.25	21.25	17.95	.....	30.05	35.95	43.55	.....	41.15	40.85	40.35
15	.....	24.50	20.45	17.45	18.64	31.10	37.65	44.10	43.95	40.90	40.50	39.20
20	.....	23.85	20.00	17.10	.....	31.80	39.05	45.20	43.20	40.50	40.70	37.55
25	.....	23.20	19.40	16.95	.....	33.75	40.20	45.95	43.20	40.80	40.65	35.90
Eom	.....	22.30	18.95	16.95	.....	35.95	41.50	45.90	42.30	41.15	40.30	34.15

Su-4a. Firestone Tire & Rubber Co. Akron. Lat 41°02', long 81°32'. Drilled test artesian well in gravel, diam 6 in, depth 60 ft, cased to 60. Lsd 970 ft above msl. MP floor of instrument shelter, 3.00 ft above lsd. Highest water level 3.20 below lsd, Jan. 22, 1959; lowest 39.40 below lsd, Nov. 15, 1962. Records available: 1951-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	10.70	7.65	6.15	6.35	8.00	11.95	13.10	11.95	15.20	17.15	21.70	12.15
10	11.10	7.50	6.10	6.65	10.00	12.00	10.50	11.85	14.75	20.00	21.60	11.60
15	11.35	7.45	6.15	6.45	9.90	13.00	10.15	14.00	14.70	20.60	22.75	10.80
20	10.80	7.55	6.20	6.80	10.00	14.00	11.95	13.90	16.70	19.20	18.45	10.05
25	9.55	7.10	6.00	8.05	11.35	14.85	13.20	13.45	15.90	22.75	17.20	9.00
Eom	7.85	6.45	5.75	9.65	10.70	13.95	14.35	13.50	16.20	23.55	14.50	8.40
1959												
5	7.00	4.75	4.40	4.40	5.75	8.00	12.55	17.05	24.50	23.60	17.30	9.75
10	7.00	4.60	4.50	4.50	7.10	8.40	17.35	14.15	23.90	22.40	14.75	9.00
15	6.70	4.00	4.35	4.80	7.80	10.30	18.35	16.70	25.00	20.10	13.45	7.45
20	6.30	4.55	4.25	4.60	8.40	14.20	17.55	18.40	25.00	19.65	12.40	7.45
25	4.00	4.40	4.60	4.70	8.05	16.90	18.15	21.15	26.15	22.20	11.45	7.65
Eom	4.50	4.40	4.65	4.10	5.95	16.35	18.90	22.35	26.40	20.40	10.55	7.15
1960												
5	6.70	6.45	6.05	5.30	13.10	13.75	11.60	18.40	18.95	26.85	29.70	16.30
10	6.85	6.10	6.05	5.40	12.25	14.95	13.90	18.85	22.15	.....	24.40	16.00
15	6.20	6.00	6.45	5.65	13.20	13.60	15.15	18.70	23.90	27.80	21.25	15.55
20	6.20	6.00	6.10	5.75	11.90	12.35	15.95	20.00	24.30	28.50	19.90	15.35
25	6.45	6.05	6.15	8.35	12.60	14.50	16.60	20.45	25.00	28.70	18.30	15.10
Eom	6.40	6.10	5.15	13.70	11.90	15.75	17.55	21.75	27.10	28.35	16.60	14.40
1961												
5	14.20	11.40	7.25	6.05	9.35	9.70	13.05	14.40	.....	.....	25.45	12.15
10	14.10	11.50	6.45	6.15	8.80	13.30	15.05	.....	19.70	.....	.....	11.35
15	13.30	11.25	6.85	5.90	9.30	11.45	17.20	.....	.....	.....	.....	10.90
20	12.75	10.10	7.10	5.30	12.10	12.55	14.65	.....	.....	.....	19.05	.....
25	12.20	8.70	6.25	5.00	13.25	14.10	14.00	.....	.....	24.70	17.30	.....
Eom	11.45	7.50	6.60	5.05	9.90	14.80	13.75	.....	.....	25.40	12.95	10.50
1962												
5	10.75	9.20	8.10	7.25	14.90	21.85	24.80	31.50	36.20	37.75	37.75	27.70
10	10.25	9.50	8.30	7.35	16.10	23.65	26.00	32.90	36.20	36.30	39.00	26.90
15	10.30	9.90	7.25	7.40	16.70	23.70	26.00	33.05	38.00	37.35	39.40	26.00
20	9.90	9.60	7.90	7.05	15.70	24.75	29.00	32.85	38.30	37.65	32.30	25.55
25	9.35	9.05	7.40	7.50	20.05	24.00	30.10	35.25	38.20	38.05	30.10	24.95
Eom	8.75	9.30	7.75	11.60	20.35	26.35	30.45	35.90	39.00	37.95	28.20	24.40

Trumbull County

T-2. Copperweld Steel Co. Mahoning Ave., Warren. Lat 41°16'00", long 80°50'30". Drilled unused artesian well in sandstone, diam 10 in, depth 124 ft. Lsd 920 ft above msl. MP floor of instrument shelter, 3.00 ft above lsd. Highest water level 26.95 below lsd (previously reported 25.95 below lsd), June 20, 1949; lowest 59.15 below lsd, Sept. 1, 1962. Records available: 1946-62. Water levels affected by pumping.

T-2--Continued.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Ncv.	Dec.
5	47.85	49.95	52.00	55.80	46.40	50.85	48.20	54.55	55.95	56.00	56.95	57.70
10	49.30	48.60	50.70	50.15	48.05	49.50	53.30	54.80	55.55	55.90	56.70	57.80
15	49.90	49.50	49.40	48.45	49.40	51.40	54.65	56.00	55.80	55.80	57.60	57.80
20	49.85	50.30	50.20	49.50	51.35	52.20	53.75	54.10	56.35	55.55	57.70	58.20
25	50.40	51.60	49.50	51.05	51.40	51.50	54.10	53.25	56.65	56.75	57.10	58.45
Eom	49.65	51.00	48.20	50.25	51.10	53.15	55.25	55.00	56.10	57.15	57.25	58.05

1959

5	58.35	54.25	52.60	54.75	55.65	52.35	44.15	52.10	53.90	53.50	50.05	47.75
10	58.00	53.70	50.45	55.40	56.45	51.35	49.00	51.75	54.55	53.40	49.90	48.15
15	56.05	54.45	51.70	56.45	56.15	49.85	50.60	53.30	52.05	51.10	49.65	47.70
20	55.00	54.40	53.50	57.65	56.90	48.80	51.10	53.55	51.45	50.75	48.95	47.65
25	53.45	53.20	53.40	56.80	54.50	49.75	52.85	54.55	53.75	50.20	49.00	46.60
Eom	54.00	52.95	54.15	55.40	55.40	50.95	53.05	54.40	53.95	49.85	48.30	47.25

1960

5	47.30	48.15	48.85	47.85	50.15	49.30	45.75	51.40	47.15	49.60	51.25	48.35
10	48.00	48.20	48.70	48.10	49.45	50.80	51.10	51.85	51.65	47.55	50.20	49.05
15	47.75	47.90	48.30	49.40	48.40	46.60	53.10	51.80	50.25	51.55	49.90	49.95
20	47.70	48.65	47.35	48.55	50.00	44.50	51.70	52.20	49.00	49.95	49.15	49.35
25	47.45	48.40	47.95	50.20	49.50	50.25	51.95	52.05	49.95	48.95	48.00	48.45
Eom	48.05	48.45	48.10	49.75	45.75	52.30	51.20	52.30	52.55	47.70	48.95	48.25

1961

5	48.75	49.60	48.60	46.75	47.35	49.95	49.70	54.95	54.35	53.20	52.30	49.20
10	49.00	51.05	48.60	43.50	46.35	52.45	51.20	52.95	55.35	52.55	51.45	49.00
15	48.50	51.30	47.30	46.50	46.45	51.95	54.70	54.20	57.55	52.05	51.40	49.65
20	49.00	49.75	46.45	47.30	48.40	48.45	55.20	54.00	54.15	51.70	49.85	49.30
25	49.05	50.70	47.80	46.40	48.70	50.35	55.30	54.30	54.65	51.30	50.70	47.25
Eom	49.90	47.60	48.20	47.35	49.35	52.70	52.80	54.60	54.70	50.70	49.35	47.90

1962

5	49.00	49.10	48.00	46.70	48.75	48.35	46.95	55.40	57.55	54.10	50.35	51.10
10	49.70	49.30	48.80	45.90	48.50	49.40	49.10	56.40	55.90	56.60	51.85	48.60
15	49.50	48.85	49.50	46.10	50.35	51.40	52.90	55.65	57.10	51.00	52.15	51.30
20	49.90	48.70	47.85	47.30	52.00	52.65	54.00	53.60	53.10	53.90	50.65	51.90
25	50.35	48.35	47.25	47.00	52.00	50.00	52.55	58.00	55.40	52.25	51.30	45.65
Eom	50.35	48.60	46.60	46.50	49.95	51.75	52.30	59.10	54.70	51.40	52.00	56.60

Tuscarawas County

Tu-1. Everett Waltz. Near Strasburg. Lat 40°37'09", long 81°32'00". Drilled unused water-table well in gravel, diam 4 in, depth 23 ft, cased to 23. Lsd 935 ft above msl. MP floor of instrument shelter, 0.90 ft above lsd. Highest water level 8.03 below lsd, Feb. 8 1952; lowest 14.23 below lsd, Nov. 7, 8, 9, 1962. Records available: 1946-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Ncv.	Dec.
5	11.63	11.69	12.03	12.15	10.44	11.22	12.05	10.06	11.28	11.97	12.50	12.74
10	11.83	11.88	12.10	12.24	9.85	11.42	11.68	10.29	11.38	12.08	12.55	12.72
15	11.99	12.05	12.21	11.98	9.98	11.55	11.08	10.58	11.57	12.19	12.60	12.76
20	12.15	12.22	12.27	12.02	10.28	11.72	10.95	10.77	11.69	12.27	12.62	12.80
25	11.80	12.23	12.32	11.85	10.58	11.87	10.84	10.93	11.74	12.35	12.66	12.82
Eom	11.52	12.10	12.10	11.25	10.94	11.92	10.60	11.13	11.87	12.44	12.74	12.83

1959

5	12.52	9.12	9.41	9.83	9.74	10.86	11.51	12.17	12.57	12.76	12.37	11.77
10	12.48	9.40	9.45	9.95	10.00	11.07	11.67	12.26	12.71	12.51	12.27	11.61
15	12.53	8.83	9.51	10.14	10.20	11.25	11.75	12.38	12.77	12.42	12.25	11.06
20	12.39	8.90	9.34	10.35	10.38	11.43	11.85	12.49	12.86	12.52	12.23	10.98
25	9.57	9.18	9.65	10.60	10.60	11.48	11.94	12.58	12.92	12.52	12.27	11.20
Eom	9.26	9.31	9.87	10.05	10.77	11.49	12.03	12.63	12.97	12.39	11.93	11.23

1960

5	11.12	11.04	10.98	10.25	11.09	11.70	12.05	12.53	12.80	13.21	13.39	13.43
10	11.05	11.05	11.09	10.10	11.17	11.86	12.13	12.54	12.86	13.24	13.39	13.44
15	10.93	10.62	11.19	10.32	11.22	11.82	12.22	12.62	12.93	13.25	13.38	13.47
20	10.65	10.71	11.26	10.52	11.35	11.69	12.29	12.67	12.99	13.30	13.40	13.49
25	10.73	10.83	11.27	10.73	11.42	11.82	12.37	12.73	13.03	13.32	13.40	13.50
Eom	10.89	10.90	10.18	10.91	11.60	11.98	12.46	12.79	13.16	13.39	13.43	13.54

Tu-1--Continued.

1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.54	13.45	11.12	10.72	9.55	10.69	11.46	11.52	12.27	12.82	13.13	12.93
10	13.55	13.47	10.24	10.78	9.75	10.73	11.64	11.75	12.37	12.88	13.15	12.92
15	13.52	13.49	10.21	10.53	9.98	10.82	11.81	11.84	12.49	12.95	13.20	12.92
20	13.42	12.85	10.49	10.13	10.19	10.90	11.90	11.98	12.58	13.05	13.10	12.92
25	13.38	12.53	10.60	9.57	10.42	11.11	11.50	12.07	12.68	13.08	12.93	12.92
Eom	13.40	11.79	10.77	9.62	10.75	11.30	11.60	12.20	12.78	13.10	12.91	12.92
1962												
5	12.95	11.79	10.62	10.16	11.05	12.28	13.01	13.65	13.99	14.15	14.22	13.94
10	12.65	11.85	10.22	10.13	11.26	12.35	13.13	13.69	14.04	14.13	14.22	13.97
15	12.61	12.01	10.12	10.27	11.45	12.51	13.24	13.76	14.05	14.12	13.90	13.96
20	12.50	11.91	10.16	10.44	11.65	12.65	13.36	13.85	14.08	14.14	13.86	13.95
25	12.35	11.67	9.98	10.61	11.88	12.81	13.46	13.90	14.11	14.14	13.87	13.92
Eom	11.69	10.96	10.16	10.89	12.11	12.94	13.56	14.01	14.15	14.13	13.92	13.86

Washington County

Wa-1. Marietta Osteopathic Clinic. 4th and Putnam Sts., Marietta. Lat 39°25', long 81°27'. Drilled unused water-table well in gravel, diam 6 in, depth 42 ft, cased to 42. Lsd 600 ft above msl. MP floor of instrument shelter. 4.80 ft above lsd. Highest water level 16.57 below lsd, Mar. 25, 1945; lowest 30.70 below lsd, Sept. 9, 1942. Records available: 1942-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.35	27.65	27.80	27.55	25.45	26.65	27.65	26.00	27.30	27.65	28.15	28.20
10	27.55	27.80	27.75	27.45	24.00	26.95	27.65	26.05	27.20	27.75	28.25	28.25
15	27.70	28.00	27.90	27.20	24.25	26.80	27.25	26.40	27.50	27.80	28.30	28.20
20	27.85	28.20	28.00	27.40	25.00	27.05	26.45	26.65	27.45	27.90	28.30	28.25
25	27.65	28.50	28.05	27.60	25.60	27.20	26.25	26.70	27.70	27.95	28.25	28.35
Eom	27.45	28.40	27.70	27.40	26.15	27.40	26.65	27.10	27.60	28.05	28.35	28.35
1959												
5	28.20	23.90	23.45	24.40	25.00	26.50	27.60	28.35	28.85	29.00	28.35	27.60
10	28.20	24.10	23.75	24.40	25.35	26.80	27.80	28.40	28.90	28.60	28.25	27.55
15	28.15	21.75	23.75	24.65	25.40	26.90	27.95	28.50	28.70	28.45	28.30	27.10
20	27.90	21.90	24.05	25.15	25.90	27.10	28.15	28.60	28.65	28.45	28.20	26.20
25	23.85	22.65	24.25	25.50	26.00	27.35	28.20	28.70	28.90	28.45	28.20	26.65
Eom	23.80	22.95	24.55	25.40	26.45	27.50	28.30	28.80	29.00	28.40	28.00	26.70
1960												
5	26.35	26.20	26.15	23.10	25.95	26.80	27.45	28.35	28.75	28.75	28.90	28.90
10	26.25	26.10	26.35	22.65	26.00	26.95	27.60	28.35	28.80	28.80	28.95	29.00
15	26.25	25.25	26.50	23.90	25.25	27.05	27.60	28.40	28.60	28.80	28.90	29.00
20	25.20	25.55	26.60	24.65	25.95	27.05	28.00	28.50	28.65	28.85	28.90	29.05
25	25.65	25.85	26.70	25.50	26.05	27.25	28.10	28.55	28.80	28.90	28.90	29.10
Eom	26.00	26.00	26.10	25.70	26.25	27.50	28.25	28.70	28.75	28.90	28.90	29.10
1961												
5	29.20	29.20	25.95	24.15	22.40	25.05	26.40	27.25	.....	28.29	28.50	28.15
10	29.15	29.25	23.05	24.50	22.30	25.15	26.60	27.40	28.21	28.32	28.53	28.14
15	29.15	29.20	22.85	23.95	23.15	25.10	27.10	27.50	.....	28.36	28.51	28.15
20	29.10	28.75	23.50	23.30	23.55	25.45	27.25	.....	.....	28.42	28.46	28.08
25	29.10	27.60	23.60	22.80	24.20	25.70	27.35	.....	.....	28.46	28.38	27.90
Eom	29.15	26.40	24.25	21.60	24.85	26.30	27.50	.....	28.27	28.48	28.13	27.93
1962												
5	27.95	27.06	24.95	23.45	25.25	27.19	28.02	28.55	28.72	28.70	28.30	28.66
10	27.57	27.15	24.19	23.31	25.92	27.33	28.08	28.44	28.89	28.72	28.04	28.52
15	27.76	27.25	23.42	22.93	26.12	27.38	28.20	28.68	28.82	28.77	28.50	28.66
20	27.74	27.34	23.58	23.61	26.41	27.60	28.33	28.74	28.56	28.76	28.47	28.66
25	27.44	26.94	23.77	24.35	26.51	27.74	28.43	28.78	28.60	28.75	28.45	28.66
Eom	26.94	25.84	24.02	25.12	27.00	27.92	28.46	28.95	28.65	28.75	28.47	28.45

Wayne County

Wn-1a. Morton Salt Co. Lat 40°58', long 81°46'. Drilled unused water-table well in gravel, diam 10 in, depth 109 ft, cased to 109. Lsd 955 ft above msl. MP floor of instrument platform, 4.84 ft above lsd. Highest water level 73.85 below lsd, Sept. 4, 1962; lowest 88.85 below lsd, Sept. 23, 1953. Records available: 1952-62. Water levels affected by pumping.

Wn-1a--Continued.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	77.20	79.95	80.75	80.60	79.70	80.25	76.10	79.30	82.60	83.70	83.15	83.90
10	80.10	78.95	80.05	80.40	81.10	79.75	79.75	81.20	83.15	83.80	83.40	84.85
15	80.05	80.25	80.70	79.70	77.20	80.75	80.70	81.90	83.20	83.25	84.15	84.95
20	80.95	81.10	80.40	78.00	79.50	81.30	81.35	82.35	83.55	83.90	84.60	85.15
25	80.60	80.95	80.15	80.90	78.30	78.55	79.00	82.65	83.55	83.90	85.00	83.30
Eom	79.40	80.85	79.75	80.50	78.20	77.35	77.80	82.90	82.75	83.95	81.75	80.70

1959

5	82.20	84.70	85.30	85.25	84.75	85.75	82.10	86.40	87.15	87.20	87.50	86.50
10	83.75	84.50	85.30	85.35	85.50	86.10	84.90	86.60	86.10	87.40	87.00	87.30
15	83.75	85.05	85.20	85.20	85.95	86.25	85.60	86.75	86.55	87.50	87.90	87.35
20	84.70	85.20	85.30	85.25	85.25	86.15	85.85	86.80	87.15	87.60	87.70	87.50
25	84.45	85.15	85.25	85.75	86.15	86.20	86.20	86.90	87.20	87.00	87.55	86.20
Eom	85.10	84.90	85.05	83.50	84.20	84.20	86.30	86.75	87.10	87.60	84.95	86.30

1960

5	84.90	86.00	86.10	85.55	86.05	85.50	83.40	80.65	80.25	80.30	79.35	83.15
10	85.90	85.25	85.80	86.20	85.55	85.80	82.05	80.55	80.25	81.00	79.65	83.90
15	86.05	86.10	84.70	85.90	85.85	85.60	84.50	80.75	80.20	81.25	79.75	84.00
20	86.35	86.15	85.45	86.10	85.85	86.05	81.55	80.40	80.50	80.00	79.70	84.85
25	86.35	85.80	86.00	85.70	85.95	86.00	80.90	.....	80.15	81.10	79.25	83.60
Eom	86.20	86.10	85.40	85.85	84.45	85.40	80.75	81.50	80.25	79.00	81.20	84.40

1961

5	83.90	86.10	85.25	84.60	84.75	84.50	83.40	84.55	83.90	84.15	84.55	83.85
10	85.20	85.45	85.25	84.60	85.05	84.70	81.75	84.10	83.95	84.65	84.35	84.25
15	85.00	86.15	84.60	84.50	85.05	84.90	82.65	84.85	84.15	84.90	84.45	84.50
20	85.35	86.55	85.55	85.55	85.05	84.70	83.70	83.90	84.55	84.80	84.30	84.10
25	86.30	86.00	85.00	84.00	85.05	84.55	84.30	83.75	84.80	84.90	84.25	82.30
Eom	86.05	86.45	84.85	84.85	85.05	84.80	84.40	83.55	84.50	85.05	84.15	83.10

1962

5	83.00	.....	82.95	82.80	82.85	81.80	77.70	75.30	73.90	.....	77.90	77.40
10	83.85	83.60	82.50	82.80	82.70	81.75	77.40	75.15	75.35	77.20	77.80	77.55
15	83.55	83.40	82.50	82.70	82.55	80.65	76.80	74.95	76.20	77.40	78.00	77.85
20	83.65	83.45	82.20	82.60	82.05	79.35	76.65	74.45	76.85	77.50	78.05	78.05
25	83.40	83.60	82.80	82.30	82.20	78.80	76.10	74.45	76.80	77.90	77.45	.....
Eom	83.50	83.55	82.70	82.55	82.05	78.45	75.65	74.05	77.20	77.60	77.85	78.00

Wn-2a. City of Wooster. Lat 40°48', long 81°59'. Drilled unused water-table well in gravel, diam 6 in, depth 65 ft, cased to 65'. Lsd 855 ft above msl. MP floor of instrument shelter, 6.00 ft above lsd. Highest water level 1.55 below lsd, Jan. 27, 1952; lowest 26.00 below lsd, Dec. 20, 1962. Records available: 1951-62. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.35	17.05	.....	.....	20.15	.....	16.35	9.75	14.95	14.65	18.25	19.25
10	16.35	17.15	.....	18.30	11.70	16.85	16.20	9.45	15.35	17.90	19.25	18.85
15	17.65	18.30	.....	20.50	.....	14.15	15.55	13.35	15.65	17.90	18.65	18.90
20	17.30	.....	.....	21.35	.....	15.85	14.20	13.25	14.45	17.45	18.65	19.60
25	17.45	.....	.....	23.55	.....	15.55	15.45	11.80	17.00	18.15	19.10	18.85
Eom	16.30	.....	.....	22.90	.....	16.05	16.10	11.10	16.95	18.80	16.70	19.40

1959

5	18.95	.....	13.15	14.65	12.35	12.85	13.70	16.40	19.45	21.05	19.75	18.45
10	19.10	.....	13.60	15.95	13.10	15.80	16.30	17.00	20.15	19.70	19.70	19.15
15	19.15	.....	12.60	16.00	14.65	15.70	17.15	17.85	20.05	19.65	18.15	10.05
20	19.40	11.20	13.50	16.50	15.55	17.10	13.40	19.90	19.25	19.90	19.55	11.65
25	.....	12.35	14.35	17.05	16.75	17.45	13.75	20.55	21.25	18.80	18.95	10.85
Eom	.....	12.85	14.50	9.30	15.40	17.50	15.95	20.30	20.25	19.85	18.55	12.90

1960

5	13.00	15.15	15.40	10.70	17.35	18.90	18.60	20.50	21.10	22.35	22.80	23.50
10	13.80	14.50	16.60	12.15	17.20	19.35	19.00	21.65	22.00	22.25	23.00	23.15
15	12.15	10.85	17.20	14.15	17.35	18.95	19.35	21.80	21.60	22.35	22.45	23.40
20	13.10	12.85	17.40	17.50	18.00	18.35	19.55	21.40	22.10	22.45	22.85	23.40
25	13.65	13.85	17.55	15.90	19.15	18.85	19.85	21.15	21.95	22.50	22.75	21.45
Eom	13.95	14.10	10.20	16.55	18.45	19.00	20.10	24.50	22.10	22.75	22.95	23.50

1961

5	23.50	.....	.....	15.30	12.75	16.70	16.10	16.55	18.10	19.20	19.15	20.45
10	23.55	.....	.....	15.30	12.75	16.70	16.75	17.00	17.55	19.55	20.50	20.10
15	22.00	.....	15.15	15.45	12.75	16.70	17.60	16.95	19.00	18.65	20.60	20.65
20	24.65	.....	15.10	15.45	12.75	16.80	17.45	17.15	18.95	20.10	20.75	20.50
25	24.70	.....	15.10	15.45	12.75	16.80	15.85	17.80	19.50	20.15	19.05	18.70
Eom	24.80	.....	15.10	15.45	12.75	16.80	16.00	18.10	19.05	20.20	20.35	19.95

Wn-2a--Continued.

1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	20.55	18.00	12.10	14.45	18.30	20.05	21.60	23.20	24.70	25.25	25.05	25.10
10	20.30	18.15	12.70	14.75	18.25	19.65	22.05	23.55	24.80	25.15	25.25	.....
15	20.40	18.55	11.85	13.25	18.95	20.30	22.20	23.55	25.20	25.25	25.15	25.20
20	20.50	18.75	12.85	16.70	19.65	20.75	23.15	23.70	25.30	25.20	25.10	26.00
25	20.30	18.70	11.50	17.10	20.40	20.90	22.95	24.55	25.10	25.35	.....	24.70
Eom	18.00	12.75	13.55	17.50	19.75	22.05	23.15	25.10	24.95	25.25	.....	.....

References

Kaser, Paul, 1961, Ground-water levels in Ohio, October 1954 - September 1959: Ohio Dept. Nat. Resources, Div. of Water Bull. 34.

PENNSYLVANIA

By William C. Roth

The observation-well program in Pennsylvania, begun in 1930, was continued during 1958 through 1962 in cooperation with the Topographic and Geologic Survey, Pennsylvania Department of Internal Affairs. Water-level measurements are reported for 49 wells, 14 of which are equipped with recording gages and the remainder are measured periodically with a steel tape. Figure 12 shows the location of observation wells included in this report.

Well-Numbering System

The well-numbering system used in Pennsylvania includes a well-identification number followed by a location number in parentheses. The well-identification number consists of a two-letter symbol for the name of the county and a serial number beginning with 1 in each county. For example, Mg-83 identifies the 83d well recorded in Montgomery County.

The well-location number is composed of two parts separated by a hyphen--J22b-1205. "J22b" refers to the coordinate system used to identify the individual $7\frac{1}{2}$ -minute quadrangle areas. The letters A through L (except I) appear along the west border of the map of Pennsylvania; the numbers 1 through 25 appear along the north border. Each pair of coordinates designates a 15-minute quadrangle, subdivided into four parts, "a" representing the northwest quarter, "b" the northeast, "c" the southwest, and "d" the southeast. 1205 identifies the north west corner of a one-hundredth square-mile area within the $7\frac{1}{2}$ -minute quadrangle designated by "J22b." The first two figures "12" refer to the number of tenths of a mile between the northern boundary of the $7\frac{1}{2}$ -minute quadrangle area and the northern boundary of the one-hundredth square-mile area. The last two figures "05" represent the distance between the western boundary of the $7\frac{1}{2}$ -minute quadrangle and the one-hundredth square-mile area. Thus, a well with the location number J22b-1205 is situated between 1.2 and 1.3 miles south and between 0.5 and 0.6 mile east of the north and west boundaries, respectively, of the $7\frac{1}{2}$ -minute quadrangle designated "J22b."

Well Descriptions and Water-Level Measurements

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

Armstrong County

Ar-2(G5a-4744). Martin J. Cordera. Schenley. Lat $40^{\circ}40'50''$, long $79^{\circ}39'50''$. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 82 ft, cased with steel. Lsd about 780 ft above msl. MP top of casing, 0.38 ft above lsd (since Aug. 27, 1957). Highest water level 24.82 below lsd, Jan. 23, 1959; lowest 40.7 below lsd, Dec. 11, 1957 (previously reported 39.95 below lsd, Oct. 28, 1953). Records available: 1949-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	38.52	Apr. 19, 1958	36.62	Aug. 2, 1958	36.64	Nov. 12, 1958	38.78
11	39.24	26	37.12	8	37.03	19	35.50
18	38.11	May 3	34.63	15	36.82	26	37.07
25	38.19	10	30.12	22	38.34	Dec. 3	36.72
Feb. 1	38.45	17	37.07	29	38.06	10	37.80
8	38.90	24	38.21	Sept. 5	38.92	17	38.60
15	39.13	31	38.73	12	38.00	24	38.70
22	39.27	June 7	38.40	19	39.06	31	38.26
Mar. 1	33.05	14	36.21	26	38.28	Jan. 7, 1959	38.47
8	35.60	21	37.92	Oct. 3	38.32	14	38.57
15	37.77	28	37.78	10	39.28	23	24.82
22	38.10	July 5	38.87	17	39.55	28	33.34
29	34.50	12	37.07	24	39.57	Feb. 4	36.02
Apr. 5	35.79	19	34.37	Nov. 1	39.31	11	28.97
12	34.11	26	36.42	5	39.18	18	33.25

Ar-2(G5a-4744)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 25, 1959	36.47	Feb. 17, 1960	34.53	Feb. 1, 1961	39.83	Jan. 17, 1962	37.41
Mar. 4	36.42	24	36.89	8	39.85	24	37.11
11	35.52	Mar. 2	37.65	15	39.57	31	35.75
18	33.37	9	38.12	22	30.69	Feb. 7	37.30
25	35.50	16	38.22	Mar. 1	27.87	14	38.37
Apr. 1	34.50	23	38.11	8	31.32	21	38.41
8	32.71	30	30.47	15	33.56	28	35.17
15	36.40	Apr. 5	27.33	22	35.50	Mar. 7	36.18
22	37.17	13	34.78	29	36.64	14	34.51
29	33.14	20	36.36	Apr. 5	36.20	21	36.07
May 6	35.05	26	37.53	12	33.98	28	33.25
13	37.60	May 4	38.08	19	31.62	Apr. 4	32.35
20	37.25	11	30.61	26	28.22	11	32.11
27	38.07	18	34.27	May 3	33.67	18	33.05
June 3	38.10	25	35.69	10	34.64	25	36.60
10	38.94	June 1	36.09	17	36.01	May 2	36.42
17	38.72	8	37.80	24	36.08	9	37.09
24	38.41	15	35.68	31	37.47	16	37.89
July 1	37.82	22	37.20	June 7	37.26	23	38.52
8	38.40	29	38.08	14	35.35	30	38.54
15	38.83	July 6	38.49	21	37.69	June 6	38.67
22	38.87	13	38.87	28	38.14	13	38.70
29	38.73	20	39.20	July 5	38.37	20	38.04
Aug. 5	38.92	27	38.96	12	38.92	27	38.81
12	38.99	Aug. 3	38.87	19	38.77	July 4	39.17
19	39.21	10	38.41	26	37.82	11	39.34
26	38.77	17	39.10	Aug. 2	38.23	18	39.37
Sept. 2	38.78	24	39.18	9	38.36	25	39.22
9	39.20	31	39.30	16	39.04	Aug. 1	39.24
16	39.32	Sept. 7	39.30	23	39.11	8	39.32
23	39.37	14	38.85	30	39.00	15	39.30
30	39.25	21	38.90	Sept. 6	38.63	22	39.37
Oct. 7	37.87	28	39.30	13	39.59	29	39.50
14	38.33	Oct. 5	38.38	20	39.89	Sept. 5	39.18
21	38.97	12	39.44	27	39.96	12	39.22
28	35.69	19	39.32	Oct. 4	39.98	19	39.32
Nov. 4	35.14	26	37.12	11	40.02	26	39.39
11	37.12	Nov. 2	39.20	18	40.07	Oct. 3	37.92
18	36.37	9	39.06	25	40.13	10	38.35
25	36.20	16	38.96	Nov. 1	39.82	17	39.26
Dec. 2	35.67	23	39.32	8	39.95	24	39.42
9	35.45	30	39.24	15	38.74	31	38.12
16	29.51	Dec. 7	38.26	22	38.61	Nov. 7	38.68
23	36.47	14	38.48	29	36.87	14	37.12
30	32.94	21	39.50	Dec. 6	39.01	21	38.10
Jan. 6, 1960	32.59	28	39.45	13	38.27	28	38.25
13	36.40	Jan. 4, 1961	39.18	20	37.18	Dec. 5	38.47
20	33.56	11	38.73	27	37.24	12	38.97
27	37.11	18	38.59	Jan. 3, 1962	39.12	19	38.47
Feb. 3	37.00	25	39.30	10	34.94	26	38.10
10	35.37						

Bedford County

Bed-3(J10b-2363). Mrs. Annie Hoffman. Formerly W. M. Hoffman. Norris and Liberty Sts., Saxton. Lat 40°12'50", long 78°15'20". Dug unused water-table well in shale of Chemung Formation or Portage Group of Upper Devonian age, diam 5 ft, depth 58 ft, cased with stone. Lsd about 895 ft above msl. MP top of hole in cover, 0.30 ft above lsd. Highest water level 44.08 below lsd, Apr. 16, 1948; lowest 53.69 below lsd, Feb. 13, 1948. Records available: 1941-62. Measurement discontinued.

Jan. 3, 1958	52.42	Feb. 28, 1958	49.88	Apr. 25, 1958	50.60	June 20, 1958	51.62
10	52.48	Mar. 7	50.02	May 2	50.52	27	51.62
17	52.62	14	50.52	9	45.52	July 4	51.66
24	52.46	21	50.82	16	49.10	11	51.66
31	52.22	28	49.14	23	50.38	18	51.68
Feb. 7	52.16	Apr. 4	49.58	30	50.60	25	51.68
14	52.14	11	49.30	June 6	51.60	Aug. 1	51.62
21	52.28	18	50.50	13	51.60	8	50.68

Bd-3(J10b-2363)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 15, 1958	50.64	Oct. 9, 1959	51.70	Nov. 11, 1960	52.62	Dec. 8, 1961	52.62
22	50.68	16	51.62	18	52.64	15	52.64
29	51.64	23	50.66	25	52.68	22	51.68
Sept. 5	51.64	30	50.68	Dec. 2	52.68	29	51.70
12	51.64	Nov. 6	50.68	9	52.66	Jan. 5, 1962	51.64
19	51.64	13	50.70	16	52.64	12	51.70
26	51.64	20	51.62	23	52.66	19	51.68
Oct. 3	51.64	27	50.64	30	52.64	26	52.62
10	51.68	Dec. 4	49.68	Jan. 6, 1961	53.62	Feb. 2	51.68
17	51.70	11	49.70	13	52.70	9	51.66
24	51.70	18	50.64	20	52.66	16	51.62
31	52.62	25	50.62	27	52.64	23	50.70
Nov. 7	51.64	Jan. 1, 1960	50.64	Feb. 3	52.66	Mar. 2	50.68
14	52.62	8	50.64	10	52.68	9	50.66
21	52.64	15	49.68	17	52.92	16	50.66
28	52.62	22	49.64	24	50.68	23	50.62
Dec. 5	52.60	29	50.66	Mar. 3	50.70	30	48.64
12	52.60	Feb. 5	50.70	10	51.62	Apr. 6	47.70
19	52.68	12	50.68	17	50.66	13	47.68
26	52.70	19	50.64	24	50.64	20	48.68
Jan. 2, 1959	52.68	26	50.62	31	50.64	27	48.70
9	52.68	Mar. 4	50.66	Apr. 7	50.68	May 4	49.66
16	52.68	11	50.68	14	50.66	11	50.64
23	52.66	17	50.68	21	50.64	18	50.62
30	52.62	27	50.62	28	50.62	25	50.68
Feb. 6	52.66	Apr. 1	49.66	May 5	49.70	June 1	50.64
13	51.66	8	49.62	12	49.68	9	50.66
20	51.68	15	49.68	19	51.62	15	50.70
27	52.62	22	50.66	27	50.94	22	51.62
Mar. 6	52.62	29	50.70	June 2	50.64	29	52.34
13	51.68	May 6	51.62	9	50.62	July 6	52.70
20	50.68	13	50.62	16	50.66	13	52.64
27	50.68	20	49.70	23	51.62	20	53.60
Apr. 3	50.70	27	49.68	30	51.64	27	53.62
10	50.68	June 3	49.68	July 7	51.66	Aug. 3	51.68
17	50.64	10	50.66	14	51.62	10	51.64
24	50.68	17	50.64	21	50.70	17	53.62
May 1	50.66	24	50.68	28	50.68	24	53.66
29	50.70	July 1	50.70	Aug. 4	52.62	31	53.64
June 5	50.70	8	50.68	11	51.70	Sept. 7	52.64
12	51.62	15	51.62	18	51.68	14	53.64
19	50.70	22	51.62	25	51.70	21	53.66
26	51.62	29	50.70	Sept. 1	52.64	28	52.64
July 3	50.70	Aug. 5	50.60	8	52.68	Oct. 5	52.62
10	51.64	12	51.64	15	52.66	12	52.66
17	51.66	19	51.98	22	52.68	19	52.68
24	51.68	26	51.70	29	52.70	26	53.62
31	51.70	Sept. 2	52.92	Oct. 6	53.66	Nov. 2	53.66
Aug. 7	51.70	9	52.94	13	53.20	9	53.64
14	51.66	16	51.66	20	52.68	16	53.62
21	51.70	23	51.98	27	52.70	23	53.64
28	50.70	30	51.70	Nov. 3	52.68	30	53.68
Sept. 4	50.68	Oct. 7	52.62	13	52.64	Dec. 7	53.68
11	51.68	14	52.66	17	52.62	14	53.64
18	51.68	21	52.64	24	51.66	21	53.66
25	52.62	28	52.66	Dec. 1	51.70	28	53.64
Oct. 2	52.62	Nov. 4	51.70				

Berks County

Be-3(J20b-3547). Commonwealth of Pennsylvania. French Creek State Park. Near Elver-son. Lat 40°11'50", long 75°47'00". Drilled unused water-table well in Vintage Dolomite of Lower Cambrian age, diam 4 in, depth 34 ft (previously reported 37 ft). Lsd about 540 ft above msl. MP top of casing, at lsd. Highest water level 22.43 below lsd, June 22, 1948; lowest dry, many times, 1954-62. Records available: 1948-62. Well filled with debris, Nov. 16, 1962; measurement discontinued.

Be-3(J20b-3547)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1958	(f)	Dec. 3, 1958	(f)	Dec. 30, 1959	(f)	Oct. 4, 1961	(f)
Mar. 11	35.10	12	(f)	Jan. 28, 1960	(f)	26	(f)
Apr. 7	29.30	20	(f)	Apr. 21	30.54	Nov. 17	(f)
23	27.45	30	(f)	May 20	29.03	Dec. 5	(f)
July 18	28.94	Jan. 10, 1959	(f)	June 21	28.89	Jan. 4, 1962	(f)
31	29.15	16	(f)	Aug. 18	31.62	Feb. 15	(f)
Aug. 15	31.55	24	(f)	Sept. 16	33.16	Mar. 9	(f)
23	32.55	Apr. 22	34.02	Oct. 13	33.44	Apr. 5	34.17
29	32.72	May 8	34.02	Nov. 10	33.28	27	30.11
Sept. 13	34.49	15	33.51	Dec. 9	34.31	May 25	28.56
22	35.90	22	32.95	Mar. 1, 1961	32.91	June 25	30.89
Oct. 9	36.85	29	32.86	Apr. 19	26.68	July 25	(f)
22	(f)	June 5	32.83	May 19	23.87	Aug. 22	(f)
30	(f)	12	32.90	June 16	26.20	Sept. 21	(f)
Nov. 7	(f)	19	32.92	July 11	29.11	Oct. 15	(f)
14	(f)	26	33.16	Aug. 11	31.60	Nov. 15	(f)
21	(f)	Dec. 1	(f)	Sept. 6	(f)		

f Dry.

Be-4(J20b-4426). Commonwealth of Pennsylvania. French Creek State Park. Near Elverston. Lat 40°11'00", long 75°49'30". Dug unused water-table well in sandstone or shale of Stockton Formation of Upper Triassic age, diam 4 ft, depth 20 ft. Lsd 694 ft above msl. MP top edge of hole in cover, at lsd. Highest water level 4.53 below lsd, Apr. 7, 1958; lowest dry, Aug. 12, 1949. Records available: 1948-62. Recorder installed Apr. 16, 1962.

Jan. 11, 1958	13.06	Dec. 3, 1958	14.20	June 26, 1959	14.13	Mar. 24, 1961	8.06
Mar. 11	9.10	12	13.10	Dec. 1	16.01	Apr. 15	5.81
Apr. 7	4.53	20	13.90	30	9.71	May 15	8.73
July 18	13.26	30	14.10	Jan. 28, 1960	10.91	June 16	13.78
31	13.35	Jan. 10, 1959	13.50	Feb. 25	10.09	July 11	11.05
Aug. 15	15.15	16	13.50	Mar. 24	10.87	Aug. 11	10.00
23	15.28	24	12.10	Apr. 21	10.33	Sept. 6	10.93
29	15.34	Apr. 22	9.51	May 20	11.05	Oct. 4	16.18
Sept. 13	15.81	May 8	9.51	June 21	10.41	26	16.57
22	15.93	15	9.12	Aug. 18	14.91	Nov. 17	16.00
Oct. 9	16.00	22	11.93	Sept. 16	14.91	Dec. 5	16.03
30	15.80	29	12.60	Oct. 13	12.60	Jan. 4, 1962	15.20
Nov. 7	15.20	June 5	12.68	Nov. 10	13.02	Feb. 15	14.74
14	15.20	12	13.22	Jan. 24, 1961	9.82	Mar. 9	14.59
21	15.30	19	13.58	Mar. 1	6.66	Apr. 5	7.29

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.45	.....	15.61	16.35	16.78	.....	.....
10	11.84	13.80	.....	15.65	16.48	16.85	.....	.....
15	12.15	13.76	.....	15.70	16.56	.....	.....	12.26
20	8.58	12.33	14.26	.....	15.86	16.56	.....	.....	13.25
25	9.92	12.79	14.46	15.44	16.11	16.71	.....	.....	13.55
Eom	10.86	13.15	14.63	15.55	16.27	16.72	.....	.....	13.61

Bradford County

Br-2(B18c-7333). Mrs. C. Holon. Formerly C. Holon. East Towanda. Lat 41°46'00", long 76°26'00". Dug unused water-table well in shale of Chemung Formation of Upper Devonian age and/or drift of Pleistocene age, diam 30 in, depth 64 ft, cased with brick. Ls1 820 ft above msl. MP top of platform, 0.40 ft above lsd. Highest water level 17.00 below lsd, May 25, 1947; lowest 61.86 below lsd, Nov. 8, 1962. Records available: 1931-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1958	55.00	Mar. 16, 1958	27.82	May 24, 1958	33.05	Aug. 3, 1958	47.76
12	55.31	23	27.41	June 1	37.34	10	48.27
19	55.50	29	24.94	8	39.72	17	48.84
26	51.75	Apr. 6	27.40	15	41.44	24	49.38
Feb. 2	49.82	13	23.88	22	42.79	31	49.90
10	48.30	20	28.65	29	43.90	Sept. 7	50.50
15	47.45	27	27.32	July 6	44.80	14	51.14
22	47.63	May 4	28.22	13	45.59	21	51.75
Mar. 2	34.60	11	23.86	20	46.37	27	52.42
9	28.56	18	27.20	27	47.11	Oct. 5	53.00

Br-2(B18c-7333)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 12, 1958	53.60	Nov. 7, 1959	57.93	Nov. 27, 1960	47.20	Dec. 14, 1961	52.28
19	54.26	15	49.90	Dec. 3	47.89	22	58.75
26	54.70	21	47.93	11	48.54	29	59.13
Nov. 2	55.03	28	48.63	18	49.06	Jan. 5, 1962	59.46
9	55.37	Dec. 5	36.44	24	49.58	11	59.85
16	55.76	12	31.24	31	50.18	18	60.09
23	56.08	19	30.90	Jan. 8, 1961	50.86	25	60.08
30	56.30	26	34.51	15	51.54	Feb. 1	61.29
Dec. 7	56.80	Jan. 2, 1960	30.78	21	51.83	9	61.34
14	57.10	9	32.58	28	52.64	15	61.49
21	53.45	16	33.21	Feb. 4	53.20	23	61.68
28	54.40	23	33.19	11	53.71	Mar. 1	57.07
Jan. 4, 1959	55.07	30	35.47	19	54.01	8	57.74
11	55.50	Feb. 6	34.13	26	29.41	15	50.58
18	55.88	13	31.50	Mar. 5	28.58	22	53.82
25	53.57	20	30.43	12	27.86	29	44.14
Feb. 1	55.34	27	29.93	19	28.75	Apr. 5	31.99
8	55.76	Mar. 5	31.84	26	27.96	12	29.97
15	53.46	12	35.04	Apr. 2	29.95	19	29.44
22	55.36	19	37.94	9	31.58	26	33.02
Mar. 1	56.03	26	35.69	16	26.47	May 3	30.30
8	53.93	Apr. 2	28.00	23	27.52	10	33.48
14	54.96	9	24.91	30	23.31	17	39.00
22	52.09	16	25.51	May 7	29.14	24	42.16
29	48.85	23	24.91	14	25.74	31	44.35
Apr. 6	34.19	May 1	24.91	21	30.43	June 7	46.11
12	29.81	7	24.90	28	35.29	14	47.57
18	33.32	15	28.38	June 4	38.44	21	48.84
26	33.00	21	29.51	11	40.77	27	49.82
May 3	27.00	28	32.16	16	41.89	July 5	50.95
10	33.75	June 5	35.00	25	43.63	12	51.56
17	38.00	11	38.63	29	44.27	19	52.65
24	41.74	18	29.33	July 6	45.19	26	53.31
31	43.75	25	29.10	13	45.97	Aug. 2	54.10
June 7	45.27	July 2	34.58	20	46.68	9	54.77
14	46.52	9	38.62	27	46.70	16	54.65
21	47.62	19	41.97	Aug. 3	47.97	23	56.12
28	48.81	23	43.10	10	48.56	30	56.62
July 6	49.77	31	43.84	17	48.67	Sept. 6	57.21
12	50.47	Aug. 6	44.69	24	49.67	13	57.72
19	51.26	13	45.80	31	50.13	20	58.17
25	51.98	17	46.15	Sept. 8	50.70	27	58.59
Aug. 1	52.75	20	46.47	14	51.31	Oct. 6	59.07
9	53.56	27	47.27	21	51.89	11	59.48
16	54.24	Sept. 3	47.98	27	51.81	18	59.89
22	54.83	10	48.57	Oct. 5	54.49	25	60.34
30	55.52	17	43.62	13	54.47	Nov. 1	60.62
Sept. 5	56.06	24	38.04	19	54.77	8	61.86
12	56.61	Oct. 2	41.54	26	55.17	15	61.26
20	57.18	8	43.29	Nov. 3	55.66	23	53.42
26	57.61	15	44.96	10	56.15	29	48.94
Oct. 9	57.75	22	45.77	16	56.46	Dec. 6	51.26
11	57.91	29	45.53	23	56.88	13	40.35
17	58.33	Nov. 5	45.14	30	57.36	20	42.86
24	58.76	13	42.52	Dec. 7	57.83	27	44.69
31	58.76	19	46.12				

Cambria County

Ca-1(H8c-3343). Johnstown Tribune Publishing Co. Johnstown. Lat 40°19'38", long 78°55'06". Drilled unused water-table well in sandstone of Homewood Formation (previously reported Allegheny Formation) of Pennsylvanian age, diam 12 to 8 in, depth 180 ft (previously reported 45 ft), cased to 45. Lsd 1,165 ft (previously reported 1,160 ft) above msl. MP top of casing, 10.00 ft below lsd. Highest water level 16.50 below lsd, Mar. 8, 1956; lowest 26.78 below lsd, July 23, 1953. Records available: 1952-62.

Ca-1(H8c-3343)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	21.1	Mar. 26, 1959	21.5	June 6, 1960	22.8	Oct. 8, 1961	22.5
13	21.6	Apr. 2	21.7	13	23.0	16	22.2
20	21.0	9	21.8	20	23.2	23	21.4
27	20.8	16	21.1	27	23.4	30	21.0
Feb. 3	21.1	23	21.9	July 5	23.5	Nov. 6	21.9
10	21.1	30	20.7	11	23.7	13	21.2
17	21.1	May 7	22.8	18	23.5	20	20.9
24	21.1	14	22.2	25	23.7	27	20.0
Mar. 3	19.9	21	24.1	Aug. 1	23.8	Dec. 4	20.4
10	19.9	28	23.8	8	23.9	11	20.5
17	20.9	June 4	23.4	15	25.3	18	19.6
24	20.8	11	23.8	22	24.0	26	19.4
31	19.3	18	23.4	29	24.2	Jan. 8, 1962	18.6
Apr. 7	17.7	25	25.7	Sept. 5	24.1	15	19.3
14	19.8	July 2	24.9	12	23.3	22	19.5
21	21.0	9	24.7	19	23.3	29	19.0
28	20.5	16	25.6	26	23.7	Feb. 5	19.0
May 5	19.4	23	23.8	Oct. 20	23.8	12	19.2
12	19.6	30	24.7	Nov. 14	22.4	19	19.5
19	20.7	Aug. 6	23.2	21	23.7	23	18.3
26	21.0	13	22.8	28	22.4	Mar. 5	18.4
June 2	21.3	20	22.6	Dec. 5	22.2	12	18.6
9	22.9	27	22.9	12	22.1	19	18.4
16	21.8	Sept. 3	22.8	19	22.0	23	17.1
23	22.2	10	22.4	26	21.9	Apr. 2	17.4
30	22.5	17	22.2	Jan. 9, 1961	21.7	9	16.7
July 7	23.1	24	22.4	19	21.7	16	17.4
14	23.2	Oct. 1	21.6	26	21.8	23	18.1
21	23.4	8	21.6	Feb. 2	21.7	30	19.9
28	23.0	15	20.9	9	21.9	May 7	20.1
Aug. 4	20.3	22	20.8	20	19.1	14	20.1
11	22.2	29	19.9	27	18.1	21	20.5
18	22.5	Nov. 5	19.4	Mar. 6	18.2	23	20.5
25	22.9	12	20.7	13	19.8	June 4	20.5
Sept. 2	23.5	19	21.6	20	20.0	11	21.6
8	23.2	26	21.6	27	20.3	18	20.7
15	23.6	Dec. 3	21.3	Apr. 3	20.2	25	21.3
22	21.6	10	21.6	10	20.5	July 5	20.6
29	21.8	17	21.1	17	19.1	12	21.0
Oct. 6	22.1	24	21.6	24	19.9	19	20.9
13	21.3	31	21.2	May 1	20.1	23	20.9
20	20.8	Jan. 7, 1960	21.2	8	20.5	Aug. 2	21.2
27	20.6	14	20.4	15	20.9	9	20.9
30	20.8	21	20.9	22	20.9	16	20.7
Nov. 6	20.5	28	21.7	29	21.2	23	21.0
13	20.2	Feb. 4	20.9	June 5	22.4	30	21.0
20	20.2	8	21.3	12	22.6	Sept. 6	20.5
27	20.1	15	20.9	19	22.6	13	20.2
Dec. 4	19.7	22	21.2	26	22.9	20	22.0
11	19.5	29	21.4	July 3	22.9	27	21.9
18	19.6	Mar. 7	21.5	10	23.0	Oct. 8	20.0
26	19.3	14	21.6	17	22.3	15	20.2
Jan. 2, 1959	18.9	21	21.5	24	22.9	22	20.4
8	19.2	28	21.3	31	22.6	29	20.9
15	20.7	Apr. 4	18.0	Aug. 7	22.7	Nov. 5	20.3
22	19.4	11	20.7	14	22.9	12	19.7
29	21.2	18	21.3	21	23.0	19	20.0
Feb. 5	21.4	25	21.8	28	22.9	26	19.1
12	21.1	May 2	22.0	Sept. 5	22.8	Dec. 3	19.2
19	21.0	9	18.3	11	23.2	10	18.9
26	21.4	16	20.3	18	23.0	17	18.9
Mar. 5	21.8	23	21.2	25	22.5	24	18.8
12	21.4	31	20.9	Oct. 2	22.5	31	18.8
19	21.4						

Chester County

Ch-5(J21c-2001). John D. Hefferman. Formerly Richard Cadbury. Wallace Township. Lat 40°05'40", long 75°44'50". Dug unused water-table well in Precambrian quartz monzonite, diam 30 in, depth 12 ft, cased with stone. Lsd 550 ft (previously reported about 560 ft) above msl. MP top of wooden cover, 0.30 ft above lsd. Highest water level 0.17 below lsd, Apr. 21, 1960; lowest dry, Nov. 6-Dec. 4, 1954, Oct. 26-Dec. 28, 1957. Records available: 1951-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1958	9.49	Sept. 13, 1958	2.46	Mar. 25, 1959	2.46	Dec. 9, 1960	4.65
16	9.20	18	2.64	Apr. 4	2.42	Jan. 6, 1961	4.95
20	9.04	27	2.63	11	2.38	Mar. 6	2.17
Feb. 10	3.83	Oct. 4	2.84	18	2.37	24	2.92
17	3.68	11	3.15	May 2	2.42	Apr. 19	2.95
24	3.77	18	3.46	9	2.43	May 19	2.08
Mar. 12	2.12	25	3.62	17	2.37	June 16	2.42
19	2.11	Nov. 1	3.84	27	2.42	July 11	2.58
26	2.00	8	3.94	July 8	2.45	Aug. 11	3.20
Apr. 2	1.33	15	4.20	18	4.95	Sept. 5	4.50
9	1.37	22	4.50	23	4.20	Oct. 5	6.20
16	1.60	29	4.48	Aug. 5	5.95	26	7.50
23	1.74	Dec. 6	4.36	13	6.50	Nov. 27	8.57
30	1.69	13	4.45	21	7.40	Dec. 5	9.28
May 9	1.73	20	4.64	Sept. 4	5.05	Jan. 4, 1962	8.83
16	1.84	27	4.86	Nov. 17	5.96	Feb. 15	8.25
23	1.92	Jan. 3, 1959	4.93	23	5.95	Mar. 6	3.89
30	1.97	10	5.03	30	5.95	Apr. 5	2.25
June 6	1.97	17	5.25	Feb. 25, 1960	2.03	27	2.04
13	1.99	24	5.42	Mar. 24	2.02	May 25	2.26
20	2.04	31	5.65	Apr. 21	1.17	June 26	2.41
27	2.10	Feb. 7	5.64	May 20	2.21	July 25	5.62
July 31	1.96	14	5.44	June 21	2.06	Aug. 22	6.38
Aug. 7	2.07	21	4.66	July 20	2.27	Sept. 21	8.21
14	2.09	28	4.47	Aug. 18	3.24	Oct. 19	9.53
21	2.19	Mar. 7	3.79	Sept. 16	2.51	Nov. 16	9.62
27	2.09	14	2.56	Oct. 13	2.57	Dec. 13	7.22
Sept. 6	2.29	21	2.38	Nov. 10	3.57		

Ch-10(K20b-5932). Robert J. Kelberg, Jr. Doe Run. Lat 39°54'40", long 75°48'50". Drilled unused water-table well in Cockeysville Marble of lower Paleozoic (?) ags, diam 6 in, depth 34 ft. Lsd 300 ft above msl. MP top of wooden cover, 1.00 ft above lsd. Highest water level 8.28 below lsd, Mar. 30, 1958; lowest 15.73 below lsd, Nov. 12, 1954. Records available: 1951-62.

Jan. 7, 1956	15.2	Mar. 31, 1957	13.03	May 25, 1958	10.70	July 26, 1959	14.50
21	15.1	Apr. 7	11.14	June 8	11.67	Aug. 9	14.68
Feb. 5	13.4	14	11.54	22	11.82	23	14.82
19	12.07	28	12.54	July 6	12.32	Sept. 6	14.03
Mar. 4	12.8	May 14	12.98	20	12.15	20	14.62
18	10.52	26	13.4	Aug. 3	11.63	Oct. 4	14.90
Apr. 1	11.14	June 9	13.5	17	11.55	18	14.95
15	11.3	23	14.09	31	11.06	Nov. 1	14.84
29	12.18	July 7	14.39	Sept. 14	12.22	15	14.80
May 28	13.54	28	14.8	28	12.51	29	14.68
June 10	13.68	Aug. 18	15.12	Oct. 12	12.83	Dec. 13	12.04
24	13.78	Sept. 1	15.2	26	12.70	Jan. 3, 1960	11.97
July 9	12.44	15	15.27	Nov. 9	12.41	17	12.17
22	13.14	29	15.2	23	13.05	31	12.56
Aug. 5	13.68	Oct. 13	15.35	Dec. 7	12.46	Feb. 14	12.32
19	14.1	27	15.44	21	13.26	28	11.20
Sept. 2	14.37	Nov. 10	15.49	Jan. 4, 1959	12.63	Mar. 20	11.96
16	14.6	24	15.39	25	13.17	Apr. 3	11.44
30	14.65	Dec. 8	14.88	Feb. 8	12.85	17	11.44
Oct. 14	14.58	15	14.8	22	12.50	May 1	11.48
28	14.60	29	11.70	Mar. 8	12.19	15	12.58
Nov. 18	13.20	Jan. 20, 1958	12.52	22	12.16	29	10.94
Dec. 2	13.54	Feb. 2	11.13	Apr. 5	11.66	June 12	12.06
16	12.05	16	11.94	19	12.20	27	13.02
30	12.14	Mar. 2	10.70	May 3	12.86	July 10	13.20
Jan. 20, 1957	13.29	16	9.75	17	13.33	24	13.44
Feb. 3	13.2	30	8.28	31	13.74	Aug. 7	13.48
17	12.3	Apr. 13	9.20	June 14	14.32	21	13.42
Mar. 3	12.40	27	10.59	28	14.26	Sept. 4	13.78
17	12.48	May 11	9.19	July 11	14.54	10	11.76

Ch-10(K20b-5932)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 2, 1960	12.50	May 21, 1961	11.56	Dec. 28, 1961	14.39	July 15, 1962	14.50
16	13.14	June 4	12.20	Jan. 14, 1962	13.51	29	14.78
30	13.13	25	12.66	28	13.99	Aug. 11	14.81
Nov. 13	13.00	July 11	13.07	Feb. 11	14.37	Sept. 2	15.13
27	13.42	16	12.89	25	13.04	15	15.44
Dec. 17	13.72	31	13.35	Mar. 4	12.32	30	15.32
Jan. 1, 1961	13.82	Aug. 20	13.77	18	11.18	Oct. 7	15.25
17	12.64	Sept. 4	13.86	31	11.34	14	15.26
29	12.90	17	14.10	Apr. 15	11.18	28	15.42
Feb. 12	13.34	Oct. 1	14.32	29	12.17	Nov. 4	15.25
Mar. 5	10.12	15	14.44	May 13	13.15	14	14.72
19	10.55	29	14.63	27	13.53	Dec. 3	14.26
Apr. 9	11.00	Nov. 12	14.78	June 10	13.89	16	13.92
23	10.22	26	14.62	24	14.87	30	14.38
May 7	10.98	Dec. 17	14.92	July 7	14.36		

Ch-11(K20b-7632). J. E. Ryan. West Marlboro Township. Lat 39°53'10", long 75°48'50".

Dug unused water-table well in Baltimore Gneiss of Precambrian age, diam 24 in, depth 20 ft, cased with stone. Lsd 540 ft above msl. MP top of manhole cover, at lsd. Highest water level 10.24 below lsd, Mar. 20, 1953; lowest 15.16 below lsd, Sept. 14, 1954. Records available: 1950-62.

Jan. 13, 1958	13.29	May 7, 1959	12.93	Aug. 16, 1960	12.60	Oct. 25, 1961	13.77
Feb. 10	12.73	29	12.83	Sept. 15	12.24	Nov. 16	13.86
Mar. 12	12.35	June 24	13.28	Oct. 12	12.43	Dec. 4	13.87
Apr. 8	10.95	July 21	13.61	Nov. 9	12.68	Jan. 3, 1962	13.82
May 9	10.49	Aug. 19	13.97	Dec. 8	12.86	Feb. 1	13.59
June 7	11.41	Sept. 10	13.67	Jan. 5, 1961	12.72	Mar. 5	12.99
July 1	11.91	Oct. 8	14.19	Feb. 2	12.74	Apr. 4	12.67
Aug. 1	12.18	Nov. 2	14.07	28	11.39	26	12.48
28	12.14	Dec. 2	13.98	Mar. 23	11.18	May 24	12.91
Sept. 25	12.99	29	13.20	Apr. 20	10.77	June 25	13.42
Oct. 23	12.89	Jan. 27, 1960	12.74	May 18	11.15	July 24	14.01
Nov. 24	12.79	Feb. 24	12.37	June 15	12.02	Aug. 25	14.29
Dec. 15	12.81	Mar. 23	12.17	July 10	12.32	Sept. 30	14.66
Jan. 13, 1959	12.92	Apr. 20	11.57	Aug. 10	12.83	Oct. 18	14.77
Feb. 11	12.99	May 19	11.99	Sept. 5	13.81	Nov. 15	14.46
Mar. 11	13.05	June 20	11.85	Oct. 5	13.54	Dec. 12	14.03
Apr. 22	12.34	July 20	12.55				

Ch-152(J21b-7959). Phoenix Iron and Steel Co. (Bridge Co. Vault Well #2). Phoenixville. Lat 40°08'06", long 75°30'30". Drilled unused artesian well in sandstone of Stockton Formation of Triassic age, diam 12 to 8 in, depth 750 ft, cased to 35. Lsd 85 ft above msl. MP top of casing, 0.10 ft above lsd. Highest water level flowing, many times 1960-62; lowest 10.60 below lsd, Aug. 12, Sept. 20, 1957. Records available: 1952-62. Recorder installed Dec. 3, 1956. Dec. 5, 1956, 4.0; Dec. 10, 3.9.

Lowest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	3.00	2.70	....	....	....	10.20	10.30	7.10	6.50	5.20
10	3.30	....	2.90	2.00	....	....	....	10.40	9.30	6.70	6.40	4.40
15	3.30	....	2.80	2.20	....	....	....	10.10	....	6.20	5.90	4.20
20	....	....	2.70	2.00	....	h6.00	9.20	10.20	h0.60	5.80	5.70	4.20
25	....	....	2.80	2.70	....	....	9.40	9.90	....	h9.20	5.50	3.90
Eom	3.60	3.40	2.90	2.70	....	....	9.90	9.80	....	7.20	5.30	3.70

1958

5	3.80	3.03	2.70	1.00	1.42	2.11	3.80	4.32	4.02	....	....	....
10	3.92	3.02	2.00	.96	1.00	2.25	3.49	4.69	3.77	....	....	....
15	3.73	2.88	1.95	1.02	1.02	2.11	3.55	4.73	....	....	....	2.35
20	3.85	3.00	1.80	1.33	1.21	2.25	3.57	4.30	....	....	....	....
25	3.46	2.99	.84	1.55	1.45	2.61	3.79	4.62	....	....	....	....
Eom	2.95	2.50	.58	1.50	1.91	3.00	4.20	4.90	....	....	....	....

1959

5	....	2.78	2.55	1.58	1.29	2.92	5.40	4.64	4.38	....	3.99	2.69
10	....	2.70	2.25	1.45	1.90	3.62	5.12	5.62	3.75	4.46	2.71	2.31
15	2.60	2.55	1.89	1.25	1.59	2.95	5.20	6.15	....	3.51	2.72	1.55
20	2.75	2.42	1.68	1.20	2.61	3.20	5.57	6.70	....	3.26	2.70	1.52
25	2.70	2.45	1.69	1.27	2.46	4.05	4.64	7.18	....	3.06	2.70	1.58
Eom	2.80	2.41	1.73	1.28	3.35	5.35	5.21	7.63	....	3.09	2.71	1.41

h Tape measurement.

Ch-152(J21b-7959)--Continued.

1960												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	1.02	0.81	0.28	0.10	0.58	1.90	3.81	4.30	4.59	0.03	1.01	1.55
10	.93	.69	.41	(j)	.57	1.60	4.09	4.40	4.90	.28	1.03	1.57
15	.87	.46	.36	.33	.65	1.97	3.80	4.80	.20	.59	1.05	1.71
20	.79	.30	.22	.15	1.23	2.48	3.95	4.20	.01	.72	1.20	1.73
25	.81	.20	.46	.15	.65	3.10	4.40	4.21	.45	.85	1.25	1.70
Eom	.79	.20	.40	.26	.92	3.55	4.50	5.40	(j)	.91	1.40	1.65
1961												
5	1.12	1.24	(j)	(j)	(j)	1.00	2.70	2.15	3.90	1.83	3.09	1.98
10	1.13	1.25	(j)	(j)	(j)	2.10	2.88	2.50	4.31	1.92	2.04	2.03
15	1.08	1.18	(j)	(j)	0.51	2.05	3.80	2.60	3.80	1.90	2.12	1.95
20	1.01	....	(j)	(j)	(j)	2.10	2.30	2.99	2.70	1.87	2.01	1.31
25	1.08	....	(j)	(j)	(j)	2.65	2.57	3.02	3.97	1.82	1.87	1.20
Eom	1.11	....	(j)	(j)	.11	2.80	2.55	3.35	2.25	1.85	1.90	1.32
1962												
5	....	....	(j)	(j)	(j)	2.39	3.95	6.30	5.75	2.49	1.90	0.95
10	....	1.05	(j)	(j)	(j)	3.38	4.41	5.15	5.11	2.15	1.51	.70
15	....	1.15	(j)	(j)	0.22	2.40	4.81	5.15	4.80	2.52	1.51	.70
20	....	1.07	(j)	(j)	.40	3.25	4.62	6.40	3.25	2.05	1.30	1.02
25	....	1.50	(j)	(j)	1.31	3.50	4.93	6.60	2.89	2.15	.80	.95
Eom	....	(j)	(j)	(j)	2.45	3.61	5.19	7.02	2.45	2.05	.93	...

j Flowing.

Clarion County

Cr-1(E6a-2560). John G. Meisinger. 614 Wood St., Clarion. Lat 41°12'40", long 79°23'00". Dug unused water-table well in sandstone of Allegheny Formation of Middle Pennsylvanian age, diam 36 in, depth 28 ft, cased with stone to 15. Lsd 1,480 ft above msl. MP top of manhole cover, 0.50 ft below lsd. Highest water level 10.09 below lsd, May 12, 1934 (previously reported 11.36 below lsd, Apr. 9, 1938); lowest 21.50 below lsd, Oct. 27, 1953. Records available: 1932-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1958	13.26	Sept. 12, 1958	15.24	June 5, 1959	14.39	Feb. 12, 1960	11.94
10	14.73		15.68	12	15.55	19	12.73
17	14.71		14.53	19	16.22	26	13.07
24	14.45	Oct. 3	15.00	26	15.79	Mar. 4	13.92
31	14.65	10	15.71	July 3	15.22	11	14.90
Feb. 7	15.08	17	17.15	10	14.80	18	14.34
14	15.34	24	17.45	17	16.10	25	14.14
21	15.92	31	17.08	24	16.95	Apr. 1	11.78
28	11.96	Nov. 7	17.16	31	17.33	8	12.11
Mar. 7	12.35	14	16.34	Aug. 7	17.72	22	13.84
14	13.32	21	13.74	14	18.14	29	14.90
21	14.15	28	13.80	21	18.52	May 9	15.60
28	11.98	Dec. 5	13.75	28	18.92	13	11.89
Apr. 3	12.89	12	13.38	Sept. 4	18.77	20	12.26
11	13.66	17	14.86	11	19.22	27	13.15
18	13.05	26	15.30	18	19.59	June 3	12.68
25	13.48	Jan. 2, 1959	14.44	25	19.88	10	14.48
May 2	12.11	9	13.43	Oct. 2	19.80	17	12.06
9	11.77	16	13.96	9	19.55	24	14.02
16	13.47	Feb. 6	13.16	16	19.07	July 1	15.85
23	15.15	13	12.10	23	19.68	8	16.30
29	15.60	20	12.55	30	16.73	15	15.75
June 6	15.94	27	13.46	Nov. 6	15.91	22	12.65
13	12.38	Mar. 6	13.26	13	15.79	29	14.80
20	14.35	13	12.28	20	15.61	Aug. 5	16.00
27	15.35	20	12.28	27	14.40	12	16.50
July 3	16.03	27	12.93	Dec. 4	12.57	19	17.00
11	12.98	Apr. 3	12.57	11	12.70	26	17.40
18	11.89	10	12.77	18	12.35	Sept. 2	18.00
25	12.00	17	13.98	24	13.90	9	18.30
Aug. 1	12.28	24	14.95	31	11.90	16	18.35
8	14.03	May 1	11.96	Jan. 8, 1960	12.33	23	18.75
15	15.40	8	13.00	15	11.94	30	19.35
22	16.07	15	13.82	22	12.89	Oct. 7	19.50
29	15.75	22	14.20	29	13.82	14	19.95
Sept. 5	16.58	29	14.91	Feb. 5	13.59	21	20.00

Cr-1 (E6a-2560)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 28, 1960	20.10	May 19, 1961	13.25	Dec. 8, 1961	15.10	June 22, 1962	16.00
Nov. 4	20.15	26	13.30	15	15.70	28	17.00
11	19.75	June 2	15.00	22	15.20	July 6	17.50
18	19.50	9	15.60	29	14.00	13	17.90
25	19.80	16	12.15	Jan. 5, 1962	16.00	20	18.40
Dec. 2	19.80	23	12.00	12	13.10	27	18.70
9	20.10	30	15.60	19	13.60	Aug. 3	19.05
16	20.35	July 7	14.60	26	13.40	10	19.50
23	20.65	14	17.15	Feb. 2	13.20	17	19.40
30	20.55	21	16.90	9	13.40	24	19.50
Jan. 6, 1961	18.60	28	15.40	16	14.50	31	19.65
13	17.05	Aug. 4	16.00	23	14.80	Sept. 7	19.40
20	15.80	11	16.50	Mar. 2	12.10	14	19.75
27	15.95	18	17.00	9	12.75	21	19.75
Feb. 3	17.45	25	17.40	16	12.10	28	19.50
10	17.50	Sept. 1	16.60	23	12.20	Oct. 5	17.40
17	15.50	8	15.90	30	12.40	12	16.90
24	11.95	15	16.50	Apr. 6	12.20	19	17.30
Mar. 3	12.00	22	17.50	13	11.90	26	17.90
10	11.85	29	18.10	17	12.30	Nov. 2	17.00
17	12.10	Oct. 6	17.75	27	13.50	9	17.50
24	12.20	13	20.80	May 4	13.80	16	16.80
30	12.85	20	18.90	11	14.40	26	16.25
Apr. 7	12.15	27	19.10	18	14.70	30	16.00
14	11.80	Nov. 3	18.60	25	16.00	Dec. 7	17.30
21	12.40	10	18.90	June 1	15.95	14	17.30
28	11.95	17	17.40	8	15.70	21	16.70
May 5	13.25	24	13.50	15	14.70	28	15.60
12	12.30	Dec. 1	13.50				

Cr-3 (D7c-2511). Commonwealth of Pennsylvania. Cook Forest State Park. Lat 41°20'20", long 79°13'20" (previously reported 79°13'40"). Drilled unused water-table well in sandstone of Pottsville Group of Lower to Middle Pennsylvanian age, diam 6 in, depth 130 ft, cased to 12. Lsd 1,530 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 40.3 below lsd, Feb. 6, 1959; lowest 92.90 below lsd, Dec. 6, 1952. Records available: 1950-62.

Jan. 3, 1958	75.8	Aug. 29, 1958	47.2	Apr. 24, 1959	42.4	Dec. 11, 1959	54.0
10	71.9	Sept. 6	47.5	May 1	41.2	24	52.3
17	70.4	12	48.4	8	40.7	31	48.7
24	67.4	19	49.0	15	40.8	Jan. 8, 1960	46.5
31	65.0	26	49.1	22	41.2	15	44.7
Feb. 7	64.5	Oct. 3	50.8	29	41.7	22	45.6
14	64.2	10	50.0	June 2	41.5	29	45.6
21	62.2	17	51.2	5	42.1	Feb. 5	45.9
27	61.4	24	51.7	12	42.5	11	45.1
Mar. 7	60.9	31	53.0	19	43.6	19	44.3
14	59.4	Nov. 7	55.9	July 3	42.9	26	44.7
21	57.9	15	56.8	10	43.8	Mar. 4	45.3
28	58.0	21	55.4	17	43.7	11	46.3
Apr. 4	50.1	28	53.0	24	44.5	18	46.3
11	50.4	Dec. 5	50.1	31	45.3	25	47.2
18	48.1	12	49.0	Aug. 7	46.4	Apr. 1	44.8
25	48.1	19	48.3	14	47.5	8	43.2
May 2	47.3	26	49.2	21	48.4	15	43.0
10	45.3	Jan. 2, 1959	48.0	28	49.8	22	42.8
17	45.2	9	48.9	Sept. 4	55.9	29	43.6
23	45.6	16	47.7	11	57.1	May 6	43.9
June 2	46.5	23	47.1	18	60.1	13	40.8
6	46.9	30	45.8	25	61.8	20	41.0
13	45.2	Feb. 6	40.3	Oct. 2	63.6	30	41.8
20	45.2	13	43.2	9	64.8	June 3	40.4
27	45.8	20	42.7	16	66.7	10	41.4
30	46.2	27	42.9	23	68.1	17	40.4
July 5	46.6	Mar. 6	42.2	29	69.1	25	40.9
12	46.2	13	42.7	Nov. 6	68.8	July 1	41.9
18	44.1	20	43.0	13	69.0	8	43.3
Aug. 1	45.2	27	42.5	20	68.6	15	44.2
8	45.6	Apr. 3	41.6	30	66.1	22	44.6
16	46.5	10	41.9	Dec. 4	64.5	29	45.1
22	46.9	17	41.8	11	60.0	Aug. 5	45.6

Cr-3(D7c-2511)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 12, 1960	46.8	Mar. 20, 1961	73.5	Oct. 14, 1961	62.3	May 11, 1962	43.8
19	47.5	24	79.0	20	61.7	18	44.2
26	48.6	30	65.9	27	63.2	25	46.4
Sept. 2	49.6	Apr. 11	61.2	Nov. 3	64.8	June 1	45.1
9	53.2	18	56.9	10	64.6	15	46.4
16	67.8	23	54.1	17	64.8	22	46.9
23	59.3	28	51.4	27	65.0	29	47.5
30	61.1	May 8	49.0	Dec. 1	64.9	July 6	48.3
Oct. 7	63.8	19	47.8	11	62.9	13	49.2
21	66.8	26	47.0	29	58.7	20	52.2
28	67.8	June 2	47.0	Jan. 5, 1962	59.2	27	55.5
Nov. 4	70.4	9	47.0	12	57.0	Aug. 3	57.4
14	71.9	16	46.8	19	56.4	10	59.7
21	73.2	23	45.6	26	53.6	17	60.8
25	74.1	30	46.7	Feb. 2	51.1	24	62.1
Dec. 12	75.8	July 7	46.9	9	42.1	31	64.1
16	76.4	14	47.4	16	47.1	Sept. 7	65.4
23	77.6	21	48.1	23	45.6	17	66.4
Jan. 2, 1961	78.6	28	48.8	Mar. 2	49.8	24	67.8
6	78.7	Aug. 4	49.0	9	46.7	Oct. 2	69.7
13	79.4	11	49.4	16	46.9	5	69.5
20	79.8	18	51.1	23	45.7	15	72.1
27	80.2	25	51.6	30	43.9	19	71.6
Feb. 3	81.4	Sept. 1	52.1	Apr. 6	43.8	Nov. 9	74.2
10	81.8	11	53.3	13	42.2	19	74.9
17	82.9	15	53.1	20	42.1	23	75.4
24	82.8	22	55.3	27	42.2	30	75.0
Mar. 6	80.5	29	57.8	May 4	42.9	Dec. 28	76.3
10	80.4	Oct. 6	58.9				

Clearfield County

Cf-4(F9b-2051). Jared I. McNaul. Curwensville. Lat 40°58'10", long 78°31'30". Dug unused water-table well in sandstone of Allegheny Formation, diam 5 ft, depth 30 ft. Lsd 1,160 ft above msl. MP top of 1-in pipe in cover, at lsd. Highest water level 17.27 below lsd, Apr. 8, 1957 (previously reported 15.57 below lsd, Mar. 5, 1951); lowest 21.40 (previously reported 21.30) below lsd, Aug. 31, 1946. Records available: 1946-62.

Jan. 7, 1958	20.24	Aug. 11, 1958	19.78	Mar. 16, 1959	19.68	Oct. 26, 1959	20.32
13	20.52	18	19.69	23	19.71	Nov. 2	20.27
20	20.47	25	20.52	30	19.47	9	20.17
27	20.44	Sept. 2	20.04	Apr. 6	19.06	16	20.42
Feb. 3	20.57	9	20.01	13	19.46	23	20.49
10	20.63	15	20.09	20	19.71	30	19.20
17	20.66	22	20.24	27	19.52	Dec. 7	19.59
24	20.62	30	20.20	May 4	18.62	15	18.82
Mar. 3	19.89	Oct. 6	20.08	11	19.45	21	18.78
10	20.82	13	20.37	18	19.60	28	20.10
17	20.26	20	20.43	25	19.60	Jan. 4, 1960	19.37
24	19.98	27	20.50	June 1	19.67	11	19.43
31	19.33	Nov. 3	20.51	8	20.15	18	19.24
Apr. 7	19.81	10	20.42	15	20.24	25	19.58
14	19.70	17	20.44	22	20.31	Feb. 1	19.12
21	19.91	24	20.13	29	20.70	8	19.90
28	20.08	Dec. 1	20.42	July 6	20.20	15	19.52
May 5	18.82	8	20.06	13	20.18	22	18.33
12	18.83	16	20.36	20	20.18	29	19.67
19	19.51	22	20.38	27	20.40	Mar. 7	19.39
26	19.35	29	20.46	Aug. 3	20.44	14	19.63
June 2	20.08	Jan. 7, 1959	20.39	10	20.51	21	19.03
9	20.22	12	20.37	17	20.60	28	19.62
18	20.31	19	20.33	24	20.61	Apr. 4	18.45
23	20.08	26	19.94	31	20.55	11	19.08
30	20.22	Feb. 2	20.05	Sept. 7	20.56	18	19.60
July 7	20.34	9	20.19	14	20.66	25	19.88
14	20.36	16	19.92	21	20.73	May 2	20.02
21	20.76	23	19.49	28	20.94	9	19.97
28	19.67	Mar. 2	19.72	Oct. 5	20.98	16	19.08
Aug. 4	19.59	9	19.91	19	20.67	23	19.55

Cf-4(F9b-2051)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 30, 1960	19.59	Jan. 30, 1961	20.69	Oct. 2, 1961	20.50	May 21, 1962	19.98
June 6	19.93	Feb. 6	20.81	9	20.54	28	20.12
13	19.98	13	20.83	16	20.59	June 4	20.22
20	19.03	20	20.07	23	20.62	11	20.30
27	19.98	27	17.66	30	20.69	18	20.22
July 4	20.03	Mar. 13	18.39	Nov. 6	20.74	25	20.32
11	20.11	20	19.09	13	20.76	July 2	20.42
18	20.02	27	19.20	20	20.61	9	20.50
Aug. 1	20.25	Apr. 3	19.51	27	20.22	16	20.54
8	20.35	10	19.61	Dec. 4	20.32	22	20.59
15	20.39	17	18.61	11	20.50	30	20.64
22	20.44	24	19.12	18	20.44	Aug. 6	20.68
29	20.51	May 1	19.28	25	20.13	13	20.68
Sept. 5	20.55	8	19.64	Jan. 1, 1962	20.34	20	20.69
14	20.32	15	19.51	8	20.36	27	20.67
19	20.35	22	19.47	15	20.26	Sept. 3	20.72
26	20.50	29	19.68	22	20.37	10	20.60
Oct. 3	20.58	June 5	19.98	29	20.19	17	20.67
10	20.64	12	20.01	Feb. 5	20.26	24	20.72
17	20.69	19	20.95	12	20.32	Oct. 1	20.38
24	20.71	26	20.03	19	20.45	8	20.13
31	20.79	July 11	20.19	26	20.44	15	20.21
Nov. 7	20.74	17	20.26	Mar. 5	20.47	22	20.38
14	20.71	24	20.13	12	20.11	29	20.49
21	20.76	31	19.96	19	19.70	Nov. 5	20.48
28	20.82	Aug. 7	19.01	26	18.96	12	20.45
Dec. 5	20.97	14	19.76	Apr. 2	19.09	19	20.43
12	20.99	21	20.05	9	18.69	26	20.49
19	21.00	28	20.19	16	17.69	Dec. 3	20.55
26	21.00	Sept. 4	20.28	23	18.98	10	20.56
Jan. 2, 1961	20.99	11	20.31	30	19.67	17	20.62
9	20.96	18	20.39	May 7	19.46	24	20.55
16	20.61	25	20.44	14	19.77	31	20.55
23	20.64						

Clinton County

Cn-1(E12b-0653). Commonwealth of Pennsylvania. Sproul State Forest. Renovo. Lat 41°14'20", long 77°46'20". Drilled unused water-table well in sandstone of Pottsville Group (previously reported Formation) of Lower to Middle Pennsylvanian age, diam 6 in, depth 78 ft, cased to 38, Lsd 2,050 ft above msl. MP hole drilled in pumpbase, 0.20 ft above lsd. Highest water level 44.00 below lsd, Jan. 13, 1951; lowest 55.72 below lsd, Nov. 14, 1953. Records available: 1950-62.

Jan. 4, 1958	51.51	June 28, 1958	48.64	Jan. 3, 1959	50.56	June 27, 1959	50.25
11	51.52	July 5	48.62	10	50.56	July 4	49.90
18	51.50	12	48.65	17	50.55	11	50.70
25	51.60	19	48.66	24	50.53	18	50.80
Feb. 1	50.70	26	48.70	31	50.54	25	51.50
7	51.50	Aug. 2	49.50	Feb. 7	49.64	Aug. 1	51.49
15	51.40	9	49.49	14	49.60	8	51.48
22	50.78	16	49.50	21	49.60	15	51.47
Mar. 1	50.74	23	48.70	28	49.56	22	51.49
8	50.72	Sept. 6	48.68	Mar. 7	48.90	29	52.50
15	50.71	13	50.69	14	48.80	Sept. 5	52.60
22	50.20	20	50.70	21	48.40	12	52.78
29	49.81	Oct. 4	50.69	28	47.86	19	52.80
Apr. 5	49.08	11	50.70	Apr. 4	47.25	26	52.90
12	48.17	18	50.71	11	47.10	Oct. 3	52.90
19	48.20	25	51.30	18	47.10	10	52.70
26	48.15	Nov. 1	51.31	25	47.12	17	53.77
May 3	46.60	8	48.50	May 2	47.16	24	53.74
10	46.59	15	48.51	9	47.16	31	53.06
17	46.60	22	48.51	16	47.79	Nov. 7	53.04
24	47.60	29	48.52	23	47.80	14	53.04
June 4	48.30	Dec. 6	48.51	30	47.80	21	51.76
7	48.34	13	50.39	June 6	48.70	28	51.30
14	48.36	20	50.40	13	48.78	Dec. 5	51.31
21	48.65	27	50.58	20	48.69	14	50.70

Cn-1(E12b-0653)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 21, 1959	50.35	Oct. 3, 1960	51.78	June 26, 1961	49.15	Apr. 2, 1962	49.40
Jan. 11, 1960	49.64	10	51.82	July 3	49.15	9	48.20
18	49.40	17	51.84	10	49.90	16	47.60
25	49.55	24	52.28	24	50.20	23	47.58
Feb. 1	49.56	31	52.29	31	50.28	30	47.58
8	49.70	Nov. 7	52.27	Aug. 7	50.27	May 7	47.60
15	49.71	14	52.27	15	50.27	14	48.18
22	49.71	21	52.25	21	50.28	21	48.20
29	49.72	28	52.09	28	50.20	28	49.20
Mar. 7	49.79	Dec. 5	52.09	Sept. 4	51.60	June 4	49.20
14	49.98	12	52.08	11	51.60	11	49.40
21	50.00	19	51.95	18	52.10	18	50.36
28	50.40	26	51.94	25	52.09	25	50.62
Apr. 4	49.30	Jan. 2, 1961	52.08	Oct. 2	52.08	July 2	50.96
11	49.40	9	52.15	9	52.08	9	51.26
18	48.45	16	52.05	16	52.18	16	51.56
25	48.44	23	52.05	23	52.20	23	51.60
May 2	49.00	30	51.94	30	53.20	30	52.12
9	49.10	Feb. 6	51.82	Nov. 6	53.35	Aug. 6	52.11
16	49.20	13	51.79	20	53.35	20	52.09
23	47.96	20	51.31	27	53.45	27	52.08
30	47.20	27	51.26	Dec. 4	53.34	Sept. 3	52.09
June 6	46.90	Mar. 6	50.95	11	53.33	10	53.38
13	46.91	13	50.90	18	53.32	17	53.60
20	47.47	20	48.70	25	53.32	24	53.90
27	47.85	27	48.45	Jan. 1, 1962	53.32	Oct. 1	53.58
July 4	48.36	Apr. 3	48.40	8	53.20	8	53.57
11	48.35	10	48.36	15	52.27	15	53.47
18	48.34	17	47.70	22	51.90	22	53.30
25	48.32	24	47.70	29	51.89	29	53.30
Aug. 1	49.60	May 1	47.65	Feb. 5	51.40	Nov. 5	53.57
8	50.60	8	47.00	12	51.34	12	53.58
15	50.01	15	47.27	19	51.32	19	53.60
22	50.04	22	47.26	26	51.32	26	53.60
29	50.98	29	47.25	Mar. 5	51.31	Dec. 3	53.59
Sept. 5	50.96	June 4	48.25	12	51.29	10	53.58
12	51.55	12	48.55	19	50.90	17	53.57
19	50.98	19	48.86	26	50.46	24	51.48
26	50.96						

Columbia County

Co-1(E18c-8318). Fred E. Walters. Fernville. Lat 41°00'10", long 76°27'50". Dug unused water-table well in sand of Pleistocene age, diam 36 in, depth 19 ft, cased with stone. Lsd 490 ft above msl. MP top of brass plate in center of platform, 2.40 ft above lsd. Highest water level 4.75 (previously reported 4.85) below lsd, Sept. 2, 1933; lowest 14.51 below lsd, Dec. 15, 1931. Records available: 1931-62.

Jan. 6, 1958	10.70	June 2, 1958	11.30	Oct. 27, 1958	11.10	Mar. 23, 1959	10.75
13	10.56	9	11.28	Nov. 3	10.90	30	10.65
20	10.95	16	10.90	10	11.00	Apr. 6	10.54
27	9.70	23	10.70	17	11.20	13	10.30
Feb. 3	10.80	30	11.20	24	10.80	20	10.55
10	10.90	July 7	10.00	Dec. 1	10.60	26	10.30
17	11.00	14	10.20	8	10.80	May 4	10.40
24	10.90	21	11.00	15	11.00	11	10.90
Mar. 3	10.80	28	10.90	22	10.80	18	11.27
10	10.70	Aug. 4	11.00	29	10.90	25	11.30
17	10.50	11	11.10	Jan. 5, 1959	11.70	June 1	11.70
24	10.40	18	11.50	12	11.50	8	11.80
31	10.20	25	11.60	19	11.30	15	11.30
Apr. 7	10.30	Sept. 1	11.67	26	11.20	22	11.70
14	10.20	8	11.78	Feb. 2	11.12	29	12.00
21	10.50	15	12.05	9	11.14	July 6	12.10
28	10.00	22	11.25	16	10.70	13	10.90
May 5	10.48	29	12.15	23	11.17	20	11.10
12	10.50	Oct. 6	11.10	Mar. 2	11.25	27	11.20
19	10.70	13	11.80	9	11.02	Aug. 3	10.00
26	11.10	20	12.20	16	10.80	10	10.20

Co-1(E18c-8318)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 17, 1959	12.70	June 20, 1960	10.40	May 1, 1961	10.70	Mar. 5 1962	10.60
24	11.90	27	10.80	8	10.50	12	10.30
31	11.90	July 4	10.85	15	10.40	19	10.40
Sept. 7	11.35	11	10.90	22	10.50	26	10.70
14	11.90	18	11.20	29	10.70	Apr. 2	10.50
21	12.50	25	11.30	June 5	10.90	9	10.30
28	12.70	Aug. 1	11.30	12	11.10	16	10.40
Oct. 5	12.30	8	11.00	19	11.30	23	10.70
12	11.10	15	10.90	26	11.50	30	10.90
19	11.80	22	11.76	July 3	11.70	May 7	11.10
26	10.70	29	11.70	10	11.90	14	11.40
Nov. 2	10.59	Sept. 5	12.00	17	11.70	21	11.30
9	10.80	12	10.40	24	11.90	28	11.50
16	10.85	19	10.50	31	11.20	June 4	11.70
23	10.78	26	10.40	Aug. 7	11.40	11	11.90
30	10.56	Oct. 3	10.70	14	11.50	18	12.10
Dec. 7	10.50	10	11.00	21	11.70	25	11.70
14	9.90	17	11.10	28	11.80	July 2	12.20
21	10.20	24	11.30	Sept. 4	11.70	9	12.40
28	10.50	31	11.50	11	11.90	16	13.00
Jan. 4, 1960	10.20	Nov. 7	11.40	18	11.50	23	12.90
11	10.40	14	11.70	25	11.70	30	13.10
18	10.42	21	11.80	Oct. 2	12.70	Aug. 6	13.20
25	10.64	28	11.70	9	12.90	13	13.00
Feb. 1	10.80	Dec. 5	11.80	16	12.80	20	12.90
8	10.90	12	11.70	23	12.70	27	12.70
15	10.80	19	11.90	30	13.80	Sept. 3	11.80
22	10.50	26	12.00	Nov. 6	13.70	10	11.70
29	10.50	Jan. 2, 1961	11.90	13	13.50	17	12.00
Mar. 7	10.68	9	11.70	20	13.70	24	12.20
14	10.90	16	11.60	27	11.80	Oct. 1	12.40
21	10.70	23	11.80	Dec. 4	11.70	8	11.50
28	10.78	30	11.90	11	11.50	15	11.30
Apr. 4	10.54	Feb. 13	11.40	18	11.70	22	11.10
11	10.50	20	11.30	25	11.50	29	11.00
18	9.70	27	11.10	Jan. 1, 1962	11.40	Nov. 5	11.70
25	10.30	Mar. 6	10.70	8	10.70	12	10.40
May 2	10.90	13	10.90	15	10.50	19	11.70
9	10.50	20	10.50	22	10.70	26	10.80
16	10.40	27	10.60	29	10.80	Dec. 2	11.70
23	10.20	Apr. 3	10.50	Feb. 5	11.00	10	10.50
30	10.30	10	10.40	12	11.10	17	10.80
June 6	10.40	17	10.50	19	10.80	24	10.70
13	10.70	24	10.40	26	10.50	31	10.90

Cumberland County

Cu-2(J14d-6335). Commonwealth of Pennsylvania. Michaux State Forest. Lat 40°02'03", long 77°18'30". Drilled unused water-table well in sandstone of Ledger Formation (previously reported Loudoun Formation) of Early Cambrian age, diam 6 in, depth 37 ft (previously reported 60 ft). Lsd 955 ft (previously reported about 940 ft) above msl. MP top of recorder shelter platform, 1.80 ft above lsd. Highest water level 9.51 below lsd, Apr. 18, 1961; lowest 33.50 below lsd, Feb. 3, 1955. Records available: 1951-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	23.55	17.10	15.30	10.61	11.80	17.14	18.88	22.08	24.33	26.10	27.00	26.79
10	22.96	16.94	13.77	10.68	.....	16.54	19.40	22.50	24.70	26.23	26.85	26.60
15	22.25	16.99	13.81	11.15	12.52	16.96	19.81	22.95	25.12	26.44	26.85	26.45
20	21.31	17.29	14.20	11.82	13.78	17.90	20.35	23.31	25.55	26.64	26.89	26.38
25	19.90	17.50	14.49	11.94	15.02	18.10	20.80	23.62	25.89	26.83	26.98	26.49
Eom	17.75	17.23	11.67	12.28	16.20	18.38	21.60	24.00	26.02	27.02	27.00	26.64
1959												
5	26.60	25.20	22.68	17.82	16.27	.....	.....	.....	25.07	27.18	28.23	28.57
10	26.54	24.95	21.36	16.95	16.12	.....	.....	23.10	25.42	27.37	28.32	28.54
15	26.56	24.25	20.85	16.54	16.20	.....	.....	23.40	25.80	27.60	28.41	27.85
20	26.66	23.48	20.05	16.28	16.53	.....	.....	23.80	26.20	27.80	28.48	27.37
25	25.95	23.03	19.36	16.40	16.82	.....	.....	24.20	26.60	28.00	28.57	27.06
Eom	25.58	22.82	18.87	16.38	16.97	.....	.....	24.64	26.95	28.12	28.59	26.80

Cu-2(J14d-6335)--Continued.

1960											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	26.49	24.61	21.18	15.95	15.77	13.16	17.40	20.05	22.85	24.30	26.00 26.80
10	26.07	23.90	20.90	13.47	15.72	14.00	18.05	20.40	23.35	25.60	26.18 26.92
15	25.71	23.41	20.78	13.30	15.08	14.70	18.51	20.82	23.55	24.90	26.28 27.02
20	25.31	22.84	20.60	13.80	14.21	15.31	18.80	21.21	23.68	25.25	26.40 27.18
25	25.00	22.24	20.65	14.30	12.65	15.91	19.10	21.79	23.82	25.55	26.51 27.30
Eom	24.73	21.70	18.30	14.99	12.42	.....	19.61	22.38	24.04	25.82	26.68 27.40
1961											
5	27.38	.....	17.35	12.50	11.68	.....	19.85	23.10	25.89	27.67	29.25 29.90
10	27.28	.....	15.30	12.60	12.43	.....	20.50	23.52	26.15	27.67	29.45 29.95
15	27.09	.....	13.90	11.10	25.69	17.42	21.10	24.00	26.42	28.25	29.62 30.00
20	26.78	24.80	13.89	9.70	13.29	18.10	21.50	24.50	26.72	28.50	29.72 29.90
25	.....	22.30	13.46	10.31	.....	18.70	22.10	24.97	27.02	28.75	29.82 29.68
Eom	.....	19.40	12.80	10.60	.....	19.23	22.70	25.48	27.35	29.05	29.82 29.55
1962											
5	29.50	27.15	24.12	14.50	14.19	18.01	21.05	24.60	27.50	29.00	28.90
10	28.90	27.00	23.59	13.70	14.74	18.70	21.63	25.12	27.80	28.50	28.80
15	28.49	26.96	22.35	12.50	15.43	19.10	22.20	25.60	28.15	28.40	27.98 25.35
20	27.95	26.98	20.50	12.45	15.85	19.40	22.95	26.05	28.49	28.41	27.68 25.10
25	27.60	26.90	16.70	12.89	16.70	20.12	23.35	26.55	28.77	28.57	..... 24.98
Eom	27.32	26.00	14.80	13.63	17.50	20.50	24.05	27.10	28.98	28.80	..... 24.78

Delaware County

De-3(K21d-2125). Mrs. Hope W. Ebert. Birmingham Township. Lat 39°50'40", long 75°34'10". Dug unused water-table well in gneiss of Wissahickon Formation, diam 42 in, depth 22 ft, cased with stone. Lsd 260 ft above msl. MP top of concrete base, 1.80 ft above lsd. Highest water level 7.90 below lsd, Aug. 22, 1955; lowest 19.04 below lsd, Nov. 22, 1954. Records available: 1950-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	12.47	Sept. 29, 1958	14.69	June 22, 1959	15.92	Mar. 14, 1960	13.63
13	13.13	Oct. 6	15.05	29	16.00	21	13.96
20	13.54	13	15.32	July 6	16.11	28	14.20
27	12.56	20	15.52	13	16.21	Apr. 4	13.90
Feb. 3	12.09	27	15.69	20	16.33	11	11.73
10	12.64	Nov. 3	15.70	25	16.31	18	12.57
17	12.99	10	15.54	Aug. 3	16.31	25	13.43
24	13.45	17	15.38	10	16.46	May 2	14.05
Mar. 3	12.54	24	15.24	17	16.53	9	14.45
10	12.37	Dec. 1	15.26	24	16.62	16	14.85
17	12.94	8	15.20	31	16.70	23	14.64
24	13.11	15	15.14	Sept. 7	16.17	30	13.73
31	9.11	22	15.10	14	15.93	June 6	13.44
Apr. 1	9.24	29	15.19	21	15.82	13	13.81
7	10.08	Jan. 5, 1959	15.02	28	15.86	22	14.37
14	10.93	12	14.98	Oct. 5	16.02	27	14.64
21	12.16	19	14.97	12	16.21	July 4	14.98
28	12.98	26	15.10	19	16.33	11	15.25
May 5	13.44	Feb. 2	15.27	26	16.61	18	15.49
12	11.21	9	15.27	Nov. 2	16.74	25	15.70
19	12.18	16	14.99	9	16.74	Aug. 1	15.75
26	13.10	23	14.74	16	16.70	8	16.77
June 2	13.73	Mar. 2	14.68	23	16.61	15	15.84
9	14.19	9	14.53	30	16.43	22	15.94
16	14.57	16	14.31	Dec. 7	16.13	29	16.05
23	14.90	23	14.13	14	15.02	Sept. 5	16.19
28	15.13	30	14.30	21	13.83	12	16.25
July 7	15.42	Apr. 6	14.23	28	13.76	19	14.09
22	15.68	13	14.11	Jan. 4, 1960	13.47	26	13.68
28	14.80	20	14.19	11	13.17	Oct. 3	13.82
Aug. 4	14.23	27	14.46	18	13.28	10	14.14
11	14.17	May 4	14.69	25	13.46	17	14.49
18	14.24	11	14.99	Feb. 1	13.69	24	14.76
25	14.37	18	15.23	8	13.95	31	15.03
Sept. 1	13.24	25	15.48	15	13.85	Nov. 7	15.15
8	13.32	June 1	15.65	22	12.88	14	15.17
15	13.79	8	15.73	29	12.64	21	14.97
22	14.25	15	15.83	Mar. 7	13.06	28	14.99

De-3(K21d-2125)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 5, 1960	15.15	June 19, 1961	15.36	Dec. 25, 1961	16.14	July 2, 1962	16.38
12	15.24	26	15.57	Jan. 1, 1962	15.79	9	16.52
19	15.46	July 3	15.72	8	15.02	20	16.78
26	15.57	10	15.89	15	14.44	23	16.83
Jan. 2, 1961	14.84	17	15.81	22	14.26	30	16.67
9	14.33	24	15.88	29	14.49	Aug. 6	17.10
16	14.24	Aug. 2	15.91	Feb. 5	14.74	13	17.23
23	14.40	7	15.97	12	15.02	20	17.32
30	14.62	14	16.08	19	15.28	27	17.42
Feb. 6	14.86	21	16.18	26	15.02	Sept. 3	17.53
13	15.07	28	16.18	Mar. 5	13.72	10	17.65
20	13.59	Sept. 4	16.17	12	13.75	17	17.77
27	12.21	11	16.14	19	12.17	24	17.92
Mar. 6	12.60	19	15.96	26	12.71	Oct. 1	18.08
13	12.40	25	15.80	Apr. 2	12.97	8	18.32
20	12.52	Oct. 2	15.66	9	13.02	15	18.37
27	12.68	9	15.61	16	12.76	22	18.59
Apr. 3	12.97	16	15.71	23	12.90	29	18.64
10	13.29	23	15.91	30	13.55	Nov. 5	18.71
17	10.80	30	16.09	May 7	14.04	12	18.71
24	11.91	Nov. 6	16.24	14	14.50	19	18.81
May 1	12.99	13	16.36	21	14.86	26	18.23
8	13.74	20	16.45	28	15.22	Dec. 3	17.72
15	14.22	27	16.53	June 4	15.52	12	17.15
22	14.53	Dec. 4	16.59	11	15.77	17	16.63
29	14.77	11	16.63	18	15.99	24	16.14
June 5	14.97	18	16.55	25	16.20	31	15.76
12	15.17						

Elk County

Ek-1(D9d-0909). Mrs. Elizabeth Ernst. Kersey. Lat 41°21'40", long 78°36'27". Drilled unused water-table well in shale and sandstone of Allegheny Formation of Middle Pennsylvanian age, diam 4 in, depth 87 ft. Lsd 1,910 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 6.62 below lsd, June 11, 1943; lowest 13.43 below lsd, Sept. 24, 1954. Records available: 1941-62.

Jan. 3, 1958	11.64	Aug. 22, 1958	11.15	Apr. 3, 1959	10.25	Nov. 13, 1959	11.80
10	11.70	29	11.22	10	10.38	20	11.60
17	11.48	Sept. 5	11.45	17	10.45	27	11.55
24	11.65	12	11.39	24	10.55	Dec. 4	11.27
31	11.62	19	11.45	May 1	10.42	11	11.28
Feb. 7	11.64	26	11.20	8	10.44	18	11.02
14	11.75	Oct. 4	11.02	15	10.52	25	11.18
21	11.95	10	10.95	22	10.70	Jan. 1, 1960	11.20
Mar. 6	11.58	17	11.15	29	10.88	8	11.00
14	11.42	24	11.28	June 5	11.08	15	10.55
21	11.34	31	11.48	12	11.32	22	11.00
27	11.36	Nov. 7	11.55	19	11.62	29	10.99
Apr. 4	10.95	14	11.56	26	11.58	Feb. 5	11.10
11	10.85	21	11.28	July 3	11.65	12	10.60
17	10.82	28	11.25	9	11.51	19	10.76
25	11.00	Dec. 5	11.30	17	11.65	26	10.78
May 2	10.75	12	11.44	24	11.90	Mar. 4	10.85
9	10.41	19	11.39	31	11.95	11	11.15
16	10.52	26	11.39	Aug. 7	12.08	18	11.22
23	10.89	Jan. 2, 1959	11.30	14	12.20	25	11.40
30	11.22	9	11.40	21	12.22	Apr. 1	10.71
June 6	11.32	16	11.30	28	12.00	8	10.62
13	10.85	23	11.14	Sept. 4	11.85	15	10.71
20	10.83	29	10.99	11	11.99	22	10.80
27	11.01	Feb. 6	11.00	18	12.25	29	11.10
July 4	11.35	13	10.59	25	12.41	May 6	11.25
11	11.31	20	10.85	Oct. 2	12.49	13	10.75
18	10.79	27	10.95	9	12.39	20	10.60
25	10.72	Mar. 6	10.55	16	12.35	27	10.35
Aug. 1	10.78	13	10.75	23	12.32	June 3	10.20
8	10.98	20	10.79	30	12.18	10	10.60
15	11.05	27	10.35	Nov. 6	11.90	17	10.48

Ek-1(D9d-0909)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 24, 1960	10.62	Feb. 10, 1961	13.10	Sept. 29, 1961	12.88	May 18, 1962	11.58
July 1	11.02		13.28	Oct. 6	12.99	25	11.68
8	11.22		12.80	13	12.99	June 1	11.62
15	11.35	Mar. 3	12.39	20	13.04	8	11.82
22	11.32	10	11.80	27	13.12	15	11.82
29	11.42	17	11.62	Nov. 3	13.15	22	12.05
Aug. 5	11.60	24	11.49	10	13.14	29	12.20
12	11.46	30	12.48	17	13.02	July 6	12.42
19	12.00	Apr. 7	11.52	24	12.75	13	12.48
26	12.25	14	11.22	Dec. 1	12.64	20	12.65
Sept. 2	12.39	21	11.12	8	12.90	27	12.75
9	12.30	28	10.65	15	12.90	Aug. 3	12.78
16	12.52	May 5	10.95	22	12.44	10	12.88
23	12.68	12	10.90	29	12.26	17	12.82
30	12.72	19	10.86	Jan. 5, 1962	12.30	24	12.80
Oct. 7	12.85	26	10.62	12	12.10	31	12.78
14	12.99	June 2	10.91	19	12.20	Sept. 7	12.84
21	13.29	9	11.29	26	12.15	14	12.92
28	13.18	16	11.10	Feb. 2	11.97	21	13.06
Nov. 4	13.18	23	11.31	9	11.85	28	12.88
11	13.17	30	11.40	16	11.66	Oct. 5	12.30
18	13.09	July 7	11.62	23	11.67	12	12.06
25	13.09	14	11.71	Mar. 2	11.65	19	11.88
Dec. 2	13.22	21	11.82	9	11.58	26	11.92
9	13.15	28	11.69	16	11.56	Nov. 2	11.80
16	13.18	Aug. 4	11.92	23	11.49	9	11.72
23	13.32	11	12.12	30	10.99	16	11.62
30	13.22	18	12.38	Apr. 6	10.89	23	11.73
Jan. 6, 1961	13.26	25	12.42	13	10.60	30	11.72
13	13.27	Sept. 1	12.68	20	10.70	Dec. 7	11.68
20	13.17	8	12.65	27	10.80	14	11.80
27	13.12	15	12.70	May 4	11.18	21	12.01
Feb. 3	13.22	22	12.77	11	11.22	28	12.02

Erie County

Er-1(B4b-3203). Mrs. Grace P. Estes. Near Carters Corners. Lat 41°57'10", long 79°52'00". Dug unused water-table well in sand of Pleistocene age, diam 4 ft, depth 18 ft (previously reported 19 ft). Lsd 1,440 ft above msl. MP top of platform, 0.65 ft above lsd (since 1962). Highest water level 6.82 (previously reported 7.22) below lsd, Apr. 20, 1952; lowest dry, Sept. 8-Dec. 1, 1934, Oct. 17-Nov. 14, 1957, Sept. 13-28, 1962. Records available: 1931-62. Recorder installed Sept. 11, 1962.

Jan. 7, 1958	11.81	July 15, 1958	14.30	Jan. 14, 1959	13.98	Aug. 19, 1959	17.11
14	12.72	22	13.28	21	13.91	26	17.14
21	12.78	29	14.44	28	12.02	Sept. 2	17.03
28	12.26	Aug. 5	13.86	Feb. 4	11.83	9	17.10
Feb. 4	12.50	12	10.66	11	12.62	16	17.16
11	13.00	19	11.93	18	11.80	23	17.34
21	14.44	26	13.34	25	12.79	30	17.37
25	14.75	Sept. 2	14.38	Mar. 4	12.47	Oct. 7	14.51
Mar. 4	10.17	9	11.62	11	12.00	14	14.26
11	10.58	16	11.32	18	11.57	21	14.60
18	11.76	23	9.63	25	11.65	28	14.27
24	11.32	30	11.45	Apr. 1	11.93	Dec. 2	12.74
Apr. 8	12.22	Oct. 7	12.93	8	11.57	9	13.32
15	12.79	14	15.20	15	12.31	16	11.90
22	13.14	21	16.37	22	14.00	23	13.50
29	13.89	28	16.77	29	15.04	30	13.32
May 6	11.26	Nov. 4	15.77	May 6	13.95	Jan. 4, 1960	10.73
13	10.92	11	16.44	13	15.37	Feb. 8	11.08
20	12.90	18	14.00	20	16.60	Mar. 2	12.95
27	14.98	25	12.34	27	17.03	Apr. 6	10.14
June 3	16.02	Dec. 2	12.01	June 3	16.97	May 11	13.90
10	16.55	9	12.00	10	17.12	June 15	14.95
17	16.74	16	12.52	17	17.19	July 11	16.83
24	16.92	23	13.32	24	17.25	Aug. 6	17.02
July 1	15.54	31	14.18	Aug. 5	17.13	Sept. 13	17.46
8	16.16	Jan. 7, 1959	13.56	12	17.06	Oct. 11	17.08

Er-1(B4b-3203)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 10, 1960	17.00	Mar. 13, 1961	9.31	May 29, 1961	12.81	Apr. 8, 1962	11.95
Dec. 4	16.70	Apr. 12	10.52	June 28	15.69	30	11.52
Jan. 6, 1961	15.61	May 8	10.06	Oct. 19	17.10	May 1	11.63

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.05	(k)	(k)
10	16.20	(k)	(k)
15	(f)	15.98	(k)	(k)
20	(f)	15.90	(k)	(k)
25	(f)	15.98	(k)	(k)
Eom	15.55	14.58	(k)	(k)

f Dry.

k Recorder frozen.

Franklin County

Fr-2(K13a-0047). U. S. Army. Letterkenny Ordnance Depot, Chambersburg. Lat 39°59'59", long 77°39'38". Drilled unused artesian well in Stones River Limestone of Middle Ordovician age, diam 8 to 6 in, depth 441 ft, cased to 60. Lsd 694 ft above msl. MP top of casing, 0.10 ft above lsd. Highest water level 10.26 below lsd, May 12, 1958; lowest 59.80 below lsd, Nov. 12, 1959. Records available: 1950-62.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.60	25.21	24.56	20.94	23.40	38.27	46.26	46.58	47.88	48.49	46.15	38.45
10	30.75	29.68	27.90	.....	.....	41.87	47.03	48.04	48.47	48.85	48.58	.....
15	27.72	35.65	31.49	22.10	13.88	44.95	47.40	28.20	48.74	48.86	48.90	47.95
20	27.15	40.38	30.74	.....	19.90	46.56	48.17	34.10	48.85	48.84	48.58	48.58
25	24.59	33.30	21.88	29.73	26.10	30.70	48.42	40.69	46.62	48.96	48.68	48.79
Eom	22.20	29.00	16.60	.....	33.60	41.37	.....	46.80	48.03	48.99	33.21	48.64

1959

5	45.30	.....	46.66	30.45	29.22	46.39	38.64	48.00	48.50	48.80	.....	.....
10	48.24	.....	29.90	35.52	35.75	47.22	38.90	33.40	48.80	48.98	.....	.....
15	48.74	30.20	31.35	30.53	32.53	31.30	30.70	46.60	48.70	48.95	.....	.....
20	47.68	31.61	30.19	34.60	40.80	36.80	31.19	47.60	48.92	49.05	.....	35.90
25	34.50	41.65	38.47	41.59	46.38	37.95	40.15	48.07	49.13	42.00	.....	.....
Eom	.....	45.53	38.43	28.65	47.52	38.47	47.00	48.40	49.19	.....	.....	.....

1960

5	.....	.....	.....	21.60	46.00	27.22	39.26	45.22	47.70	.....	47.55	48.20
10	.....	.....	.....	20.19	33.80	29.20	44.63	45.80	28.20	.....	47.40	48.41
15	36.90	43.27	36.50	24.81	43.50	28.50	39.50	46.95	25.20	.....	.....	48.29
20	30.00	.....	30.00	30.89	38.10	24.65	41.53	47.60	.....	47.55	48.28	48.29
25	.....	.....	32.38	37.65	34.60	28.18	46.16	45.30	.....	47.55	48.20	48.40
Eom	.....	.....	29.40	42.43	28.11	33.79	47.32	47.20	.....	47.42	46.00	48.23

1961

5	37.00	45.60	.....	22.82	15.05	46.32	48.25	48.45	48.65	48.96	49.20	49.39
10	29.80	45.98	12.60	22.45	31.58	46.60	48.58	48.65	48.65	49.00	49.10	49.50
15	30.10	34.00	17.30	18.45	29.50	47.45	48.41	48.75	48.82	49.00	48.95	48.30
20	29.21	21.90	19.70	16.35	33.65	48.00	48.42	48.86	49.00	49.00	48.90	32.10
25	34.40	13.50	17.10	15.20	39.20	47.25	48.55	48.80	48.97	49.15	44.60	45.20
Eom	42.30	.....	19.80	15.18	44.30	48.00	48.50	48.70	49.00	49.20	49.38	48.30

1962

5	44.00	44.45	20.40	24.85	29.39	47.43	48.55	48.86	40.20	29.38	39.90	.....
10	29.60	47.60	24.30	19.19	34.80	48.00	.....	48.86	48.38	34.70	46.40	.....
15	39.00	47.40	15.50	16.40	39.20	48.00	.....	48.86	48.70	46.40	.....	.....
20	42.00	35.85	14.50	21.30	42.70	48.50	.....	48.98	48.70	48.10	31.40	.....
25	45.27	27.10	15.25	25.80	43.40	48.62	.....	49.05	48.80	48.60	32.60	.....
Eom	45.85	21.67	21.80	31.00	46.39	48.20	.....	49.05	45.57	40.60	41.50	.....

Fulton County

Fu-1(J11c-4954). Commonwealth of Pennsylvania. Buchanan State Forest. Lat 40°03'12", long 78°08'52". Drilled unused water-table well in shale or sandstone of Mauch Chunk Formation of Upper Mississippian and Lower Pennsylvanian age, diam 6 in, depth 108 ft (previously reported 116 ft). Lsd 1,160 ft (previously reported 1,180 ft) above msl. MP top of casing, at lsd. Highest water level 1.60 below lsd, May 7, 1958, Mar. 30, 1960; lowest 6.80 below lsd, Nov. 4, 11, 18, 1953. Records available: 1951-62. Recorder installed Nov. 26, 1962.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1958	4.10	Mar. 18, 1959	3.20	June 1, 1960	2.40	Aug. 16, 1961	6.10
7	4.50	25	3.60	8	3.00	23	6.20
15	4.05	Apr. 1	3.70	15	2.50	30	6.10
22	3.80	8	3.60	22	3.50	Sept. 6	6.00
29	4.00	15	3.00	29	4.20	13	6.20
Feb. 5	4.30	22	3.60	July 6	4.60	16	6.00
12	4.25	29	2.70	13	5.00	20	6.25
19	4.50	May 6	3.20	20	4.90	27	6.40
26	3.20	13	3.50	27	5.20	Oct. 4	6.50
Mar. 5	2.75	20	3.60	Aug. 3	5.40	11	6.60
12	3.50	27	4.20	10	5.45	18	6.60
19	3.80	June 3	3.70	17	5.60	25	6.70
26	2.80	10	4.60	24	5.80	Nov. 1	6.70
Apr. 2	2.50	17	4.60	31	6.00	8	6.50
9	3.00	24	5.10	Sept. 6	6.10	15	6.60
16	3.30	July 1	5.40	14	5.80	22	6.40
23	3.40	8	5.60	21	5.60	29	6.20
30	2.50	15	5.20	28	5.80	Dec. 6	6.30
May 7	1.60	22	5.00	Oct. 5	5.90	13	6.10
14	2.50	29	5.40	12	6.00	20	5.50
21	3.50	Aug. 5	5.60	19	6.10	27	5.10
28	4.00	12	5.40	26	6.10	Jan. 3, 1962	5.60
June 4	4.15	19	5.70	Nov. 2	6.00	10	5.00
11	3.80	26	5.25	9	6.00	17	5.00
18	4.60	Sept. 2	4.50	16	6.00	24	5.10
25	3.80	9	5.30	23	6.15	31	5.05
July 2	4.60	16	5.60	30	6.10	Feb. 7	5.20
9	4.55	23	5.90	Dec. 4	6.10	14	5.20
16	3.40	30	6.00	14	6.15	21	5.30
23	4.30	Oct. 7	5.70	21	6.20	28	2.50
30	4.80	15	5.50	28	6.15	Mar. 8	3.60
Aug. 6	4.90	21	5.75	Jan. 4, 1961	6.10	14	2.70
13	5.10	28	4.30	11	5.90	21	1.80
20	5.20	Nov. 4	4.20	18	5.60	28	2.60
27	5.35	11	4.00	25	5.70	Apr. 4	3.00
Sept. 3	5.60	18	4.60	Feb. 1	5.65	11	2.80
10	5.65	25	4.20	8	5.60	18	2.90
17	5.65	Dec. 2	3.60	15	5.40	25	3.80
24	5.70	9	3.30	21	3.50	May 2	3.00
Oct. 1	5.75	16	3.00	Mar. 1	2.90	9	3.60
8	5.90	23	3.90	8	2.40	16	4.20
15	5.90	30	3.20	15	2.70	23	4.60
22	5.60	Jan. 6, 1960	3.10	22	2.80	31	4.80
30	5.80	13	3.50	29	2.60	June 6	4.90
Nov. 5	5.50	22	3.40	Apr. 5	3.00	13	4.70
12	5.75	27	4.00	12	2.40	20	5.00
19	5.70	Feb. 3	4.20	19	2.30	27	5.40
26	5.70	10	3.50	26	2.50	July 4	5.50
Dec. 3	5.50	17	3.70	May 3	3.40	11	5.60
10	5.40	24	3.40	10	3.60	18	5.90
17	5.60	Mar. 2	3.80	17	3.20	25	5.80
24	5.80	9	4.20	24	3.60	Aug. 1	6.20
31	5.90	16	4.30	31	4.30	8	6.30
Jan. 7, 1959	5.60	23	4.20	June 7	4.60	15	6.50
14	5.80	30	1.60	14	4.30	22	6.65
21	4.90	Apr. 6	1.80	21	4.70	29	6.70
28	4.80	13	3.20	28	4.90	Sept. 5	6.20
Feb. 4	4.70	20	3.80	July 5	5.20	26	6.60
11	3.90	27	4.20	12	5.40	Oct. 3	6.10
18	3.60	May 4	4.50	19	5.50	10	5.80
25	4.40	11	2.00	26	5.65	17	5.90
Mar. 5	4.60	18	1.80	Aug. 2	5.80	24	5.80
11	4.30	25	2.00	9	5.90	31	5.70

Fu-1(J11c-4954)--Continued.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.09
10	4.92
15	5.04
20	5.30
25	5.16
Eom	4.9?	5.15

Huntingdon County

Hu-1(H11c-1559). Mrs. Elizabeth B. Schell. Formerly Fred M. Schell. Near Aitch and Marklesburg. Lat 40°21'10", long 78°08'20". Drilled unused water-table well in sandstone of Chemung Formation, diam 6 in, depth 33 ft (previously reported 42 ft). Lsd 720 ft above msl. MP top of casing, at lsd. Highest water level 0.00, Mar. 15, 1941; lowest 26.25 below lsd, Oct. 1, 1932. Records available: 1931-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	21.31	Jan. 10, 1959	22.00	Jan. 9, 1960	19.17	Jan. 7, 1961	24.39
11	22.19	17	21.95	16	18.47	14	23.05
18	20.76	24	19.10	23	19.47	21	22.12
25	19.41	31	19.91	30	20.83	28	22.03
Feb. 1	21.68	Feb. 7	22.09	Feb. 6	20.55	Feb. 4	22.28
8	21.24	14	21.39	13	21.18	11	21.53
15	22.81	21	21.60	20	16.64	18	18.76
22	22.74	28	21.53	27	19.25	25	15.11
Mar. 1	12.61	Mar. 7	15.60	Mar. 5	20.39	Mar. 4	15.17
8	19.93	14	20.73	12	20.96	11	14.41
15	20.49	21	19.80	19	21.11	18	18.32
22	19.44	28	20.26	26	20.96	25	17.96
31	16.10	Apr. 4	19.88	Apr. 2	19.16	Apr. 1	18.18
Apr. 12	19.40	11	21.40	9	17.87	8	19.79
19	20.69	18	22.08	16	20.12	15	14.20
26	21.51	25	20.95	23	21.05	22	16.21
May 3	20.17	May 2	18.76	30	21.26	29	17.97
10	16.09	9	19.32	May 7	21.80	May 6	19.64
17	18.82	16	20.42	14	19.41	13	20.42
24	21.30	23	20.01	21	16.97	20	20.78
31	22.11	30	21.48	28	18.23	27	21.39
June 7	22.28	June 6	21.30	June 4	19.48	June 3	21.63
14	22.68	13	19.49	11	21.04	10	21.12
21	21.51	20	21.48	18	19.55	17	21.67
28	21.42	27	21.49	25	21.25	24	21.78
July 5	21.82	July 4	21.48	July 2	20.65	July 1	21.86
12	21.44	11	21.45	9	21.50	8	21.61
19	21.84	18	21.68	16	21.09	15	21.60
26	20.55	25	21.16	23	21.64	22	21.61
Aug. 2	18.07	Aug. 1	21.35	30	21.63	29	21.82
9	20.36	8	19.22	Aug. 6	21.69	Aug. 5	21.78
16	21.31	15	20.68	13	21.83	12	21.22
23	21.68	22	21.25	20	19.98	19	22.07
30	21.81	29	21.21	27	22.21	26	21.62
Sept. 6	21.25	Sept. 5	21.41	Sept. 3	22.09	Sept. 2	21.97
13	21.81	12	21.69	10	22.93	9	21.94
20	22.81	19	21.96	17	21.96	16	22.26
27	22.68	26	22.25	24	21.92	23	22.42
Oct. 4	23.02	Oct. 3	22.87	Oct. 1	21.64	30	22.66
11	23.33	10	22.58	8	21.95	Oct. 7	22.78
18	23.61	17	22.30	15	22.41	14	23.40
25	23.32	25	18.39	22	22.74	21	23.91
Nov. 1	23.28	31	20.66	29	22.68	28	24.54
8	23.04	Nov. 7	18.87	Nov. 5	22.88	Nov. 4	24.82
15	23.39	14	20.93	12	23.41	11	25.00
22	23.49	21	21.09	19	23.98	18	24.57
29	22.94	26	13.82	26	24.24	25	22.95
Dec. 6	21.92	Dec. 5	18.62	Dec. 3	24.39	Dec. 2	23.43
13	22.40	12	19.67	10	24.59	9	24.95
20	22.72	19	19.47	17	24.98	16	24.12
27	24.81	26	20.76	24	25.00	23	21.80
Jan. 3, 1959	19.20	Jan. 2, 1960	20.37	31	24.97	30	22.85

Hu-1(H11c-1559)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1962	21.56	Apr. 7, 1962	18.21	July 7, 1962	23.58	Oct. 6, 1962	22.89
13	21.02	14	16.31	14	23.47	13	23.49
20	22.28	21	18.29	21	23.68	20	23.92
27	21.23	28	20.10	28	23.75	27	24.40
Feb. 3	21.57	May 5	21.29	Aug. 4	23.93	Nov. 3	23.80
10	21.55	12	21.86	11	23.58	10	21.68
17	21.66	19	21.38	18	23.79	17	21.34
24	15.67	26	22.19	25	24.05	24	21.03
Mar. 3	16.82	June 3	22.40	Sept. 1	24.05	Dec. 1	21.74
10	19.17	9	22.61	8	23.43	8	22.06
17	17.16	16	22.44	15	23.84	15	22.93
24	15.18	23	22.67	22	24.19	22	22.56
31	18.29	30	24.48	29	23.06	29	23.05

Indiana County

In-1(G7c-0547). Commonwealth of Pennsylvania. Indiana State Teachers College, Indiana. Lat 40°37'00", long 79°09'30". Drilled unused artesian well in sandstone and shale of Conemaugh Formation of Upper Pennsylvanian age, diam 6 in, depth 198 ft (previously reported 200 ft). Lsd 1,305 ft (previously reported about 1,300 ft) above msl. MP top of casing, 5.00 ft below lsd. Highest water level 72.50 below lsd, Apr. 13, 1962; lowest 87.03 below lsd, Oct. 19, 1946 (previously reported 92.45 below lsd, Sept. 7, 1952). Records available: 1944-47, 1949-62.

Jan. 3, 1958	79.85	Nov. 21, 1958	79.10	Oct. 9, 1959	79.70	Aug. 26, 1960	79.00
10	79.40	26	78.80	16	79.58	3	79.26
17	79.00	Dec. 5	78.45	23	79.38	9	79.28
24	78.55	12	78.24	30	79.00	16	78.82
31	78.10	19	78.45	Nov. 6	78.32	23	78.45
Feb. 7	77.95	29	78.80	13	77.81	30	78.50
14	78.00	Jan. 2, 1959	78.50	20	77.63	Oct. 7	79.00
21	78.00	9	78.40	25	77.10	14	79.20
28	77.10	16	78.10	Dec. 4	76.75	21	79.36
Mar. 7	77.00	23	78.20	11	76.55	28	79.25
14	76.60	30	77.50	18	75.85	Nov. 4	79.10
21	76.50	Feb. 6	77.75	26	75.80	11	78.78
28	76.20	13	77.23	31	76.00	18	78.30
Apr. 3	76.20	20	77.10	Jan. 8, 1960	75.55	23	78.38
11	76.30	27	77.00	15	75.20	Dec. 2	78.59
18	76.20	Mar. 6	76.28	22	75.55	9	78.38
25	76.65	13	76.55	29	75.51	16	78.12
May 2	76.40	20	76.63	Feb. 5	75.43	23	78.38
9	75.00	26	76.70	12	75.42	30	78.10
16	75.30	Apr. 3	76.25	19	74.95	Jan. 6, 1961	77.94
26	76.10	10	76.50	26	74.74	13	77.40
June 2	76.28	17	76.45	Mar. 4	74.81	20	76.80
6	76.42	24	76.54	11	75.25	27	76.78
13	76.58	May 1	76.22	18	74.96	Feb. 3	77.00
20	76.98	8	76.30	25	75.10	10	77.20
27	77.32	15	76.32	Apr. 1	74.68	17	76.75
July 3	77.60	22	76.68	8	74.38	24	75.77
11	77.20	29	76.85	14	74.40	Mar. 3	75.48
18	76.35	June 5	76.85	22	74.25	10	75.40
25	75.85	12	77.00	29	74.00	20	75.71
Aug. 1	75.72	19	77.48	May 6	73.78	24	75.38
8	75.78	26	77.95	13	73.38	31	75.20
15	76.30	July 3	78.35	20	73.70	Apr. 7	75.38
22	77.25	10	78.02	27	74.30	14	75.11
29	77.85	17	78.30	June 3	74.55	21	75.31
Sept. 5	78.60	24	78.45	10	75.50	28	74.80
12	78.45	31	78.56	17	75.47	May 5	75.32
19	78.90	Aug. 7	78.65	24	75.90	12	75.00
26	78.85	14	79.00	July 1	76.74	20	75.18
Oct. 3	78.85	21	79.27	8	76.72	26	75.10
10	78.78	28	79.50	15	76.80	June 2	75.46
17	79.14	Sept. 4	78.93	22	77.15	9	75.78
24	79.40	11	78.95	29	77.50	16	75.89
31	79.78	18	79.39	Aug. 5	77.96	23	78.83
Nov. 7	79.80	25	79.61	12	78.24	30	76.39
14	79.60	Oct. 2	79.85	19	78.59	July 7	76.52

In-1(G7c-0547)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 14, 1961	76.83	Nov. 24, 1961	76.64	Apr. 20, 1962	73.87	Aug. 24, 1962	79.58
21	76.85	Dec. 1	76.62	27	74.60	Sept. 7	78.88
28	76.96	8	76.54	May 5	75.58	14	78.29
Aug. 4	76.60	Jan. 2, 1962	75.25	11	76.25	21	78.51
11	76.70	5	75.58	18	76.90	28	77.98
18	77.00	12	75.00	25	77.33	Oct. 5	77.45
25	77.17	19	74.92	June 4	77.80	12	77.25
31	77.40	26	74.60	8	77.96	19	77.45
Sept. 8	77.79	Feb. 2	74.48	15	77.99	26	77.24
15	78.00	9	74.10	22	78.14	Nov. 2	77.24
22	78.05	16	74.18	29	78.56	9	77.22
29	78.29	23	74.20	July 6	78.71	16	77.06
Oct. 6	78.26	Mar. 2	73.95	13	78.97	28	77.15
13	78.19	9	73.64	20	79.29	30	77.04
20	77.94	16	73.63	27	79.37	Dec. 7	77.12
27	78.38	23	73.26	Aug. 3	79.43	14	77.20
Nov. 3	78.22	30	73.20	10	79.58	21	77.16
10	78.30	Apr. 6	72.92	17	79.28	28	76.55
17	77.88	13	72.50				

Lackawanna County

Lk-4(E21a-2259). Commonwealth of Pennsylvania. Lackawanna State Forest. Lat 41°13'22", long 75°38'64". Dug unused water-table well in shale and sandstone of Ca'skill Formation of Devonian age, diam 36 in, depth 9 ft. Lsd 1,190 ft above msl. MP wooden cover, 0.40 ft above lsd. Highest water level 1.69 below lsd, Dec. 27, 1957; lowest 9.08 below lsd, Sept. 2, 1957. Records available: 1953-62.

June 8, 1953	2.84	June 11, 1954	4.07	July 27, 1955	5.22	Nov. 19, 1956	3.98
28	4.47	19	4.15	Sept. 12	4.09	29	3.74
July 2	5.75	26	4.18	23	4.95	Dec. 10	3.78
6	5.58	July 3	4.30	Nov. 4	3.28	19	3.44
13	4.37	21	4.28	15	3.54	28	3.92
21	4.78	31	4.97	28	4.34	Jan. 7, 1957	5.32
30	6.75	Aug. 10	6.83	Dec. 4	4.48	18	5.03
Aug. 6	5.73	20	6.29	12	5.34	26	3.57
14	6.47	28	5.23	24	5.11	Feb. 5	3.64
24	7.42	Sept. 3	4.67	Jan. 5, 1956	5.51	19	3.98
Sept. 3	7.90	21	4.14	16	4.24	28	3.56
11	5.63	27	4.30	23	4.78	Mar. 11	4.12
20	6.17	Oct. 8	4.43	31	4.55	18	3.25
28	6.97	20	3.68	Feb. 10	4.42	27	3.00
Oct. 6	6.85	30	2.79	18	3.28	Apr. 8	2.33
15	7.68	Nov. 11	3.58	25	3.62	17	2.76
22	8.00	19	3.37	Mar. 6	2.65	May 4	4.22
28	7.07	Dec. 4	3.50	15	3.34	11	4.57
Nov. 12	4.19	9	3.71	31	3.88	22	2.99
24	2.45	18	3.48	Apr. 14	4.28	31	3.85
Dec. 4	3.57	24	3.88	23	3.75	June 10	4.44
10	1.96	Jan. 8, 1955	3.87	May 3	3.00	18	4.56
21	2.50	20	3.75	12	3.85	29	4.92
Jan. 5, 1954	3.73	29	4.27	21	4.48	July 8	5.15
12	3.85	Feb. 7	2.98	27	3.24	24	5.52
19	3.90	15	4.55	June 9	4.33	Aug. 6	5.55
27	2.07	26	3.42	18	4.32	15	7.70
Feb. 5	3.48	Mar. 6	3.75	27	4.53	23	8.15
13	3.79	19	4.14	July 5	3.34	Sept. 2	9.08
23	3.15	29	4.55	12	4.13	14	8.32
Mar. 8	3.37	Apr. 9	4.10	23	4.42	24	7.92
15	3.13	16	3.42	Aug. 3	4.85	30	8.18
24	3.38	29	3.87	15	4.98	Oct. 9	8.37
Apr. 5	3.39	May 11	4.44	24	5.20	16	7.64
13	3.32	20	4.41	Sept. 8	4.87	23	6.24
20	3.23	27	4.45	18	5.32	Nov. 11	5.57
May 1	3.36	June 8	5.58	27	5.27	25	4.36
12	2.90	20	4.78	Oct. 6	4.73	30	3.90
21	3.10	30	5.58	22	4.56	Dec. 9	4.54
26	3.35	July 5	7.98	31	3.75	20	2.78
June 2	3.67	9	5.06	Nov. 8	3.86	27	1.69

Lk-4(E21a-2259)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1958	3.58	Mar. 14, 1959	3.65	May 25, 1960	3.33	Aug. 16, 1961	3.86
18	3.46	24	4.08	June 6	3.98	23	3.82
27	3.56	31	4.00	15	3.71	Sept. 8	3.84
Feb. 12	4.28	Apr. 10	3.54	24	3.92	18	3.90
24	3.53	20	2.98	July 6	3.04	25	4.69
Mar. 10	3.48	May 5	4.48	17	3.48	30	4.28
17	3.55	18	3.70	27	4.51	Oct. 13	4.57
24	4.24	29	4.28	Aug. 9	4.17	30	4.62
31	4.37	June 7	4.25	19	3.99	Nov. 16	3.93
Apr. 11	3.52	15	3.97	29	4.32	25	3.95
23	2.88	26	4.20	Sept. 7	4.30	30	3.93
29	3.00	July 11	4.30	16	2.68	Dec. 11	3.77
May 5	3.28	20	3.52	Oct. 10	4.14	27	3.91
14	3.93	28	4.39	18	4.40	Jan. 9, 1962	3.74
22	4.39	Aug. 7	4.17	21	3.90	18	3.74
31	4.52	15	4.57	30	4.02	27	4.10
June 9	5.11	27	4.69	Nov. 9	4.04	Feb. 8	4.12
20	4.08	Sept. 8	5.07	21	4.18	20	4.11
28	4.10	18	5.13	29	4.06	Mar. 1	4.10
July 13	4.80	28	7.96	Dec. 12	4.02	10	3.72
21	4.68	Oct. 7	3.18	19	4.04	21	3.74
Aug. 1	5.11	16	3.97	29	4.02	31	3.80
10	5.79	24	2.92	Jan. 7, 1961	4.00	Apr. 9	4.57
19	5.70	31	3.43	14	3.98	19	4.05
30	6.50	Nov. 9	3.35	23	4.00	May 4	3.79
Sept. 13	6.17	19	3.30	30	4.02	16	4.00
23	4.15	27	3.58	Feb. 10	4.04	28	4.30
30	3.70	Dec. 7	3.55	18	4.00	June 8	4.44
Oct. 9	3.87	17	3.97	Mar. 6	4.16	19	4.49
16	3.85	26	3.89	13	4.13	27	4.56
25	2.78	Jan. 7, 1960	3.66	22	2.82	July 8	4.86
31	3.15	16	4.22	30	2.40	17	4.89
Nov. 10	3.50	27	4.38	Apr. 12	3.57	28	4.50
21	3.82	Feb. 5	4.20	22	3.51	Aug. 14	5.22
Dec. 1	3.85	15	4.04	May 3	3.62	23	5.00
13	4.34	23	2.78	13	3.65	31	4.96
20	4.50	Mar. 7	3.70	23	4.18	Sept. 10	5.56
31	4.42	17	3.70	31	4.16	29	5.58
Jan. 10, 1959	4.57	24	3.74	June 10	3.68	Oct. 9	3.48
17	4.19	31	3.72	21	4.57	18	3.77
23	3.66	Apr. 11	3.92	30	4.53	Nov. 5	3.80
Feb. 7	3.27	18	4.04	July 10	4.58	16	3.82
17	3.54	28	3.11	21	4.14	Dec. 14	4.11
26	3.68	May 6	3.39	Aug. 11	3.86	27	4.19
Mar. 6	3.70	16	3.29				

Lebanon County

Le-377(H18c-2333). Levitz Frozen Foods. Lebanon. Lat 40°19'30", long 76°26'15". Drilled unused artesian well in limestone of Ontelaunee Formation of Ordovician age, diam 8 to 6 in, depth 205 ft, cased to 30. Lsd 46 ft above msl. MP top of casing, 4.00 ft above lsd. Highest water level 5.60 below lsd, Mar. 16, 1962; lowest 9.93 below lsd, Aug. 7, 1962. Records available: 1962.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.87	....	8.05	9.05	9.91	8.55	7.20	7.90	....
10	6.35	....	8.45	9.05	7.91	9.18	7.63	6.45	....
15	6.00	....	8.30	9.05	8.78	9.45	8.20	7.00	....
20	5.92	6.40	....	8.67	9.05	9.21	9.35	8.00	....	....
25	5.95	6.79	7.70	8.69	9.50	9.20	9.60	8.97	....	....
Eom	6.58	7.05	8.00	8.90	9.80	9.37	8.65	8.05	....	....

Lehigh County

Le-302(G22c-6155). Alex Fudali. RD #4, Bethlehem. Lat 40°32'30", long 75°23'45". Drilled unused artesian well in limestone of Tomstown Formation of Cambrian age, diam 6 in, depth 115 ft. Lsd 405 ft above msl. MP top of casing, at lsd. Highest water level 6.74 below lsd, June 24, 1953; lowest 101.25 below lsd, Oct. 18, 1962. Records available: 1953-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 24, 1953	6.74	Jan. 10, 1956	33.63	June 7, 1958	59.27	Sept. 15, 1960	88.40
July 10	7.50	Feb. 15	35.35	July 1	59.38	Oct. 12	88.29
24	7.64	Mar. 8	34.05	Aug. 1	60.82	Nov. 9	89.06
Aug. 10	8.18	Apr. 5	33.07	28	62.53	Dec. 8	89.91
Sept. 29	10.64	May 4	33.21	Sept. 26	64.64	Jan. 5, 1961	91.17
Nov. 13	11.69	June 2	34.72	Oct. 24	66.88	Feb. 2	91.58
Dec. 21	10.38	28	36.37	Nov. 25	68.89	28	95.83
Jan. 19, 1954	12.70	Aug. 2	39.13	Dec. 16	70.27	Mar. 23	90.53
Feb. 25	14.10	29	41.55	Jan. 14, 1959	72.24	Apr. 20	87.76
Mar. 17	14.07	Sept. 27	43.84	Feb. 12	75.13	May 18	86.31
Apr. 27	15.32	Oct. 25	46.35	Mar. 12	75.59	July 10	87.11
May 27	16.11	Nov. 26	48.75	Apr. 9	76.81	Aug. 10	86.67
June 28	18.01	Dec. 27	50.49	May 8	78.15	Sept. 5	86.18
July 13	18.91	Jan. 29, 1957	52.19	June 24	80.84	Oct. 3	87.07
Aug. 13	20.75	Feb. 20	53.26	July 22	82.55	25	89.30
Sept. 13	22.43	Mar. 27	54.99	Aug. 19	84.49	Nov. 17	95.01
Oct. 13	26.24	May 1	53.55	Sept. 10	85.14	Dec. 4	89.74
Dec. 16	28.90	24	54.33	Oct. 8	90.15	Jan. 3, 1962	95.77
Jan. 14, 1955	27.54	June 24	55.52	Nov. 2	93.90	Feb. 1	92.60
Mar. 11	28.67	July 22	57.02	Dec. 2	89.49	Mar. 5	92.31
Apr. 8	26.22	Aug. 21	59.06	29	92.65	Apr. 4	91.00.17
May 4	26.37	Sept. 23	61.24	Jan. 27, 1960	90.94	May 24	99.82
June 28	27.41	Oct. 19	62.83	Feb. 24	91.13	June 25	89.47
July 27	29.65	Nov. 20	65.03	Mar. 23	90.71	July 24	91.24
Aug. 23	28.56	Dec. 17	66.69	Apr. 20	88.71	Aug. 23	91.58
Sept. 15	30.30	Jan. 16, 1958	67.59	May 19	87.60	Sept. 20	92.71
Oct. 14	31.67	Feb. 13	67.69	June 20	87.40	Oct. 18	101.25
Nov. 9	30.32	Apr. 10	66.22	July 20	88.10	Nov. 15	94.81
Dec. 8	31.64	May 8	61.91	Aug. 16	88.23		

a Well being pumped.

Luzerne County

Lu-243(D18d-5152). Commonwealth of Pennsylvania. Ricketts Glen State Park. Fairmount Township. Lat 41°18'00", long 76°16'30". Drilled unused artesian well in shale and sandstone of Catskill Formation of Devonian age, diam 6 in, depth 195 ft, cased to 40. Lsd 1,280 ft above msl. MP top of casing, 1.30 ft above lsd. Highest water level 36.08 below lsd, Mar. 31, 1950; lowest 58.70 below lsd, Oct. 5, 1957. Records available: 1948-50, 1955-62.

Lowest water level for the day, from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	.....	.....	.....	.....	.....	56.90	55.60	56.40	50.80	54.40	.....
25	.....	.....	.....	.....	.....	.....	57.30	54.70	56.60	52.10	54.80	.....
Eom	.....	.....	.....	.....	.....	.....	57.80	55.20	56.30	53.00	53.30	.....
1956												
5	.....	.....	53.90	53.90	52.20	55.10	55.80	54.60	55.80	56.30	54.30	55.20
10	.....	.....	52.60	53.30	52.60	55.10	56.00	54.90	56.20	56.30	54.20	55.10
15	.....	55.30	53.00	53.10	53.50	56.10	56.30	55.40	55.90	56.60	54.60	54.50
20	.....	54.40	53.80	53.70	54.30	56.20	56.10	55.70	56.00	56.50	54.90	53.10
25	.....	54.40	54.20	54.00	54.60	.....	54.90	56.00	56.00	55.60	54.90	.....
Eom	.....	53.80	54.10	53.50	55.10	.....	54.10	.....	56.30	54.70	55.00	52.70
1957												
5	53.40	53.90	.....	53.10	53.70	.....	56.80	57.60	57.80	58.70	57.40	55.60
10	54.00	54.60	.....	51.10	54.20	.....	56.50	57.50	57.60	58.00	57.50	55.10
15	54.40	54.30	.....	52.60	54.60	.....	57.00	57.70	57.70	58.20	57.30	54.80
20	54.80	54.40	.....	53.70	54.90	.....	57.10	57.70	57.80	57.40	56.20	54.70
25	53.70	54.60	.....	54.10	55.10	56.10	57.10	58.30	57.90	57.30	55.60	51.80
Eom	53.40	54.70	54.70	53.10	.....	56.50	57.30	58.10	58.30	57.20	55.60	51.50

Lu-243(D18d-5152)--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	52.40	53.40	52.70	51.82	52.10	54.63	55.28	54.88	55.85	54.19	53.82	52.73
10	53.10	53.80	52.50	51.18	52.14	54.52	53.57	55.59	55.41	54.39	53.69	52.72
15	53.70	54.20	53.73	51.92	52.68	53.56	53.43	55.45	55.81	54.76	54.68	53.17
20	54.10	54.70	53.27	52.73	53.51	53.30	54.43	55.67	55.54	55.19	54.20	53.67
25	52.90	55.00	53.56	52.96	54.25	54.02	54.50	55.62	54.25	54.72	54.33	54.20
Eom	52.90	54.80	51.81	52.73	55.07	54.60	54.50	56.55	54.37	54.14	53.51	54.58

1959

5	54.67	53.15	53.90	51.80	52.21	.....	56.65	57.05	56.77	57.08	53.05	51.81
10	54.77	53.42	53.11	52.13	52.97	.....	56.50	56.92	56.78	56.64	52.72	51.46
15	54.89	52.81	53.41	51.81	53.45	55.60	56.50	57.26	56.92	55.04	52.87	50.62
20	54.77	53.03	53.46	52.40	54.11	55.85	56.79	57.29	57.23	55.48	52.59	51.72
25	52.10	53.53	52.99	53.87	54.46	56.03	56.82	57.37	57.34	54.36	.....	.....
Eom	52.74	53.78	52.65	51.81	.....	56.23	57.03	57.04	57.42	53.87	.....	52.58

1960

5	51.03	54.00	53.19	49.54	54.23	52.50	53.81	55.33	55.82	53.16	53.97	53.74
10	51.68	53.88	53.73	50.68	53.90	52.74	54.46	54.30	55.42	53.49	53.76	53.82
15	52.52	51.95	54.11	51.84	52.03	.....	54.46	54.61	52.42	53.95	53.96	54.07
20	53.10	52.34	54.38	52.74	52.12	51.68	54.88	54.91	52.28	54.19	54.10	54.49
25	53.59	52.68	54.66	53.60	52.28	52.28	55.36	55.36	52.38	54.37	54.27	54.69
Eom	53.99	52.32	53.96	53.88	52.58	53.08	55.55	55.44	52.86	54.56	54.33	54.98

1961

5	55.11	55.36	51.47	52.27	52.60	54.78	54.94	55.70	56.45	57.02	57.42	56.69
10	55.20	55.48	51.27	52.75	52.41	54.68	55.16	55.83	56.72	57.17	57.48	56.79
15	55.20	55.60	52.00	52.21	51.96	54.58	55.32	55.93	56.56	57.15	57.19	56.70
20	55.14	55.36	52.15	51.24	52.35	54.90	55.29	56.34	56.78	57.28	56.97	56.11
25	55.25	54.06	52.23	51.85	52.99	54.90	55.38	56.62	57.12	57.40	56.78	55.16
Eom	55.30	51.50	51.78	52.42	53.96	54.56	55.62	56.95	56.95	57.35	56.50	55.12

1962

5	.....	53.75	53.18	50.60	54.13	.....	56.54	57.06	56.83	56.32	54.32	53.77
10	.....	54.08	53.55	49.97	54.10	55.72	56.72	56.52	57.07	53.85	54.02	53.10
15	.....	54.42	52.50	51.10	54.44	.....	56.94	56.62	57.10	54.23	52.66	52.81
20	.....	54.74	52.34	51.95	55.30	.....	56.34	57.04	57.10	.....	53.02	53.28
25	.....	54.75	51.57	53.01	54.86	55.86	56.43	56.97	57.30	.....	53.41	53.44
Eom	.....	54.24	51.56	53.56	55.40	56.16	56.64	56.87	56.94	54.92	53.44	53.84

Lycoming County

Ly-1(D13b-2229). Commonwealth of Pennsylvania. Tiadaghton State Forest. Lat 41°28'00", long 77°33'50". Drilled unused water-table well in shale and sandstone of Pottsville Group of Lower to Middle Pennsylvanian age, diam 4 in, depth 74 ft. Lsd 2,070 ft above msl. MP top of casing, 6.00 ft below lsd. Highest water level 16.97 below lsd, Dec. 11, 1950; lowest 31.00 below lsd, Sept. 28, Oct. 12, 20, 1959. Records available: 1949-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	28.12	June 23, 1958	27.00	Dec. 8, 1958	27.56	June 2, 1958	27.47
13	28.39	29	27.39	15	27.82	8	28.27
20	28.29	July 7	27.71	22	27.92	15	28.67
27	28.41	14	27.46	29	27.96	22	28.28
Feb. 5	28.20	22	27.08	Jan. 5, 1959	28.46	July 6	28.98
10	28.27	28	27.26	12	28.90	16	29.74
18	28.54	Aug. 4	27.33	19	28.43	20	29.73
24	28.87	11	26.62	26	27.15	27	30.12
Mar. 3	28.59	18	28.07	Feb. 2	26.54	Aug. 3	30.40
10	27.48	25	27.80	9	26.60	10	30.37
17	27.21	Sept. 3	28.74	16	26.30	17	29.60
24	27.45	9	28.85	23	26.08	24	29.73
31	27.20	15	28.78	Mar. 2	26.54	31	30.27
Apr. 8	25.35	22	28.58	9	26.63	Sept. 9	30.45
16	22.40	29	27.76	16	26.22	14	30.55
22	21.04	Oct. 6	27.62	24	26.02	22	30.87
28	21.69	15	27.83	30	24.40	28	31.00
May 5	22.15	21	28.13	Apr. 6	22.74	Oct. 5	30.85
12	22.27	28	28.67	13	22.88	12	31.00
19	23.77	Nov. 3	28.67	20	24.20	20	31.00
27	25.85	10	28.39	May 4	24.50	27	30.66
June 2	26.68	18	28.27	11	24.75	Nov. 5	29.56
10	25.95	26	27.98	19	26.00	10	28.69
16	27.30	Dec. 3	28.26	25	27.54	17	27.68

Ly-1(D13b-2229)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 23, 1959	28.20	Aug. 29, 1960	29.36	June 12, 1961	26.91	Mar. 26, 1962	25.00
30	27.90	Sept. 5	29.48	19	26.91	Apr. 2	22.71
Dec. 7	26.24	12	29.16	26	27.18	9	20.28
14	26.07	19	29.36	July 5	27.55	16	19.85
21	26.29	26	29.30	10	27.98	24	20.57
28	25.42	Oct. 3	29.41	17	28.17	30	21.15
Jan. 4, 1960	25.20	17	29.74	24	28.40	May 7	22.44
11	25.46	24	29.65	31	28.46	21	22.73
18	26.31	31	30.02	Aug. 7	28.22	28	24.46
25	27.00	Nov. 7	30.00	14	28.43	June 4	24.64
Feb. 1	27.35	15	24.30	21	29.10	11	25.20
8	27.90	21	30.14	28	28.59	18	25.60
15	27.65	28	30.29	Sept. 5	28.92	27	26.45
23	27.15	Dec. 5	30.19	11	28.98	July 2	27.00
29	27.74	12	29.61	18	29.46	9	27.35
Mar. 7	28.90	19	29.91	25	29.39	16	28.00
14	28.15	26	27.53	Oct. 4	29.46	23	27.93
21	28.35	Jan. 3, 1961	29.40	9	29.94	30	28.40
30	28.39	11	29.75	23	30.72	Aug. 6	28.41
Apr. 4	25.80	16	29.70	30	26.89	14	28.55
11	23.12	23	29.67	Nov. 6	26.73	20	28.85
18	25.82	31	29.68	14	26.64	27	29.07
26	25.12	Feb. 6	29.89	20	26.73	Sept. 4	29.36
May 2	26.29	14	29.77	27	26.33	10	29.43
9	26.65	20	29.46	Dec. 6	25.56	17	29.61
16	26.79	27	27.66	11	24.72	23	30.00
24	23.46	Mar. 6	26.15	18	24.49	Oct. 1	28.83
30	22.14	13	23.21	25	24.17	8	27.02
June 6	23.34	20	23.46	Jan. 2, 1962	23.89	22	26.47
14	25.05	27	24.19	15	23.63	29	26.59
20	23.74	Apr. 3	23.91	22	25.36	Nov. 5	26.72
27	23.73	10	24.43	29	24.30	12	26.73
July 5	25.75	17	24.60	Feb. 5	24.06	19	26.45
11	26.60	24	22.22	14	24.38	28	26.49
18	27.65	May 1	22.08	19	24.70	Dec. 4	26.71
26	27.53	8	23.64	26	25.15	10	26.10
Aug. 1	28.15	16	24.19	Mar. 5	24.95	17	26.44
9	28.15	23	24.63	13	25.02	24	26.55
15	28.46	29	25.00	19	25.22	31	26.67
22	28.55	June 7	26.25				

Mifflin County

Mf-1(G13b-3237). Charles C. Naginey. Village of Naginey. Lat 40°42'10", long 77°33'10".
 Dug unused water-table well in limestone of Cambrian or Ordovician age, diam 36 in, depth 28 ft,
 cased with stone. Lsd 680 ft above msl. MP top of wooden cover, at lsd. Highest water level
 5.88 below lsd, Dec. 4, 1950; lowest 24.28 below lsd, Oct. 28, 1961. Records available: 1941-
 42, 1946-62 (previously reported 1941-57).

Jan. 7, 1958	18.2	May 26, 1958	19.6	Oct. 14, 1958	23.4	Mar. 2, 1959	19.0
14	20.0	June 2	20.0	21	23.00	9	17.0
20	18.0	9	20.6	27	23.00	16	18.0
Feb. 27	18.4	16	19.6	Nov. 3	22.00	23	17.0
3	20.0	23	19.5	11	20.00	30	16.0
10	20.7	30	21.0	20	20.00	Apr. 9	17.0
17	19.3	July 8	21.5	24	21.50	13	15.0
24	20.6	14	23.0	Dec. 1	20.5	20	17.0
Mar. 3	16.0	21	23.4	12	21.0	27	18.0
10	18.5	28	23.4	15	20.7	May 4	17.0
17	20.0	Aug. 8	23.4	22	20.4	11	17.0
24	19.4	11	23.5	29	21.1	18	18.0
31	15.3	18	23.6	Jan. 5, 1959	19.0	25	18.0
Apr. 7	16.1	25	23.4	13	21.0	June 1	19.0
14	17.5	Sept. 1	23.0	20	20.0	9	20.0
21	19.0	8	23.0	26	17.0	15	20.0
28	18.5	17	23.0	Feb. 4	18.0	22	21.0
May 5	17.0	23	21.0	9	19.0	29	23.0
12	16.0	29	23.0	18	17.0	July 6	21.0
21	19.4	Oct. 6	22.5	23	18.6	13	21.0

Mf-1(G13b-3237)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 20, 1959	22.0	May 31, 1960	16.00	Apr. 7, 1961	19.68	Feb. 24, 1962	16.78
27	23.0	June 6	19.00	15	12.66	Mar. 2	14.69
Aug. 3	22.0	13	20.00	22	16.26	10	23.34
10	22.0	20	19.00	29	18.04	17	18.36
17	23.0	27	21.00	May 6	20.00	24	16.84
24	23.0	July 5	21.00	13	18.25	30	18.50
Sept. 2	18.0	11	22.00	20	17.20	Apr. 4	16.90
8	19.0	18	21.00	26	20.12	12	15.13
14	22.0	26	22.00	June 2	21.80	20	19.30
21	23.0	Aug. 1	23.00	9	21.25	28	21.60
28	24.0	8	22.00	22	21.90	May 5	21.68
Oct. 5	21.0	15	23.00	30	22.50	11	21.80
12	20.0	22	23.30	July 8	22.69	18	22.20
19	21.0	27	23.17	15	21.60	25	22.45
26	17.0	29	23.28	20	22.25	June 2	22.40
Nov. 2	19.0	Sept. 6	23.30	29	23.36	8	22.48
9	17.0	12	21.70	Aug. 4	21.10	16	22.54
16	19.0	19	22.60	12	23.40	23	23.24
23	21.0	26	22.85	19	23.41	29	23.33
30	17.0	Oct. 10	23.21	25	23.42	July 6	23.42
Dec. 7	19.0	20	23.27	Sept. 2	23.40	14	23.45
17	17.0	29	21.80	9	23.31	21	23.50
21	18.0	Nov. 3	22.60	16	23.28	28	23.95
27	19.0	12	23.26	25	23.31	Aug. 4	23.78
Jan. 4, 1960	16.00	19	23.19	30	23.40	11	23.83
11	19.00	21	23.16	Oct. 7	23.33	18	23.72
20	20.00	Dec. 2	22.60	14	23.54	25	23.54
27	21.00	9	22.30	20	23.56	Sept. 1	23.46
Feb. 2	21.00	15	23.27	28	24.28	8	23.35
8	20.00	23	23.22	Nov. 4	24.02	15	23.31
16	20.00	30	23.17	15	23.31	29	22.53
22	17.00	Jan. 7, 1961	23.23	24	23.05	Oct. 7	18.17
Mar. 3	21.00	12	23.06	Dec. 2	22.63	13	22.73
7	22.00	20	21.90	9	23.33	20	23.07
14	22.00	27	22.53	16	22.57	27	23.09
21	21.00	Feb. 2	22.48	22	20.63	Nov. 2	22.08
28	20.00	10	22.54	30	22.28	10	20.74
Apr. 5	11.00	17	21.50	Jan. 6, 1962	22.28	18	21.39
11	16.00	27	15.45	12	20.40	24	21.89
18	19.00	Mar. 4	15.80	20	20.34	Dec. 1	21.80
25	20.00	9	15.13	26	20.80	8	20.60
May 2	22.00	18	17.60	Feb. 2	21.34	15	21.60
9	17.00	23	19.40	12	21.36	22	21.43
16	17.00	31	18.36	17	20.65	28	21.80
23	16.00						

Montgomery County

Mg-2(J21a-0147). Commonwealth of Pennsylvania. Pottsgrove Manor, Fottstown. Lat 40°14'50", long 75°39'30". Dug domestic water-table well in shale of Brunswick Formation of Triassic age, diam 4 ft, depth 30 ft. Lsd 158 ft above msl. MP top of concrete well floor, 1.00 ft above lsd. Highest water level 20.29 below lsd, Mar. 14, 1956; lowest 27.34 below lsd, Aug. 25, 1950. Records available: 1948-51, 1953-62.

May 15, 1953	24.36	Apr. 12, 1955	24.32	Aug. 8, 1956	25.12	Nov. 13, 1957	25.15
June 23	23.88	May 3	24.10	Sept. 12	24.79	Dec. 14	23.65
July 20	25.00	June 3	24.58	Oct. 11	25.19	Jan. 14, 1958	25.01
Sept. 21	25.46	July 15	25.26	Nov. 8	23.68	Feb. 10	23.61
Oct. 21	25.97	Aug. 17	21.83	Dec. 3	24.80	Mar. 17	24.49
Nov. 30	23.90	Sept. 12	24.09	Jan. 30, 1957	24.38	Apr. 10	22.95
Jan. 27, 1954	23.24	Oct. 10	23.40	Feb. 26	24.82	June 7	25.12
Mar. 5	22.00	Nov. 9	25.41	Mar. 29	24.68	July 1	25.04
May 5	21.16	Dec. 12	25.18	Apr. 25	24.66	Aug. 1	24.24
June 2	24.80	Jan. 10, 1956	26.87	May 20	25.06	27	24.35
Sept. 13	24.40	Feb. 14	21.65	June 19	25.36	Sept. 26	24.54
Nov. 10	24.20	Mar. 14	20.29	July 23	25.16	Oct. 30	23.89
Dec. 13	23.92	Apr. 11	22.18	Aug. 20	24.61	Nov. 24	25.12
Jan. 20, 1955	24.66	June 14	25.27	Sept. 18	24.13	Dec. 15	24.75
Mar. 10	22.84	July 17	25.48	Oct. 15	25.94	Jan. 14, 1959	25.99

Mg-2(J21a-0147)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11, 1959	23.94	Jan. 28, 1960	23.89	Feb. 7, 1961	23.47	Jan. 4, 1962	25.09
Mar. 11	23.80	Feb. 25	24.03	Mar. 1	23.06	Feb. 15	25.29
Apr. 22	24.21	Mar. 24	24.00	24	21.85	Mar. 9	23.65
May 7	24.68	Apr. 21	24.55	Apr. 19	23.04	Apr. 5	23.45
27	24.25	May 20	24.43	May 19	24.45	27	24.75
June 24	25.43	June 21	24.37	June 16	25.18	May 25	24.63
July 21	23.99	July 20	24.54	July 11	25.48	June 26	25.70
Aug. 19	24.60	Aug. 18	25.13	Aug. 11	25.74	July 25	25.70
Sept. 10	24.57	Sept. 16	23.01	Sept. 6	25.44	Aug. 22	25.50
Oct. 8	25.09	Oct. 13	25.23	Oct. 4	25.54	Sept. 21	25.19
Nov. 2	24.25	Nov. 10	24.48	26	24.94	Oct. 19	25.10
Dec. 1	24.24	Dec. 9	25.57	Nov. 17	25.07	Nov. 16	24.20
30	21.77	Jan. 6, 1961	23.55	Dec. 5	25.38	Dec. 12	24.23

Mg-44(J22d-1530). Pittsburgh Screw and Bolt Co. Near Conshohocken. Lat 40°06'08", long 75°18'59". Drilled unused artesian well in Stockton Formation, diam 6 in, dept 74 ft. Lsd about 100 ft above msl. MP top of recorder-shelter platform, 3.55 ft above lsd. Highest water level 32.08 below lsd, Dec. 16, 1953; lowest 62.68 below lsd, June 5, 1960. Records available: 1953-60. Measurement discontinued.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.05	41.60	39.85	.....	38.40	.....	45.87	47.55	.....	49.33	50.79	50.64
10	43.85	41.45	41.03	36.54	.....	44.03	45.73	.....	.....	50.49	51.45	51.65
15	43.95	42.30	.....	.....	.....	44.48	45.25	.....	.....	51.08	51.97	52.07
20	43.95	43.08	.....	.....	.....	44.89	46.00	46.42	.....	51.78	52.33	52.83
25	.....	43.28	.....	.....	.....	45.10	46.74	46.95	48.28	51.20	51.51	53.18
Eom	40.50	40.75	.....	.....	.....	45.51	47.27	47.18	48.80	51.25	51.45	53.38
1959												
5	52.00	.....	.....	50.68	.....	52.46	55.83	53.47	.....	.....	56.83	57.07
10	52.80	.....	.....	51.15	52.89	.....	.....	53.14	51.53	.....	54.76	55.98
15	53.25	53.19	51.35	50.51	52.89	.....	.....	.....	52.58	.....	55.41	54.43
20	53.63	.....	51.28	50.53	53.63	.....	.....	55.61	53.85	.....	56.44	55.11
25	52.75	.....	51.65	51.41	.....	55.13	52.43	56.17	.....	.....	56.63	56.13
Eom	53.37	.....	51.59	51.70	54.27	55.54	53.61	56.67	.....	.....	56.49	54.64
1960												
5	53.34	56.12	55.93	58.23	.....	62.68	.....	.....	.....	.....	.....	.....
10	.....	56.48	57.09	55.20	.....	62.58	.....	.....	.....	.....	.....	.....
15	.....	55.68	58.34	56.80	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	54.28	58.58	57.76	.....	.....	.....	.....	.....	.....	.....	.....
25	55.38	54.85	59.14	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	.....	54.68	59.48	.....	.....	.....	.....	.....	.....	.....	.....	.....

Mg-101(J21a-0458). Doehler-Jarvis Corp. Pottstown. Lat 40°14'30", long 75°38'45". Drilled unused artesian well in shale of Brunswick Formation of Triassic age, diam 8 in, depth 300 ft. Lsd 160 ft above msl. MP top of casing, 13.90 ft below lsd. Highest water level 35.33 below lsd, Apr. 10, 1958; lowest 68.43 below lsd, Oct. 21, 1953. Records available: 1953-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 13, 1953	59.61	July 15, 1955	55.05	May 21, 1957	54.14	Jan. 13, 1959	49.60
Apr. 15	48.09	Aug. 17	53.19	June 20	59.38	Feb. 12	55.25
May 15	58.64	Sept. 13	47.37	July 24	57.93	Mar. 11	51.57
June 23	54.34	Oct. 10	43.38	Aug. 20	57.17	Apr. 22	49.38
July 20	58.68	Nov. 9	43.31	Sept. 18	56.83	May 7	49.54
Sept. 21	65.32	Dec. 12	54.37	Oct. 16	57.03	27	51.68
Oct. 21	68.43	Jan. 10, 1956	54.12	Nov. 13	59.60	June 24	49.27
Nov. 30	57.65	Feb. 14	56.21	Dec. 14	58.49	July 21	50.94
Jan. 27, 1954	56.12	Mar. 14	49.49	Jan. 14, 1958	49.52	Aug. 19	50.70
Mar. 5	58.51	Apr. 11	42.29	Feb. 11	47.83	Sept. 10	52.04
May 5	45.52	July 17	60.78	Mar. 17	45.56	Oct. 8	51.88
June 4	44.70	Aug. 8	65.03	Apr. 10	35.33	Nov. 2	58.03
Sept. 13	51.10	Sept. 12	63.94	June 7	42.42	Dec. 1	58.29
Nov. 10	50.15	Oct. 11	64.80	July 1	46.15	30	44.93
Dec. 13	50.79	Nov. 8	61.60	Aug. 1	47.06	Jan. 28, 1960	46.93
Jan. 20, 1955	54.00	Dec. 3	58.42	27	48.69	Feb. 25	49.59
Mar. 10	52.77	Jan. 20, 1957	59.57	Sept. 26	53.05	Mar. 24	49.17
Apr. 12	49.50	Feb. 26	58.74	Oct. 30	51.83	Apr. 21	45.07
May 3	46.70	Mar. 29	55.63	Nov. 24	51.30	May 20	44.88
June 3	52.90	Apr. 25	51.95	Dec. 15	48.70	June 21	50.96

Mg-101(J21a-0458)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 20, 1960	45.70	Mar. 24, 1961	45.49	Oct. 26, 1961	65.18	May 25, 1962	61.31
Aug. 18	52.71	Apr. 19	46.69	Nov. 17	66.63	June 26	45.77
Sept. 16	55.07	May 19	47.28	Dec. 5	64.36	July 25	66.38
Oct. 13	47.75	June 16	57.42	Jan. 4, 1962	62.77	Aug. 22	62.70
Nov. 10	46.98	July 11	45.98	Feb. 15	64.65	Sept. 21	65.34
Dec. 9	56.50	Aug. 11	46.68	Mar. 9	58.17	Oct. 19	62.82
Jan. 6, 1961	55.15	Sept. 6	58.59	Apr. 5	52.42	Nov. 16	62.82
Feb. 7	55.24	Oct. 4	61.91	27	58.43	Dec. 13	67.62
Mar. 3	47.21						

Mg-127(J22b-2137). Sharp and Dohme, Inc. Upper Gwynedd Township, West Point. Lat 40°13'06", long 75°19'18". Drilled unused artesian well in shale of Brunswick Formation of Triassic age, diam 12 to 10 in, depth 300 ft. Lsd 351 ft above msl. MP edge of 4-in opening in well cap, 1.50 ft above lsd. Highest water level 49.40 below lsd, May 1, 2, 1957; lowest 108.01 below lsd, Oct. 2, 1962. Records available: 1956-62.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5
10
15	53.50	58.50	62.70	74.80	75.30
20	59.40	66.00	74.30	74.40
25	54.90	60.10	68.40	75.00	73.30
Eom	55.90	60.70	72.20	74.20	71.60

1957

5	69.40	.....	66.70	.....	53.40	58.50	71.90	78.20	81.80	.....	96.90	.....
10	67.40	.....	63.40	.....	59.00	58.90	71.00	79.90	83.90	.....	97.30	.....
15	66.00	.....	61.90	.....	62.00	62.80	71.10	80.40	85.20	.....	98.30	104.00
20	65.50	.....	59.70	.....	59.70	65.90	74.80	.....	87.90	96.70	.....	.....
25	67.10	.....	58.90	58.80	68.20	76.60	82.00	.....	.....	.....	.....	.....
Eom	69.50	64.70	57.60	49.70	57.80	70.20	76.70	81.40	.....	83.70	.....	.....

1958

5	.....	95.50	94.80	.....	79.22	82.30	86.55	87.94	87.02	85.80	98.01	93.60
10	.....	91.50	92.40	82.39	79.79	83.17	.....	89.69	.....	.....	.....	91.30
15	105.20	91.70	.....	80.58	80.14	84.38	.....	92.40	.....	.....	.....	93.30
20	105.50	93.40	.....	79.10	80.30	86.15	.....	93.47	.....	.....	94.84	94.20
25	102.30	93.70	.....	79.44	80.90	86.48	.....	90.83	.....	96.59	92.50	94.70
Eom	101.40	94.70	.....	79.05	81.62	86.82	.....	86.50	82.90	97.50	92.70	.....

1959

5	.....	.....	89.95	90.85	87.13	89.98	95.98	101.58	105.15	105.00	105.90	101.73
10	.....	.....	89.80	90.08	87.09	91.28	97.20	102.70	105.21	106.27	105.65	102.03
15	95.00	90.37	91.49	89.13	87.20	92.10	98.50	103.28	105.27	106.69	100.80	97.70
20	90.28	92.70	91.78	88.10	87.50	93.10	99.63	103.67	105.50	106.40	103.75	94.32
25	.....	93.61	91.83	87.60	87.98	93.98	99.51	104.39	105.87	106.55	103.48	95.35
Eom	.....	91.50	91.50	87.19	88.77	94.88	100.04	104.75	106.00	106.18	102.75	94.64

1960

5	92.15	84.79	72.36	.....	70.27	73.76	.....	76.30	82.25	82.62	81.20	73.99
10	91.05	83.90	70.38	.....	72.52	74.67	78.09	77.39	83.01	82.59	79.12	72.60
15	89.40	82.48	68.75	.....	73.58	74.00	78.40	78.92	83.10	82.97	77.29	71.50
20	87.80	79.81	70.28	71.58	74.19	74.20	78.16	80.25	83.50	83.49	77.70	70.70
25	86.63	77.07	72.09	70.09	74.10	.....	77.05	81.03	83.25	83.60	76.80	70.00
Eom	85.60	74.80	73.10	70.37	73.69	.....	75.44	81.20	82.72	82.89	75.32	69.20

1961

5	68.30	68.21	69.75	64.61	61.32	65.18	71.95	75.48	70.00	78.29	80.78	93.55
10	67.35	66.80	68.91	63.60	61.03	65.91	73.62	73.23	72.70	78.75	83.19	94.82
15	66.00	66.09	66.60	63.10	62.00	66.80	74.90	71.35	74.05	80.97	85.50	96.18
20	65.00	67.35	66.30	62.25	63.65	67.75	75.50	69.55	73.80	81.87	87.42	94.85
25	65.94	67.64	65.71	61.42	64.80	69.00	76.30	68.60	75.80	81.51	90.15	92.50
Eom	67.04	68.45	65.71	61.51	65.30	70.50	76.50	67.70	78.03	80.65	.....	89.60

1962

5	97.10	83.20	86.87	78.00	70.90	71.50	78.55	84.26	.....	107.18	.....	101.70
10	85.47	84.51	86.45	76.30	70.95	72.79	80.52	85.00	.....	106.10	.....	106.09
15	83.90	85.44	.....	74.45	70.85	73.50	82.35	.....	.....	105.07	104.94	.....
20	82.60	.....	.....	73.00	70.45	74.38	83.75	.....	105.25	.....	103.40	.....
25	81.40	.....	.....	72.10	70.50	75.45	84.07	.....	106.65	.....	100.00	.....
Eom	81.00	.....	.....	71.50	70.69	76.50	83.99	.....	107.80	.....	100.22	.....

Mg-133(J23d-2033). Bryn Mawr Hotel. Lower Merion Township. Montgomery and Morris Sts., NE, Bryn Mawr. Tenant: Baldwin School. Lat 40°01'18", long 75°18'40". Drilled unused artesian well in Wissahickon Formation of Precambrian age, diam 10 in, depth 254 ft. Lsd 380 ft above msl. MP top of casing, at lsd. Highest water level 13.89 below lsd, Mar. 24, 1961; lowest 24.50 below lsd, Dec. 13, 1954. Records available: 1954-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1954	19.95	Dec. 4, 1956	20.03	Feb. 11, 1959	19.39	Feb. 3, 1961	18.92
Mar. 5	20.31	Jan. 30, 1957	19.72	Mar. 11	19.53	28	17.31
May 5	19.80	Feb. 27	19.36	Apr. 22	18.54	Mar. 24	13.89
June 4	19.90	Apr. 25	18.26	May 7	18.32	Apr. 20	15.06
July 21	21.23	May 21	18.24	29	18.62	May 18	14.84
Sept. 13	22.20	June 20	18.92	June 24	18.70	June 15	15.85
Nov. 10	22.45	July 18	20.03	July 21	19.16	July 10	16.97
Dec. 13	24.50	Aug. 22	22.03	Aug. 19	19.50	Aug. 10	17.89
Jan. 20, 1955	21.74	Sept. 18	22.09	Sept. 10	19.59	Sept. 5	18.09
Mar. 10	20.77	Oct. 16	22.47	Oct. 8	19.91	Oct. 3	18.40
Apr. 12	20.74	Nov. 14	22.56	Nov. 2	19.89	25	16.74
May 3	19.40	Dec. 14	21.73	Dec. 2	19.78	Nov. 16	19.10
June 2	20.29	Jan. 14, 1958	20.43	29	19.18	Dec. 4	19.31
July 15	22.95	Feb. 11	19.45	Jan. 27, 1960	18.25	Jan. 3, 1962	19.44
Aug. 17	22.15	Mar. 17	18.34	Feb. 24	17.56	Feb. 1	19.28
Sept. 13	16.36	Apr. 9	15.96	Mar. 23	17.07	Mar. 5	18.58
Oct. 11	20.09	May 9	14.28	Apr. 20	16.24	Apr. 4	17.19
Nov. 10	21.03	June 7	14.94	May 19	16.70	26	16.14
Dec. 12	21.57	July 1	15.97	June 20	17.57	May 24	16.43
Feb. 15, 1956	22.85	Aug. 1	17.17	July 20	18.42	June 25	17.64
Mar. 15	20.12	28	19.34	Aug. 16	18.84	July 24	18.69
Apr. 12	18.30	Sept. 25	18.39	Sept. 15	18.21	Aug. 23	19.73
June 15	18.10	Oct. 23	21.93	Oct. 12	18.12	Sept. 20	20.34
July 11	18.75	Nov. 24	21.08	Nov. 9	18.41	Oct. 18	22.33
Sept. 13	19.99	Dec. 15	18.88	Dec. 8	16.76	Nov. 15	20.14
Oct. 11	21.49	Jan. 13, 1959	19.04	Jan. 5, 1961	18.60	Dec. 12	19.88
Nov. 9	19.96						

Mg-225(J22b-7812). Norristown State Hospital. Steiger St., West Norriton Township, Norristown. Lat 40°08'20", long 75°21'25". Drilled unused artesian well in sandstone of Stockton Formation of Triassic age, diam 12 in, depth 300 ft. Lsd 165 ft above msl. MP top of casing, 0.20 ft above lsd. Highest water level 22.05 below lsd, Apr. 9, 1958; lowest 56.20 below lsd, Nov. 12, 13, 1957. Records available: 1956-62.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	49.10	43.70	41.70
10	49.40	43.70	.....
15	47.10	44.50	.....
20	50.10	43.30	.....
25	49.40	43.50	.....
Eom	48.60	.....	44.20	.....

1957

5	.....	.....	33.90	.....	.....	.....	43.70	.....	52.70	54.10	55.90	55.30
10	.....	.....	33.30	.....	.....	.....	44.80	.....	53.20	54.50	56.10	53.00
15	.....	.....	31.80	.....	.....	40.20	45.70	.....	53.40	55.00	56.10	49.80
20	.....	.....	32.00	.....	.....	41.00	46.40	.....	53.50	55.30	55.80	49.10
25	.....	.....	33.30	.....	.....	41.60	47.20	51.50	53.60	55.60	55.40	45.60
Eom	38.20	32.60	33.90	.....	.....	42.50	48.10	52.10	53.70	55.90	55.40	41.90

1958

5	41.60	36.70	31.50	.....	25.41	28.68	35.99	41.97	43.31	45.37	45.55	43.37
10	41.70	35.80	31.50	22.12	23.80	29.53	37.05	42.70	42.00	45.70	45.70	43.98
15	41.90	35.90	31.70	22.80	24.60	30.75	37.50	43.50	43.96	46.11	46.13	44.34
20	42.00	36.20	30.70	23.79	25.61	32.18	38.62	43.30	44.12	.....	46.30	43.95
25	40.00	36.70	25.42	25.13	26.85	32.95	39.74	42.36	44.70	45.90	46.37	44.88
Eom	36.40	35.30	.....	25.22	27.55	34.17	40.99	42.52	45.40	45.71	42.52	45.65

1959

5	43.05	46.48	45.08	39.71	43.89	46.26	50.51	45.64	38.80	45.23	48.40	45.07
10	44.75	46.17	.....	39.10	44.67	47.23	51.03	44.71	36.34	.....	44.75	43.25
15	45.30	45.43	42.00	40.22	45.40	47.87	51.21	44.51	37.01	39.29	42.50	41.67
20	46.16	44.69	41.20	41.34	46.27	48.65	.....	44.70	38.32	43.23	40.75	36.25
25	46.10	44.62	41.25	42.30	47.11	49.35	46.65	45.22	41.10	45.55	42.00	37.47
Eom	46.54	44.69	41.22	43.00	41.38	49.89	46.07	43.05	43.05	.....	44.30	38.39

Mg-225(J22b-7812)--Continued.

1960												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	36.25	37.47	34.23	36.35	38.68	44.41	.....	48.35	46.50	32.05	41.40	44.19
10	37.10	34.29	31.98	31.01	36.92	43.24	.....	48.51	48.85	36.00	43.80	44.42
15	36.65	36.39	.....	33.30	39.62	45.71	.....	49.77	50.31	40.00	41.41	44.57
20	34.75	34.45	.....	36.15	.....	45.90	49.20	52.00	.....	40.51	41.58	44.65
25	33.58	33.35	31.49	34.45	.....	.....	52.21	51.70	.....	40.74	42.25	43.55
Eom	36.39	32.11	34.52	34.00	41.89	48.50	50.02	50.19	36.10	40.93	43.86	42.68
1961												
5	39.30	41.55	32.65	29.70	32.65	39.70	47.50	39.32	44.63	45.86	.....	51.11
10	38.35	45.50	30.90	31.92	35.00	40.00	48.60	42.40	43.50	46.55	.....	51.42
15	37.15	46.60	29.10	26.50	36.55	42.35	45.80	43.80	43.70	49.55	.....	51.41
20	37.88	42.60	28.00	26.10	34.00	44.40	43.92	41.75	44.10	50.79	50.65	50.10
25	38.82	36.35	26.60	26.98	37.35	42.75	42.95	40.80	46.20	51.59	50.75	49.48
Eom	40.20	33.22	27.09	29.01	36.32	45.90	39.50	42.50	45.45	.....	50.80	49.33
1962												
5	49.35	45.32	37.14	28.85	28.25	39.00	41.48	48.70	48.85	51.85	54.50	48.49
10	45.00	45.92	36.60	28.20	26.90	39.00	38.10	47.15	52.10	52.00	52.45	47.85
15	44.10	46.38	31.55	26.25	30.75	39.21	43.45	47.10	50.49	53.40	51.85	47.76
20	44.09	46.49	31.29	26.79	32.88	37.85	45.55	49.20	51.00	52.61	51.30	48.35
25	44.40	44.45	.....	27.55	30.49	39.55	42.50	46.80	51.35	52.59	49.00	48.40
Eom	44.93	38.75	30.72	28.75	34.50	41.00	46.18	48.53	51.49	53.37	48.79	48.75

Perry County

Pe-2(H15a-1461). Bertha Demaree. 29 North 3d St., Newport. Lat 40°28'40", long 77°08'00". Dug unused water-table well in shale and sandstone of Chemung Formation of Upper Devonian age, diam 36 in, depth 20 ft, cased with stone. Lsd 400 ft above msl. MP top of wooden cover, at lsd. Highest water level 7.52 (previously reported 7.18) below lsd, Apr. 27, 1940; lowest 18.53 (previously reported 18.19) below lsd, May 28, 1943. Records available: 1931-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1958	15.76	Oct. 5, 1958	15.62	July 5, 1959	13.26	Apr. 3, 1960	14.18
12	15.90	12	15.90	12	13.17	10	13.04
19	14.90	19	16.26	20	12.99	19	12.70
26	14.78	26	16.28	26	13.25	24	13.25
Feb. 2	14.70	Nov. 2	16.41	Aug. 2	13.70	May 1	13.36
9	14.72	9	16.40	10	13.66	8	13.49
15	14.66	16	16.45	16	15.14	15	13.13
23	14.40	23	16.51	23	15.49	22	12.79
Mar. 2	14.09	30	16.33	31	15.73	29	11.93
9	13.88	Dec. 7	16.37	Sept. 8	15.92	June 5	12.13
16	13.70	14	16.56	14	15.94	12	12.71
23	13.60	21	16.62	20	16.05	21	12.94
29	11.72	28	16.61	26	16.04	26	12.90
Apr. 6	11.60	Jan. 4, 1959	16.48	Oct. 5	16.07	July 4	15.30
13	11.42	11	16.69	11	16.23	10	13.74
20	11.70	18	16.62	19	16.30	17	14.90
27	11.78	25	16.30	24	16.20	24	14.20
May 4	11.84	Feb. 1	16.55	Nov. 1	16.27	31	14.42
11	11.55	8	16.56	11	16.45	Aug. 7	14.63
18	10.76	15	16.58	15	16.41	14	14.72
25	11.77	22	16.28	22	16.46	21	14.94
June 1	11.84	Mar. 1	16.45	29	16.34	28	15.15
8	12.05	8	16.22	Dec. 8	16.38	Sept. 5	15.29
15	13.38	15	16.00	13	16.01	11	15.20
22	13.90	22	15.98	20	16.00	18	15.22
29	13.99	29	15.58	27	16.05	25	15.40
July 6	14.28	Apr. 5	14.62	Jan. 3, 1960	15.71	Oct. 2	15.56
13	14.47	12	14.80	10	15.71	9	15.64
20	14.56	20	14.27	17	15.55	14	15.76
27	14.63	26	14.48	24	15.52	22	15.87
Aug. 3	14.91	May 3	12.60	31	15.51	30	16.00
10	15.06	10	13.89	Feb. 7	15.49	Nov. 6	16.00
17	15.25	17	13.99	14	15.29	13	15.90
24	15.29	24	14.26	21	14.88	20	16.25
31	15.44	31	14.27	28	14.94	27	16.35
Sept. 7	15.16	June 8	14.29	Mar. 6	14.72	Dec. 4	16.41
14	15.20	15	14.10	13	14.67	11	16.56
21	14.91	23	13.90	20	14.40	18	16.61
28	15.05	30	13.20	27	14.47	26	16.30

Pe-2(H15a-1461)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 31, 1960	16.32	July 4, 1961	14.87	Jan. 6, 1962	15.81	July 1, 1962	15.65
Jan. 2, 1961	16.32	8	15.00	14	15.87	15	15.75
7	16.30	16	15.13	21	15.76	22	15.75
15	16.24	25	15.16	28	15.70	29	15.95
21	16.05	30	15.19	Feb. 3	15.86	Aug. 5	16.05
28	16.32	Aug. 6	15.11	11	15.84	12	15.91
Feb. 5	16.54	13	15.01	17	15.51	19	16.05
12	15.95	20	15.29	25	14.88	26	15.95
19	15.49	27	15.29	Mar. 4	15.29	Sept. 2	15.35
26	15.19	Sept. 4	15.42	11	14.21	9	15.80
Mar. 5	14.65	10	15.55	18	14.68	16	15.91
12	13.95	17	15.67	25	14.17	22	15.97
19	13.55	24	15.77	Apr. 1	13.62	30	15.20
26	13.29	Oct. 1	15.88	8	13.10	Oct. 7	14.80
Apr. 2	13.01	8	15.99	15	12.13	14	15.60
9	13.44	15	16.00	22	12.88	21	15.95
17	10.59	23	16.17	29	13.50	27	15.40
23	11.14	28	16.24	May 6	13.75	Nov. 4	14.42
30	11.90	Nov. 5	16.40	13	14.11	11	14.04
May 7	12.75	12	16.39	20	14.35	18	14.66
16	12.88	19	16.37	27	14.60	25	14.64
22	13.15	26	16.22	June 3	14.85	Dec. 2	14.92
27	13.56	Dec. 5	16.50	11	14.98	9	14.07
June 4	13.90	10	16.60	18	15.10	16	14.19
11	14.05	17	16.33	25	15.50	23	14.53
18	14.45	23	15.90	July 1	15.55	30	14.79
25	14.51	30	15.66				

Philadelphia County

Ph-12(K23a-7241). U. S. Naval Base. Barracks and East 4th St. NW., Philadelphia. Lat 39°53'40", long 75°10'20". Drilled observation artesian well in sand of Raritan Formation ("middle aquifer"), diam 8 in, depth 110 ft, cased to 94, screened 94-104. Lsd 10.00 ft above msl. MP top of casing, 1.80 ft above lsd. Highest water level 23.24 below lsd, June 1, 1953 (previously reported 23.9 below lsd, May 31, 1953); lowest 39.60 below lsd, July 20, 1955. Records available: 1944-62. Affected by pumping of well 1, 100 ft distant. Mean daily fluctuation caused by tidal loading, 0.20 ft.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.30	.....	32.45	31.35	30.43	31.55	31.80	31.61	32.04	30.92	31.11	31.07
10	31.79	.....	31.60	31.96	30.25	31.52	32.62	31.53	32.10	31.06	30.60	31.60
15	31.84	32.70	31.60	31.50	31.03	.....	31.35	.....	31.34	31.29	31.88	31.08
20	32.18	33.20	.....	30.36	30.62	30.80	.....	.....	31.44	31.11	32.40	31.30
25	32.10	33.25	.....	31.27	29.73	.....	.....	31.82	31.51	31.02	32.74	30.89
Eom	.....	32.38	31.30	31.39	30.30	.....	.....	31.20	31.40	31.40	32.49	31.13

1959

5	30.88	.....	31.35	30.15	30.75	31.95	31.65	30.16	30.40	29.28	29.50	29.24
10	31.20	.....	30.92	30.54	30.20	31.37	31.68	30.00	30.24	29.25	29.46	29.96
15	.....	31.04	30.62	29.88	30.35	31.23	31.41	30.38	29.60	29.41	29.19	30.26
20	.....	31.43	30.92	29.95	31.13	30.94	30.80	30.73	29.85	29.15	29.52	30.35
25	.....	31.10	30.68	30.39	31.39	31.55	30.85	30.30	30.00	28.45	29.20	30.17
Eom	.....	31.19	30.30	30.25	30.59	31.50	30.35	30.35	29.79	29.80	29.18	30.12

1960

5	29.92	30.92	29.78	28.91	29.37	29.41	30.33	32.10	30.80	32.32	32.52	31.65
10	29.60	30.15	29.73	29.40	28.74	30.35	28.90	31.99	32.08	32.11	31.52	31.15
15	29.72	30.45	29.90	29.76	29.03	29.53	30.94	32.00	32.20	31.30	31.80	30.76
20	30.02	30.16	29.29	30.15	29.49	29.50	31.60	31.30	31.40	31.40	30.80	32.20
25	29.85	30.16	30.16	29.22	29.51	29.89	32.00	32.55	31.48	31.50	30.60	31.30
Eom	29.81	30.40	29.44	29.40	29.40	30.51	30.69	32.45	32.10	31.50	30.60	30.93

1961

5	32.03	32.60	30.90	31.30	31.10	29.40	29.82	30.30	30.90	32.05	29.85	31.12
10	32.10	32.25	32.05	31.85	30.70	29.29	30.17	31.44	30.65	30.75	30.75	30.65
15	31.54	32.50	31.60	31.41	30.04	30.05	30.35	31.20	31.62	29.90	31.37	31.60
20	31.83	32.60	32.02	30.99	29.41	29.48	30.62	30.40	31.20	29.65	30.20	31.05
25	32.50	32.95	31.50	30.61	30.71	29.00	30.40	31.28	31.50	29.99	30.10	29.75
Eom	32.58	32.08	31.91	30.40	29.45	29.59	30.40	31.60	31.30	30.03	31.53	30.00

Ph-12(K23a-7241)--Continued.

1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.65	30.00	30.82	30.80	29.80	30.61	30.20	29.90	29.75	29.75	30.41	30.55
10	31.51	29.43	31.51	30.32	29.88	30.45	31.02	30.80	29.40	29.40	.....	30.63
15	30.60	32.00	31.90	29.61	29.75	30.00	30.31	30.70	29.00	29.41	30.69	31.67
20	31.27	32.27	31.45	29.83	29.51	31.20	30.55	30.30	29.80	29.47	30.05	32.30
25	31.62	31.30	30.40	30.58	30.58	30.30	30.63	30.55	29.48	29.55	29.85	31.45
Eom	31.57	31.89	30.50	29.75	30.55	30.40	30.80	30.30	28.80	29.55	30.41	30.40

Ph-20(K23a-7737). U. S. Naval Base. Phillip and West 3d Sts. NE., Philadelphia. Lat 39°53'10", long 75°10'40". Drilled observation artesian well in sand of Raritan Formation ("lower aquifer"), diam 8 in, depth 266 ft (19 ft into rock) (previously reported depth 269 ft), cased to 238, screened 238-243. Lsd 13 ft above msl. MP top of casing, 3.20 ft above lsd. Highest water level 31.37 (previously reported 28.17) below lsd, Nov. 25, 1950; lowest 63.70 below lsd, July 29, 1955. Records available: 1946-62. Mean daily fluctuation caused by tidal loading, 1.7 ft.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	45.86	58.01	53.35	.....	.....	55.74	54.48	54.91	55.78	52.05	52.59	49.20
10	51.70	54.44	53.64	55.10	50.38	54.24	58.10	.....	55.75	53.68	51.20	49.95
15	55.63	52.70	.....	52.97	51.49	46.26	55.84	.....	54.55	54.44	53.73	49.57
20	53.60	56.27	.....	43.90	53.13	55.57	53.80	.....	55.54	52.62	55.40	51.10
25	52.30	57.98	.....	48.07	46.06	56.52	55.66	.....	54.90	53.60	52.45	47.29
Eom	55.85	54.95	.....	.....	47.21	55.47	55.98	51.20	53.94	55.59	50.39	49.48

1959

5	49.25	51.60	53.28	53.32	51.80	54.98	54.94	49.50	49.44	46.65	47.40	46.30
10	54.01	52.69	52.78	49.21	50.14	55.03	55.52	48.80	50.06	47.28	46.79	50.99
15	53.62	52.01	51.20	49.69	51.66	52.81	51.78	50.25	47.75	47.38	45.90	51.35
20	54.48	53.87	51.67	51.29	53.40	52.90	.....	51.78	46.91	45.95	47.25	50.85
25	48.78	49.51	51.25	51.81	53.14	54.83	52.45	49.25	49.58	45.62	46.84	49.59
Eom	48.88	52.25	54.46	52.25	52.60	55.21	49.70	50.17	49.02	47.10	45.66	51.01

1960

5	50.68	52.38	49.80	48.10	47.48	50.13	51.19	57.40	53.09	56.70	56.59	53.58
10	48.60	52.47	49.90	46.31	47.13	52.29	44.00	57.18	56.75	55.70	54.40	54.35
15	51.05	50.47	50.38	50.90	47.20	50.50	52.70	55.65	54.80	53.91	54.40	53.31
20	51.25	51.20	49.36	51.15	48.70	49.00	57.65	55.29	54.50	55.50	51.85	.....
25	49.10	50.50	51.31	49.10	50.24	51.39	56.81	57.59	51.91	55.00	51.81	52.21
Eom	48.38	50.37	49.75	47.10	50.42	52.50	53.25	57.81	56.68	53.45	53.00	52.37

1961

5	54.75	54.00	50.71	51.40	50.05	49.90	51.50	51.95	52.95	56.05	47.20	52.85
10	54.40	54.89	55.89	50.58	51.25	50.30	53.40	54.40	52.10	52.37	51.28	51.20
15	54.30	55.51	53.27	51.60	49.20	52.31	52.75	53.70	55.50	49.07	53.08	53.20
20	53.21	43.60	52.17	51.99	49.00	47.88	55.02	51.05	55.02	52.07	50.50	52.82
25	53.21	52.78	51.58	51.50	50.91	49.50	54.50	52.85	54.40	51.07	49.59	48.42
Eom	54.50	52.62	54.09	49.15	50.20	51.50	54.00	54.82	53.97	51.37	53.15	49.97

1962

5	53.85	50.83	53.15	51.50	49.00	51.90	52.21	42.70	49.80	51.85	51.65	52.70
10	54.50	44.92	53.30	51.10	48.05	50.49	53.70	52.35	48.61	51.37	49.25	50.12
15	53.90	55.84	54.65	48.70	48.99	50.01	49.50	52.75	46.87	49.10	52.35	52.75
20	53.02	56.93	52.97	48.40	49.15	54.40	51.90	50.30	49.70	49.57	51.45	.....
25	54.55	54.50	50.90	50.40	51.30	51.30	52.00	51.75	47.80	49.07	47.35	.....
Eom	55.51	59.35	52.11	49.77	51.12	52.22	49.95	51.35	44.55	50.48	53.10	.....

Schuylkill County

Sc-1(G18c-5864). Nick C. Donofrio. Pine Grove. Lat 40°32'30", long 76°22'40". Dug unused (previously reported domestic) water-table well in shale of Portage Formation, diam 52 in (previously reported 36 in), depth 33 ft (previously reported 31 ft), cased with stone. Lsd 560 ft above msl. MP top of wooden cover, at lsd. Highest water level 3.56 (previously reported 4.14) below lsd, Aug. 31, 1940; lowest dry at 31.78 below lsd, Nov. 5, 1944. Records available: 1931-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	14.15	Feb. 15, 1958	15.90	Mar. 29, 1958	11.00	May 10, 1958	13.00
11	15.07	22	15.00	Apr. 4	10.20	17	15.66
18	14.00	Mar. 1	14.40	12	14.28	24	16.70
25	12.18	8	14.17	19	15.70	31	17.90
Feb. 1	12.00	15	15.00	26	15.90	June 7	19.00
8	15.30	22	13.20	May 3	13.47	14	19.70

Sc-1(G18c-5864)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 21, 1958	20.20	Aug. 15, 1959	22.30	Oct. 1, 1960	16.68	Nov. 18, 1961	24.00
28	21.00	22	24.00	8	17.20	25	22.30
July 5	20.90	29	23.47	15	18.55	Dec. 2	20.17
12	20.10	Sept. 5	14.37	22	19.18	9	20.00
19	20.27	12	18.18	29	20.66	16	19.17
26	20.80	19	18.60	Nov. 8	19.20	23	15.70
Aug. 2	21.00	26	19.68	12	19.50	30	15.20
9	20.99	Oct. 3	18.15	19	20.00	Jan. 6, 1962	11.17
16	20.80	10	16.46	25	19.40	16	14.37
23	21.50	17	17.68	Dec. 3	19.06	20	13.20
30	22.20	24	13.66	10	18.30	27	13.50
Sept. 6	22.36	31	15.17	17	18.36	Feb. 3	15.80
13	23.80	Nov. 7	15.58	24	19.06	10	17.69
20	23.37	14	16.00	31	18.66	17	17.00
27	23.00	21	14.90	Jan. 7, 1961	14.90	24	9.50
Oct. 4	20.80	28	11.80	14	13.40	Mar. 3	14.20
11	20.30	Dec. 5	13.00	21	15.00	10	13.00
18	20.40	12	13.46	28	15.30	17	14.38
25	19.50	19	13.90	Feb. 4	15.59	24	14.80
Nov. 1	17.70	26	14.16	11	16.90	31	15.00
8	14.20	Jan. 2, 1960	14.00	18	12.00	Apr. 7	14.17
15	15.27	9	14.90	25	13.18	14	10.68
22	16.00	16	15.86	Mar. 4	12.70	21	15.07
29	12.90	23	16.20	11	12.50	28	17.00
Dec. 6	12.60	30	16.50	18	14.17	May 5	15.00
13	13.70	Feb. 6	16.70	25	14.00	12	18.00
20	16.70	13	13.00	Apr. 1	13.47	19	18.60
27	17.60	20	13.80	8	12.28	26	19.20
Jan. 3, 1959	16.97	27	14.00	15	11.70	June 1	20.40
10	18.17	Mar. 5	15.18	22	11.27	9	21.20
17	18.80	12	14.70	29	14.17	16	20.20
24	14.60	19	14.60	May 6	15.00	23	20.07
31	16.16	26	17.37	13	15.75	30	22.20
Feb. 7	17.70	Apr. 2	12.00	20	16.00	July 7	22.57
14	14.68	9	12.15	27	17.00	14	22.90
21	15.18	16	15.18	June 3	18.60	21	23.70
28	17.60	23	16.70	10	17.90	28	24.20
Mar. 7	14.57	30	18.00	17	19.66	Aug. 4	24.76
14	13.00	May 7	16.70	24	17.87	11	24.00
21	13.66	14	15.00	July 1	18.28	18	24.37
28	14.80	21	14.37	6	19.89	25	24.40
Apr. 4	13.17	28	13.57	8	20.00	Sept. 1	24.07
11	14.18	June 4	17.00	15	17.70	8	24.00
18	14.00	11	16.17	22	14.70	15	24.17
25	14.15	18	17.80	Aug. 4	12.17	22	23.68
May 2	15.00	25	18.08	12	16.68	29	22.80
9	17.80	July 2	18.60	19	17.98	Oct. 6	14.37
16	17.20	9	19.37	26	12.17	13	15.20
23	18.30	16	18.18	Sept. 2	15.70	20	16.90
30	18.77	23	19.80	9	17.77	27	17.18
June 6	15.00	30	21.00	16	19.27	Nov. 3	15.58
13	16.60	Aug. 6	20.57	23	20.70	10	14.00
20	19.00	13	22.18	30	24.18	17	13.60
27	19.57	20	23.46	Oct. 7	21.70	24	12.20
July 4	20.60	27	24.00	14	22.20	Dec. 1	15.10
11	21.00	Sept. 3	22.70	20	23.20	8	13.10
18	21.60	10	22.00	28	24.00	15	15.17
25	22.10	17	13.47	Nov. 4	24.16	22	17.07
Aug. 1	23.60	24	15.18	11	23.37	29	18.10
8	22.57						

Sc-4(G19a-7963). Paul Fritz. Adamsdale. Lat 40°38'00", long 76°07'40". Dug unused water-table well in shale of Portage Group or Hamilton Formation of Middle Devonian age, diam 5 ft, depth 19 ft. Lsd about 500 ft above msl. MP top of board, at lsd. Highest water level 2.07 below lsd, Oct. 9, 1950; lowest 13.40 below lsd, Apr. 15, 1955. Records available: 1948-61. Measurement discontinued.

Jan. 20, 1958	3.88	Oct. 25, 1958	5.98	Jan. 15, 1959	5.22	Apr. 16, 1959	3.54
Feb. 4	4.13	Nov. 26	5.84	Feb. 12	3.90	May 8	4.72
Sept. 27	7.98	Dec. 17	5.93	Mar. 16	3.90	28	4.13

Sc-4(G19a-7963)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 25, 1959	6.09	Dec. 30, 1959	3.47	Aug. 18, 1960	4.87	Apr. 21, 1961	2.98
July 22	7.36	Jan. 28, 1960	4.35	Sept. 16	4.03	May 19	4.10
Aug. 20	8.59	Feb. 25	3.72	Oct. 13	5.06	June 16	4.58
Sept. 11	8.94	Mar. 24	4.29	Nov. 10	5.98	July 11	5.04
Oct. 9	5.24	May 20	4.28	Dec. 9	5.38	Aug. 10	5.97
Nov. 3	4.29	June 21	5.42	Mar. 1, 1961	3.62	Sept. 6	5.24
Dec. 3	3.49	July 20	4.69	24	3.53		

Sc-5(G19d-1216). George Mengle. Near Auburn. Lat 40°36'20", long 73°05'30". Dug unused water-table well in Marcellus Shale of Middle Devonian age, diam 36 in, depth 34 ft. Lsd 490 ft above msl. MP top of capped pipe, 0.60 ft above lsd. Highest water level 23.48 below lsd, Feb. 4, 1952; lowest 29.54 below lsd, Nov. 22, 1954. Records available: 1948-62.

Jan. 20, 1958	26.96	Sept. 11, 1959	28.65	Nov. 10, 1960	27.88	Dec. 5, 1961	28.51
Feb. 5	26.64	Oct. 9	28.94	Dec. 9	25.67	Jan. 4, 1962	28.05
Sept. 27	28.31	Nov. 3	28.24	Jan. 6, 1961	28.65	Feb. 2	27.24
Oct. 25	28.29	Dec. 3	27.17	Feb. 3	28.44	Mar. 6	27.21
Nov. 26	27.22	30	25.39	Mar. 1	25.73	Apr. 5	26.45
Dec. 17	26.72	Jan. 28, 1960	25.41	24	24.82	27	25.62
Jan. 15, 1959	27.01	Feb. 25	24.88	Apr. 21	24.88	May 25	26.66
Feb. 12	27.36	Mar. 24	25.41	May 19	25.14	June 26	28.20
Mar. 16	26.98	Apr. 21	24.85	June 16	26.21	July 25	28.28
Apr. 16	26.39	May 20	26.02	July 11	27.26	Aug. 24	27.82
May 8	25.91	June 21	26.24	Aug. 11	27.48	Sept. 21	28.87
28	26.53	July 20	27.09	Sept. 6	27.32	Oct. 19	27.02
June 25	26.08	Aug. 18	27.78	Oct. 4	27.78	Nov. 16	25.84
July 22	27.93	Sept. 16	28.20	Nov. 17	28.64	Dec. 13	25.33
Aug. 20	28.73	Oct. 13	27.33				

Somerset County

So-2(J7c-8404). Commonwealth of Pennsylvania. Laurel Hill State Park (previously reported Recreational Area). Bakersville. Lat 40°00'00", long 79°14'20". Drilled unused artesian well in sandstone of Pottsville Group (previously reported Formation) of Lower to Middle Pennsylvanian age, diam 4 to 6 in, depth 450 ft, cased to 310 (previously reported 311). Lsd 2,037 ft (previously reported 2,040 ft) above msl. MP top of casing, 3.00 ft above lsd. Highest water level 29.35 below lsd, May 3, 1948; lowest 35.97 below lsd, Aug. 21, 1937. Records available: 1937-62.

Jan. 28, 1958	31.10	Aug. 3, 1959	31.17	July 1, 1960	30.90	June 19, 1961	30.03
Apr. 16	30.88	10	31.15	8	31.00	28	30.23
22	30.80	17	31.38	15	30.95	July 6	30.27
June 12	30.40	24	31.37	22	31.02	11	30.43
17	30.55	Sept. 1	31.53	29	30.83	28	33.59
July 9	30.85	15	32.15	Aug. 5	31.06	Aug. 18	30.75
Aug. 28	31.07	23	32.34	12	31.09	29	30.82
Oct. 15	31.60	28	32.45	19	31.18	Sept. 8	31.03
31	31.59	Oct. 5	32.45	26	31.29	13	31.06
Nov. 7	31.58	13	32.56	Sept. 2	31.32	21	31.26
14	31.54	19	32.64	9	31.39	29	31.41
20	31.52	26	32.52	16	31.43	Oct. 6	31.50
Mar. 16, 1959	30.46	Nov. 2	32.38	23	31.37	10	31.59
23	30.25	16	32.48	Oct. 3	31.46	18	34.64
30	30.15	Dec. 9	32.05	13	31.60	Nov. 1	31.74
Apr. 6	30.10	16	32.00	Nov. 10	31.67	10	32.36
13	30.10	21	31.85	14	31.68	21	32.25
21	30.35	Mar. 18, 1960	29.93	Jan. 6, 1961	31.43	Dec. 15	31.57
May 4	29.85	24	30.92	13	31.45	19	31.29
13	30.88	31	30.73	Feb. 17	31.35	Jan. 2, 1962	30.00
18	29.95	Apr. 7	30.90	21	30.99	23	30.80
26	32.38	14	31.00	28	30.95	Feb. 1	30.92
June 1	29.93	22	30.95	Mar. 17	30.71	19	31.31
8	30.04	May 2	30.95	22	30.53	Mar. 2	30.71
17	33.20	13	30.85	Apr. 12	30.24	15	30.50
22	30.25	20	30.95	17	30.10	27	30.53
29	30.40	27	30.90	26	29.88	Apr. 19	30.30
July 6	30.50	June 3	30.80	May 5	30.07	May 11	30.53
13	30.85	10	30.92	15	31.97	22	30.77
21	30.90	17	30.88	23	29.92	June 1	30.81
28	30.65	24	30.83	June 6	29.90	8	30.92

So-2(J7c-8404)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 26, 1962	31.25	Aug. 15, 1962	32.06	Oct. 9, 1962	32.28	Nov. 23, 1962	32.09
July 7	31.40	24	32.30	19	32.35	Dec. 6	32.00
17	31.65	Sept. 5	32.20	26	32.51	13	31.85
23	31.70	12	32.40	Nov. 2	32.20	20	31.73
Aug. 1	31.85	20	32.45	9	32.46	27	31.61
8	31.85	Oct. 4	32.34	16	32.11		

Sullivan County

Su-1(C17d-8117). Carl D. Molyneux. Near Forksville. Lat 41°30'20", long 76°35'20". Dug unused water-table well in sand and gravel of Pleistocene age, diam 4 ft, depth 28 ft, cased with stone. Lsd 1,080 ft (previously reported 1,280 ft) above msl. MP top of wooden cover, at lsd. Highest water level 18.11 below lsd, Dec. 2, 1950; lowest dry, many times 1935-62. Records available: 1935-62.

Jan. 4, 1958	22.86	Jan. 10, 1959	26.74	Jan. 30, 1960	25.15	Feb. 21, 1961	22.64
11	23.74	17	25.85	Feb. 6	24.83	Mar. 4	21.22
18	24.11	24	23.68	13	23.72	11	23.54
25	24.57	30	24.54	Mar. 1	24.22	18	23.76
Feb. 1	25.09	Feb. 7	25.11	5	24.49	25	24.18
8	25.64	14	24.32	12	25.11	Apr. 1	24.28
15	25.92	21	25.13	19	25.23	8	24.76
22	26.16	28	24.57	26	25.28	15	23.45
Mar. 1	21.37	Mar. 7	23.84	Apr. 2	19.88	22	23.22
8	21.83	14	24.28	9	22.58	29	23.54
15	22.14	21	23.75	16	24.13	May 6	24.12
22	22.68	28	24.19	23	24.92	13	24.58
29	20.88	Apr. 4	21.24	30	25.53	20	24.92
Apr. 5	20.92	11	21.82	May 7	25.89	27	25.28
12	23.06	18	22.76	14	21.77	June 3	25.64
19	24.33	25	24.69	21	23.92	10	25.46
26	24.74	May 2	23.47	28	23.82	17	25.92
May 3	25.13	9	24.86	June 4	22.39	24	26.14
7	23.64	16	25.39	11	23.66	July 1	25.27
10	22.66	23	25.92	18	24.07	6	26.94
17	23.79	30	26.45	25	24.55	8	26.90
24	25.24	June 6	26.38	July 2	24.92	15	(f)
31	25.15	13	26.44	9	25.54	22	(f)
June 7	26.27	20	26.47	16	25.68	29	(f)
14	26.21	27	26.36	30	25.92	Aug. 5	(f)
21	26.24	July 4	26.42	Aug. 6	24.96	12	(f)
28	25.45	11	(f)	13	24.88	19	(f)
July 5	(f)	18	(f)	20	24.14	26	24.58
12	26.82	25	(f)	27	24.86	Sept. 2	25.79
19	26.95	Aug. 1	(f)	Sept. 3	25.08	9	(f)
26	(f)	8	(f)	10	25.15	16	(f)
Aug. 1	26.26	15	(f)	17	22.27	23	(f)
8	26.64	22	(f)	24	23.74	27	(f)
16	26.92	29	(f)	Oct. 1	23.92	30	(f)
23	27.25	Sept. 5	26.85	8	24.86	Oct. 14	(f)
30	27.13	14	(f)	15	25.68	23	(f)
Sept. 6	27.21	21	(f)	22	25.92	27	(f)
13	26.68	26	(f)	29	25.32	Nov. 4	(f)
20	26.53	Oct. 3	24.34	Nov. 5	25.28	11	(f)
27	26.70	10	23.72	12	26.44	18	(f)
Oct. 4	25.36	17	24.29	19	26.88	25	(f)
11	25.79	24	24.08	26	26.92	Dec. 2	(f)
18	26.42	31	24.46	Dec. 3	26.85	9	(f)
25	25.44	Nov. 7	22.72	10	26.96	16	(f)
Nov. 1	24.57	14	23.57	17	26.96	23	25.33
8	24.68	21	24.78	24	26.88	30	26.46
15	24.76	28	23.24	31	26.85	Jan. 6, 1962	26.38
22	24.89	Dec. 5	24.32	Jan. 7, 1961	26.80	13	24.77
29	24.13	12	24.68	14	26.75	20	24.13
Dec. 6	23.83	19	24.92	21	26.86	27	23.57
13	24.58	Jan. 2, 1960	23.18	28	26.94	Feb. 3	24.28
20	25.19	9	23.79	Feb. 4	26.96	10	25.09
27	25.88	16	24.24	11	26.92	17	26.34
Jan. 3, 1959	25.76	23	24.66	18	25.86	24	26.38

Su-1(C17d-8117)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3, 1962	26.05	May 19, 1962	26.72	Aug. 4, 1962	(f)	Oct. 20, 1962	26.41
10	25.14		26.55	11	(f)	27	26.46
17	23.28	June 2	26.78	18	(f)	Nov. 3	26.27
24	23.65	9	(f)	25	(f)	10	23.36
31	23.12	16	(f)	Sept. 1	(f)	17	23.80
Apr. 7	22.64	23	(f)	8	(f)	24	24.68
14	23.38	30	(f)	15	(f)	Dec. 1	25.92
21	24.86	July 7	(f)	20	(f)	8	24.14
28	25.68	14	(f)	29	(f)	15	24.76
May 5	25.92	21	(f)	Oct. 6	24.18	22	25.70
12	26.26	28	(f)	13	25.82	29	26.02

f Dry.

Susquehanna County

Sq-1(B20c-2461). Carlton farm. Montrose. Lat 41°50'20", long 75°52'50". Dug unused water-table well in drift of Pleistocene age, diam 4 ft (previously reported 36 in), diam 38 ft, cased with stone. Lsd 1,690 ft (previously reported about 1,685 ft) above msl. MP top of brass plate in 3-in hole, 1.10 ft above lsd. Highest water level 0.70 below lsd, Mar. 18, 1936; lowest 11.40 below lsd, Dec. 29, 1961. Records available: 1930-62.

Jan. 6, 1958	5.28	Feb. 4, 1959	6.56	Jan. 14, 1960	4.96	Jan. 16, 1961	8.90
13	5.70	10	6.80	22	6.17	24	8.90
20	6.56	17	7.69	Feb. 5	7.17	31	8.90
27	6.16	24	8.26	Mar. 3	6.37	Feb. 10	8.90
Feb. 3	6.90	Mar. 3	7.96	9	6.65	15	8.90
10	6.66	11	7.42	14	6.75	23	5.69
17	6.50	16	7.26	31	1.73	27	1.72
24	5.23	24	7.12	Apr. 4	.90	Mar. 7	1.65
Mar. 4	4.32	30	7.26	12	3.90	14	4.50
10	4.90	Apr. 8	5.37	22	5.05	21	2.80
31	2.50	13	5.00	27	5.00	27	3.07
Apr. 8	1.92	20	4.50	May 3	5.94	Apr. 3	2.65
14	4.55	29	3.54	10	6.17	11	3.00
23	3.90	May 5	3.00	19	5.69	20	3.16
30	4.43	12	5.24	25	4.85	27	3.40
May 6	4.55	19	7.00	June 1	4.39	May 4	3.70
15	4.25	26	7.90	10	7.42	12	3.95
20	4.90	June 2	8.90	15	1.90	19	5.34
June 4	7.88	9	8.12	22	3.82	26	7.55
10	7.90	16	8.03	29	3.56	June 3	8.65
18	7.65	23	8.18	July 5	5.65	6	10.60
July 3	8.26	30	8.03	14	5.97	16	9.68
11	6.9	July 7	7.50	19	6.62	23	8.75
15	5.9	15	6.62	28	7.28	30	8.95
23	5.9	21	6.32	Aug. 2	7.47	July 7	9.05
29	5.72	28	6.40	9	7.45	14	9.32
Aug. 6	5.34	Aug. 5	6.33	16	7.42	21	9.00
12	5.9	12	6.14	23	7.60	29	9.13
19	6.65	19	6.06	30	7.80	Aug. 4	9.43
Sept. 23	6.90	27	6.08	Sept. 6	7.82	11	9.02
30	6.01	Sept. 2	6.00	13	7.90	18	9.01
Oct. 6	5.9	9	6.16	20	4.46	26	9.16
13	6.51	16	6.47	27	4.70	Sept. 1	8.95
20	7.70	23	6.80	Oct. 5	4.97	8	9.15
28	7.70	29	6.96	12	5.26	16	9.10
Nov. 4	6.54	Oct. 6	6.00	19	5.10	23	9.10
10	6.80	14	5.26	26	6.30	Dec. 11	8.40
18	6.92	21	5.28	30	6.30	16	8.30
25	6.21	28	4.97	Nov. 2	6.71	23	8.00
Dec. 1	6.42	Nov. 5	4.26	9	6.90	29	11.40
7	6.70	12	3.49	16	7.30	Jan. 6, 1962	11.00
15	7.14	19	3.37	24	7.69	14	9.08
22	7.69	26	3.22	30	7.90	19	8.50
29	8.90	Dec. 3	3.80	Dec. 8	7.96	26	7.30
Jan. 5, 1959	8.36	11	3.90	21	8.17	Feb. 2	7.25
13	8.62	18	3.54	29	8.50	9	6.78
19	8.36	23	3.54	Jan. 4, 1961	8.82	16	7.10
28	5.69	30	3.55	10	8.84	23	7.50

Sq-1(B20c-2461)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3, 1962	8.00	May 11, 1962	7.80	July 21, 1962	8.80	Nov. 3, 1962	7.00
10	8.80	18	7.55	28	8.80	10	5.00
16	7.50	25	7.80	Aug. 18	9.20	18	3.80
23	6.15	June 2	8.00	Sept. 8	9.45	24	3.75
30	4.75	9	8.20	15	9.80	Dec. 1	4.15
Apr. 7	3.35	16	8.40	22	9.30	8	4.40
13	3.35	23	8.50	Oct. 5	9.35	15	5.10
20	3.35	30	8.60	12	7.70	22	5.15
28	3.95	July 6	8.65	21	7.15	29	5.90
May 4	9.00	13	8.75	28	7.25		

Tioga County

Ti-1(B13d-8436). Mrs. Ruth K. Wilson. Formerly Lewis Robert Kohler. Guines. Lat 41°45'00", long 77°33'30". Dug unused (previously reported domestic) water-table well in sand and gravel of Pleistocene age, diam 30 in (previously reported 4 ft), depth 23 ft, cased with stone. Lsd 1,290 ft above msl. MP top of wooden cover, 3.80 ft above lsd. Highest water level 4.17 below lsd, Apr. 22, 1961; lowest 21.18 below lsd, Sept. 16, 1939. Records available: 1935-62.

Jan. 4, 1958	10.05	Jan. 17, 1959	19.10	Dec. 26, 1959	9.80	Dec. 10, 1960	19.22
11	12.75	24	6.65	Jan. 2, 1960	7.18	17	19.65
18	13.05	31	8.39	9	8.88	24	20.30
25	14.75	Feb. 7	9.75	16	11.18	31	20.30
Feb. 1	16.45	14	6.80	23	11.87	Jan. 7, 1961	20.60
8	17.88	21	9.34	30	13.74	14	20.50
15	18.42	28	11.24	Feb. 6	12.37	21	20.45
22	18.80	Mar. 7	6.68	13	9.25	28	20.60
Apr. 1	5.67	14	8.70	20	8.55	Feb. 4	20.70
12	5.60	21	6.88	27	9.44	11	20.75
19	7.73	28	7.30	Mar. 5	11.02	18	20.63
26	8.25	Apr. 4	5.79	12	13.45	25	6.85
May 3	7.54	11	6.89	19	13.25	Mar. 4	5.74
10	5.87	18	9.95	26	14.48	11	6.75
17	7.27	25	10.55	Apr. 2	4.84	18	7.40
24	11.80	May 2	6.17	9	6.40	25	7.45
31	12.41	9	9.06	16	7.73	Apr. 1	8.00
June 7	14.23	16	11.85	23	10.08	8	10.25
14	13.79	23	12.65	30	11.75	15	11.65
21	15.64	30	13.18	May 6	10.89	22	4.17
28	17.46	June 6	16.60	14	6.53	29	5.98
July 5	17.40	13	16.64	21	4.54	May 6	6.75
12	15.23	20	18.09	28	6.35	13	7.78
19	14.43	27	18.40	June 4	8.30	20	7.85
26	15.71	July 4	18.30	11	9.23	27	7.95
Aug. 2	10.90	11	18.04	18	6.24	June 3	11.50
9	11.15	18	18.50	25	5.13	10	13.30
16	12.86	25	18.40	July 2	6.99	17	13.68
23	14.10	Aug. 1	18.30	9	9.34	24	14.64
30	15.30	8	20.00	16	10.80	July 1	16.60
Sept. 6	17.03	15	19.30	23	11.48	8	17.65
13	16.54	22	19.40	30	12.35	15	18.25
20	18.12	29	19.90	Aug. 6	6.06	22	17.85
27	16.64	Sept. 5	20.05	13	6.34	29	17.45
Oct. 3	14.30	12	20.23	20	10.45	Aug. 5	13.95
10	16.04	19	20.39	27	14.14	12	17.40
18	17.79	26	20.58	Sept. 3	15.17	19	18.85
25	18.15	Oct. 3	19.35	17	16.80	26	15.60
Nov. 1	18.13	10	16.03	24	17.08	Sept. 2	15.40
8	19.09	17	16.48	Oct. 1	18.07	9	17.18
15	17.98	24	16.89	8	18.54	16	16.00
22	17.43	31	13.77	15	18.80	23	17.50
29	17.72	Nov. 7	18.39	22	17.57	30	17.50
Dec. 6	16.64	14	9.90	29	18.58	Oct. 7	17.98
13	16.83	21	11.16	Nov. 5	18.27	14	17.70
20	18.10	28	5.90	12	18.40	21	18.78
27	18.54	Dec. 5	6.99	19	18.77	28	18.83
Jan. 3, 1959	18.49	12	7.45	26	18.90	Nov. 4	18.98
10	18.78	19	7.80	Dec. 3	19.04	11	19.00

T1-1(B13d-8436)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 18, 1961	18.45	Mar. 3, 1962	16.28	June 16, 1962	15.43	Sept. 29, 1962	19.14
25	16.66	10	16.90	23	16.80	Oct. 6	16.18
Dec. 2	16.47	17	13.02	30	18.30	13	17.27
9	18.18	24	6.30	July 7	18.65	20	17.83
15	17.98	31	5.40	14	19.02	27	18.51
23	17.93	Apr. 7	5.74	21	18.88	Nov. 3	18.65
30	18.09	14	5.31	28	18.88	10	17.50
Jan. 6, 1962	18.65	21	6.80	Aug. 4	19.05	17	14.00
13	17.05	28	8.17	11	18.75	24	14.70
20	15.65	May 5	9.04	18	19.25	Dec. 1	15.67
27	15.44	12	11.27	25	19.57	8	16.27
Feb. 3	15.08	19	13.28	Sept. 1	20.18	17	17.00
10	15.53	26	15.18	8	20.45	22	17.26
17	17.52	June 2	16.94	15	20.57	29	17.50
24	18.17	9	17.80	22	20.65		

Union County

Un-1(F15a-8127). D. R. Pursley. Laurelton. Lat 40°52'50", long 77°51'50". Dug unused water-table well in shale or limestone of Cayuga Group of Upper Silurian and Lower Devonian age, diam 5 ft, depth 13 ft. Lsd about 655 ft above msl. MP top of concrete enclosure, 2.00 ft above lsd. Highest water level 0.40 below lsd, Apr. 6, 1961; lowest 9.18 below lsd, Oct. 26, 1951. Records available: 1946-61. Post Office being built over well; measurement discontinued.

Jan. 3, 1958	4.28	Dec. 5, 1958	7.95	Oct. 16, 1959	4.96	Sept. 2, 1960	5.02
10	4.94	12	7.96	23	4.94	9	5.03
17	4.03	19	7.99	30	4.92	16	5.00
24	4.04	26	8.00	Nov. 7	4.90	23	5.00
31	4.14	Jan. 2, 1959	7.98	14	4.85	29	5.00
Feb. 5	4.52	9	7.99	20	4.85	Oct. 8	5.00
25	3.05	16	7.99	27	4.80	14	5.00
28	2.76	22	7.98	Dec. 4	4.70	21	5.00
Mar. 7	3.93	30	7.96	11	4.60	28	5.00
14	4.36	Feb. 6	8.00	26	4.50	Nov. 4	5.00
21	4.04	13	4.00	Jan. 1, 1960	4.40	11	5.00
28	3.24	20	4.03	7	4.40	18	4.94
Apr. 7	3.66	27	4.03	14	4.30	23	4.94
11	3.99	Mar. 7	4.03	22	4.29	Dec. 2	4.95
18	4.38	13	4.05	29	4.28	9	4.95
25	4.20	20	4.06	Feb. 5	3.96	16	4.95
May 2	4.14	28	4.26	12	3.94	23	5.00
9	3.82	Apr. 3	4.11	19	3.94	Jan. 6, 1961	5.00
16	4.58	11	4.11	26	4.00	13	5.00
23	4.98	18	4.13	Mar. 4	4.00	21	5.00
30	5.35	25	4.13	11	4.00	27	5.00
June 6	5.05	May 1	4.12	18	4.02	Feb. 3	5.00
13	4.10	11	4.10	25	4.01	10	5.00
20	4.83	16	4.12	Apr. 1	4.11	18	5.00
27	5.11	29	4.18	16	4.25	25	.50
July 4	5.67	June 9	4.25	23	4.25	Mar. 3	.55
11	5.79	12	4.95	29	4.27	10	.59
18	5.69	19	4.92	May 7	4.97	17	.60
25	5.87	26	4.93	13	3.97	24	.60
Aug. 1	5.46	July 3	4.95	20	3.99	31	.70
8	5.80	12	4.92	27	4.99	Apr. 6	.40
15	6.37	17	4.95	June 3	4.00	11	3.46
22	6.72	24	5.00	10	3.98	13	1.94
Sept. 5	6.50	31	5.00	18	3.96	21	1.93
12	7.50	Aug. 7	5.00	24	3.96	28	1.94
19	7.60	14	5.00	30	4.00	May 10	1.94
27	7.90	21	5.00	July 7	4.00	12	2.00
Oct. 11	5.09	28	5.00	15	4.00	19	1.97
17	7.92	Sept. 4	5.00	22	4.95	27	1.97
24	7.92	11	5.00	29	4.95	June 2	1.97
31	7.91	19	5.00	Aug. 5	4.99	9	1.94
Nov. 7	7.88	25	5.00	12	5.00	16	1.97
14	7.91	Oct. 2	4.98	19	4.02	23	.93
22	7.91	9	4.96	26	5.02	30	.93

Washington County

Ws-1(J3c-5924). Floyd King. Formerly Albert Mankey. Amity. Lat 40°02'20", long 80°12'10". Dug domestic (previously reported unused) water-table well in limestone of Washington Formation of Lower Permian age, diam 40 in, depth 36 ft, cased with stone to 4. Lsd 1,190 ft above msl. MP top of brass plate under trap door, 0.70 ft above lsd. Highest water level 8.39 below lsd, June 22, 1946; lowest 34.14 below lsd, Oct. 1, 1938. Records available: 1936-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	20.90	Apr. 4, 1959	15.87	July 2, 1960	20.82	Oct. 7, 1961	27.81
11	21.87	11	15.82	9	21.86	14	25.86
18	19.83	18	13.87	16	20.86	21	25.81
25	16.81	25	15.89	23	21.88	28	25.85
Feb. 1	15.84	May 2	11.89	30	21.85	Nov. 4	24.84
8	15.81	9	14.88	Aug. 6	21.81	11	24.86
15	15.90	16	11.88	13	21.87	18	23.84
22	16.84	23	14.87	20	21.85	25	19.84
Mar. 1	13.81	30	14.85	27	22.81	Dec. 1	20.89
8	15.89	June 5	15.84	Sept. 3	21.88	9	18.86
15	17.83	13	17.83	10	12.88	16	19.86
22	14.83	20	19.81	17	15.84	23	14.81
29	14.84	27	21.88	24	15.86	Jan. 6, 1962	14.81
Apr. 5	14.87	July 4	23.83	Oct. 1	16.98	13	13.81
12	15.84	11	23.81	8	17.87	20	13.86
19	15.87	18	24.85	15	19.81	27	10.81
26	15.84	25	24.85	22	19.87	Feb. 3	11.86
May 3	10.89	Aug. 1	24.81	29	19.84	10	11.81
10	11.81	8	23.83	Nov. 5	18.79	17	12.81
17	15.84	15	23.90	12	20.81	24	9.89
24	16.84	22	24.83	19	21.85	Mar. 3	9.81
31	16.84	29	24.83	26	22.49	10	11.84
June 7	17.81	Sept. 5	24.85	Dec. 3	22.84	17	11.86
14	17.81	12	24.88	17	23.81	24	11.84
21	18.84	19	24.89	24	23.86	31	11.81
28	18.90	26	25.82	31	22.87	Apr. 7	10.84
July 6	21.90	Oct. 3	25.85	Jan. 7, 1961	13.90	14	10.81
12	18.87	10	25.83	14	15.90	21	11.88
19	16.87	17	25.87	21	15.81	28	17.81
26	14.87	24	24.88	28	13.89	May 5	19.81
Aug. 2	15.87	31	24.85	Feb. 4	13.81	12	20.81
9	17.89	Nov. 7	22.87	11	15.90	19	21.84
16	19.87	14	24.81	18	18.86	26	20.84
23	21.87	21	24.89	25	8.87	June 2	21.85
30	21.89	28	20.89	Mar. 4	8.81	9	21.86
Sept. 6	18.89	Dec. 5	22.85	11	9.84	16	21.91
13	18.90	12	19.84	18	11.81	23	22.81
20	17.84	19	19.88	25	11.82	30	22.84
27	17.83	26	19.89	Apr. 1	11.94	July 7	21.89
Oct. 4	18.87	Jan. 2, 1960	14.84	8	10.84	14	22.87
11	21.87	9	16.87	15	9.89	21	22.86
18	22.81	16	12.89	22	9.82	28	22.88
25	22.81	23	14.84	29	9.81	Aug. 4	22.89
Nov. 1	22.87	30	15.82	May 6	12.81	11	22.90
8	24.89	Feb. 6	13.81	13	10.86	18	22.90
15	25.86	13	12.83	20	14.84	25	22.83
22	25.85	20	12.81	27	16.84	Sept. 1	22.85
29	25.81	27	11.82	June 3	9.87	8	22.84
Dec. 6	16.86	Mar. 5	13.88	10	9.84	15	22.85
13	16.88	12	13.89	17	12.88	22	23.85
20	18.86	19	11.87	24	16.85	29	22.86
27	20.85	26	12.81	July 1	20.81	Oct. 6	22.85
Jan. 3, 1959	15.86	Apr. 2	9.88	8	18.81	13	22.89
10	16.86	9	11.84	15	22.81	20	23.81
17	13.86	16	14.81	29	11.84	27	23.84
24	10.83	23	15.88	Aug. 5	12.88	Nov. 3	24.86
31	11.86	30	15.90	12	16.84	10	22.84
Feb. 7	13.82	May 7	11.86	19	19.81	17	21.86
14	8.88	14	13.88	26	19.85	24	22.84
21	11.83	20	13.84	Sept. 2	23.81	Dec. 1	22.81
28	13.83	28	15.84	9	21.87	8	21.89
Mar. 7	13.83	June 4	16.81	16	25.80	15	22.84
14	11.88	11	17.81	23	27.81	22	22.85
21	13.87	18	18.81	30	27.86	29	22.88
28	14.88	25	19.86				

Wayne County

Wn-1(D23a-0933). Arthur H. Tyce. Near Hawley. Lat 41°29'10", lon 75°11'10". Dug unused water-table well in sand and gravel of Pleistocene age, diam 30 in, depth 12 ft (previously reported 17 ft), cased with stone. Lsd 920 ft above msl. MP top of wooden cover, 0.87 ft above lsd. Highest water level 0.67 below lsd, Apr. 5, 1958; lowest dry, many times, 1941, 1953, 1954, 1956, 1958-62. Records available: 1941-42, 1944-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1958	11.60	Apr. 11, 1959	2.75	July 9, 1960	9.09	Oct. 7, 1961	(f)
11	11.62	18	4.37	16	9.63	14	(f)
18	11.03	25	5.00	23	9.78	21	(f)
25	9.62	May 2	4.74	30	10.63	28	(f)
Feb. 1	9.30	9	5.74	Aug. 6	10.50	Nov. 4	(f)
8	9.30	16	7.12	13	10.89	11	(f)
15	9.28	23	7.76	20	11.25	18	(f)
22	9.55	30	7.99	27	11.95	25	(f)
Mar. 1	8.38	June 6	9.08	Sept. 3	(f)	Dec. 2	(f)
8	6.58	13	9.65	16	(f)	9	(f)
15	6.00	20	10.10	17	11.90	16	(f)
22	6.31	27	10.54	24	9.11	23	(f)
29	3.67	July 4	11.04	Oct. 1	9.55	30	(f)
Apr. 5	.67	11	12.01	8	9.74	Jan. 6, 1962	(f)
12	.85	18	12.57	15	10.18	13	(f)
19	2.97	25	13.10	22	9.57	20	(f)
26	3.47	Aug. 1	(f)	29	10.84	27	(f)
May 3	4.54	8	(f)	Nov. 5	11.05	Feb. 3	(f)
10	4.05	15	(f)	12	10.13	10	11.25
17	5.11	22	(f)	19	11.47	17	11.78
24	6.52	29	(f)	26	12.11	24	11.93
31	7.69	Sept. 5	(f)	Dec. 3	12.33	Mar. 3	11.29
June 7	8.44	12	(f)	10	(f)	10	10.98
14	8.49	19	(f)	17	(f)	17	10.17
21	9.07	26	(f)	24	(f)	24	8.10
28	9.58	Oct. 3	(f)	31	(f)	31	5.60
July 5	10.00	10	(f)	Jan. 7, 1961	(f)	Apr. 7	5.92
12	10.04	17	(f)	14	(f)	14	4.50
19	10.32	24	(f)	21	(f)	21	5.80
26	10.83	31	(f)	28	(f)	28	6.51
Aug. 2	11.29	Nov. 7	(f)	Feb. 4	(f)	Mar. 5	7.42
9	11.62	14	(f)	11	(f)	12	8.04
16	11.97	21	(f)	18	11.48	19	8.75
23	12.87	28	12.80	25	8.00	26	9.38
30	12.88	Dec. 5	13.10	Mar. 4	7.08	June 2	9.98
Sept. 6	13.43	12	12.68	11	5.78	9	10.55
13	(f)	19	13.02	18	5.82	16	11.08
20	13.34	26	(f)	25	5.50	23	10.98
27	13.16	Jan. 2, 1960	(f)	Apr. 1	4.47	30	(f)
Oct. 4	13.20	9	12.49	8	5.78	July 7	(f)
11	(f)	16	12.46	15	4.47	14	(f)
18	(f)	23	12.65	22	3.46	21	(f)
25	12.89	30	11.44	29	3.28	28	(f)
Nov. 1	12.13	Feb. 6	9.45	May 6	4.05	Aug. 4	(f)
8	11.34	13	7.95	13	5.84	11	(f)
15	11.23	20	7.36	20	4.40	18	(f)
22	11.40	27	7.67	27	7.40	25	(f)
27	11.55	Mar. 5	7.56	June 2	7.96	Sept. 2	(f)
Dec. 6	11.24	12	8.70	10	8.09	8	(f)
13	11.04	19	9.44	17	9.00	15	(f)
20	11.24	26	8.34	24	9.36	22	(f)
27	11.30	Apr. 2	3.34	July 1	9.76	29	(f)
Jan. 3, 1959	11.37	9	3.85	8	10.18	Oct. 6	(f)
10	11.36	16	3.70	15	10.81	13	(f)
17	11.41	23	3.21	22	11.26	20	(f)
24	10.45	30	3.52	29	11.66	27	(f)
31	10.98	May 7	7.44	Aug. 5	12.23	Nov. 3	(f)
Feb. 7	10.94	14	7.17	12	(f)	10	(f)
14	10.41	21	5.96	19	(f)	17	(f)
21	10.50	28	4.96	26	11.55	24	(f)
28	9.74	June 4	5.24	Sept. 2	12.13	Dec. 1	(f)
Mar. 7	10.46	11	6.59	9	(f)	8	(f)
14	9.90	18	6.47	16	(f)	15	(f)
21	7.78	25	7.68	23	(f)	22	(f)
28	6.42	July 2	8.34	30	(f)	29	(f)
Apr. 4	3.75						

York County

Yo-180(003-645-1). New York Wire Cloth Co. 441 E. Market St., York. Lat 40°03'00", long 76°45'00". Drilled unused artesian well in shale of New Oxford Formation, diam 8 in, depth 490 ft. Lsd 360 ft above msl. MP top of casing, 1.40 ft above lsd. Highest water level 27.35 below lsd, Apr. 22, 1962; lowest 36.73 below lsd, Sept. 23, 26, 1962. Records available: 1962.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	30.07	29.63	33.54	34.95	36.00	36.39	35.93	35.55	31.35
10	29.45	30.48	33.98	35.17	35.95	36.30	35.32	34.70	30.32
15	27.94	31.41	34.13	35.42	35.63	36.50	35.64	33.73	30.17
20	27.43	32.03	34.02	35.67	35.87	36.69	35.82	32.90	30.85
25	27.99	32.60	34.30	35.73	36.08	36.70	36.14	31.75	31.30
Eom	29.56	29.09	33.15	34.65	35.85	36.31	36.52	36.25	31.37	31.92

RHODE ISLAND

By George R. Schiner

The observation-well program in Rhode Island was continued during 1958 through 1962 in cooperation with the Rhode Island Water Resources Coordinating Board. Figure 13 shows the location of observation wells included in this report.

Well-Numbering System

Wells are designated by three-letter abbreviations derived from city or town names and by serial numbers. For example, Cha 18 designates well 18 in the town of Charlestown and Sok 6 designates well 6 in the town of South Kingstown. The letter "a" after the serial number indicates a well whose record is considered to be an extension of that of the well having the corresponding number. For example, the record for well Nok 26a may be used as a continuation of the record for well Nok 26.

Well Descriptions and Water-Level Measurements

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

Kent County

Cov 212. Formerly Coventry 212. John Thornton. Formerly Victor A. Francis. About 400 ft west of intersection of Harkney Hill and Fish Hill Rds. Near Nooseneck. Lat 41°40'06", long 71°37'37". Dug unused water-table well in sand of Pleistocene age, diam 30 in, depth 14 ft, lined with stone. Lsd 268.75 ft above msl. MP top edge of top stone on east rim of well, at lsd. Highest water level 3.51 below lsd, Mar. 26, 1958; lowest dry, Sept. 27, Oct. 29, Nov. 26, 1957, Sept. 28, 1962. Records available: 1953-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1956	6.92	Oct. 29, 1957	(f)	July 30, 1959	8.56	Apr. 27, 1961	3.97
Feb. 27	5.86	Nov. 26	(f)	Aug. 28	10.71	May 25	4.56
Mar. 28	4.88	Dec. 31	7.70	Sept. 24	11.82	June 28	7.85
Apr. 26	3.96	Jan. 31, 1958	4.10	Oct. 28	11.99	July 27	9.93
May 28	6.62	Feb. 25	6.49	Nov. 25	11.32	Aug. 30	11.39
June 27	8.34	Mar. 26	3.51	Dec. 24	6.99	Sept. 27	7.01
July 30	9.53	Apr. 25	3.75	Feb. 1, 1960	7.45	Oct. 30	8.77
Aug. 29	10.85	May 23	4.62	25	5.26	Nov. 30	8.85
Sept. 26	11.77	June 30	7.31	Mar. 25	6.17	Dec. 28	9.18
Oct. 25	11.70	July 30	9.07	May 2	6.62	Jan. 31, 1962	7.43
Nov. 27	10.57	Aug. 28	8.81	31	7.89	Feb 28	8.65
Dec. 26	6.79	Sept. 25	9.85	July 1	10.05	Mar. 29	5.61
Jan. 30, 1957	7.15	Oct. 23	9.28	28	11.10	Apr. 26	5.88
Feb. 28	8.21	Nov. 21	8.80	Aug. 30	12.14	May 25	8.01
Mar. 28	6.52	Dec. 29	9.38	Sept. 28	10.55	June 28	9.63
Apr. 30	6.33	Jan. 29, 1959	9.79	Oct. 27	11.54	July 26	10.92
May 29	8.53	Feb. 26	8.48	Nov. 29	10.54	Aug. 30	13.15
June 26	10.44	Mar. 26	5.55	Dec. 27	8.55	Sept. 28	(f)
July 31	12.09	Apr. 30	5.72	Jan. 30, 1961	11.10	Oct. 29	9.03
Aug. 30	12.30	May 29	7.74	Feb. 27	5.75	Nov. 26	6.18
Sept. 27	(f)	June 30	8.67	Mar. 30	5.27	Dec. 26	7.55

f Dry.

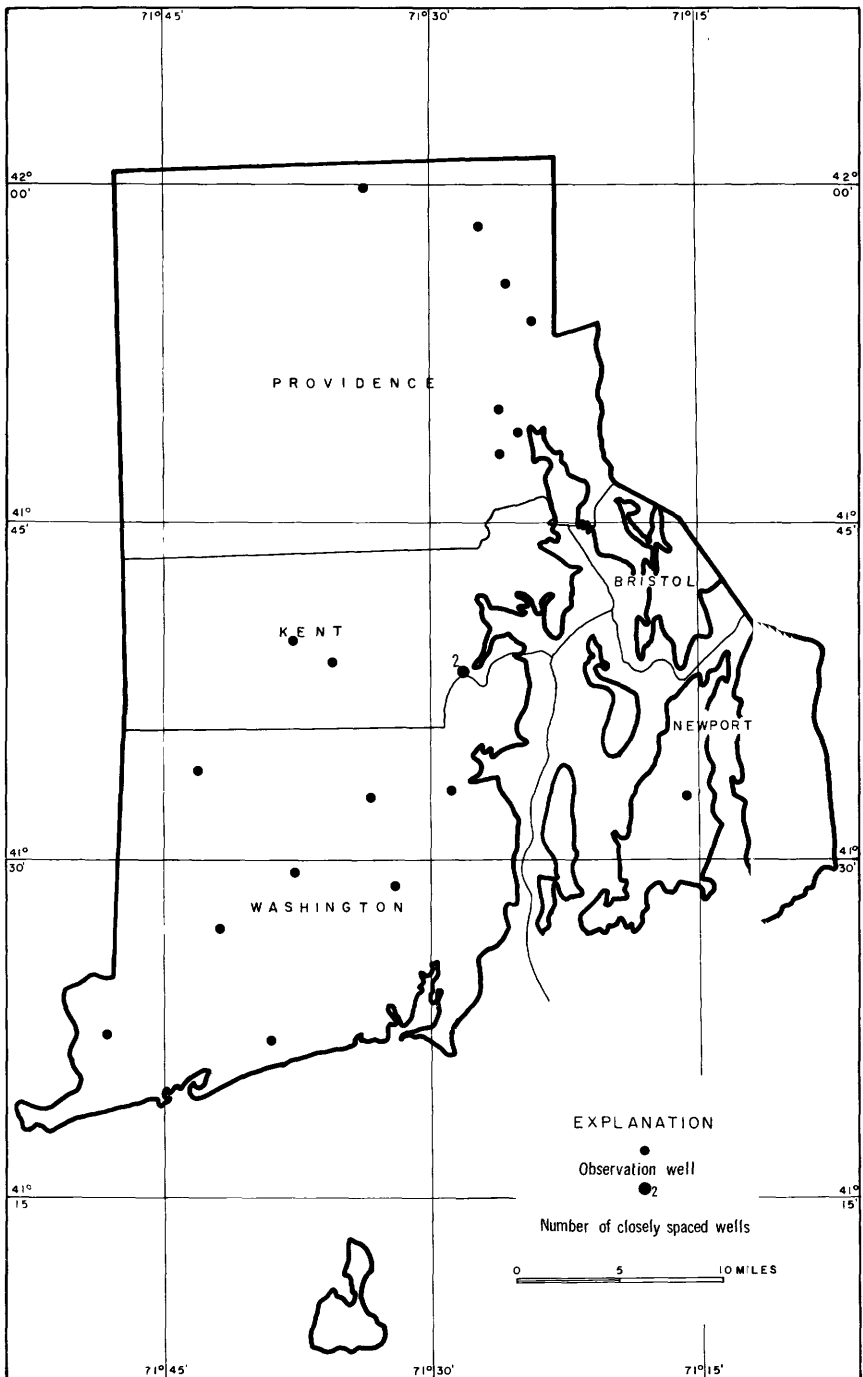


Figure 13. --Location of observation wells in Rhode Island, 1958-62.

War 39a. Formerly Warwick 39a. U. S. Naval Air Station. Formerly U. S. Naval Advance Base Depot. Quonset Point. Davisville. Lat 41°38'19", long 71°27'54". Drilled observation water-table well in sand and gravel, diam 2½ in, depth 45 ft, cased with iron to 45, open end. Lsd 35.9 ft above msl. MP top of casing, at lsd. Highest water level 7.5 below lsd, May 1, 1958; lowest 39.8 below lsd, Sept. 10, 1944. Records available: 1943-61. Affected by pumping. Measurements are monthly lows from daily records made by Public Works Office. Observation well is 3 ft from public-supply well War 39, diam 18 in, depth 61 ft. Measurement discontinued. For additional measurements, see Hahn and Wosinski (1960), Johnson (1961), Allen, Hahn, and Tuttle (1963), and Hansen and Schiner (1963).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1958	23.0	Jan. 31, 1959	20.9	Jan. 21, 1960	26.3	Jan. 14, 1961	24.4
Feb. 21	21.5	Feb. 6	23.5	Feb. 10	24.5	Feb. 5	26.1
Mar. 26	21.0	Mar. 17	25.0	Mar. 10	22.2	Mar. 7	24.2
Apr. 24	16.6	Apr. 2	20.0	Apr. 4	14.8	Apr. 12	12.8
May 30	16.3	May 31	26.0	May 28	24.2	May 8	16.3
June 26	21.4	June 2	26.4	June 20	25.7	June 9	21.9
July 22	25.6	July 28	27.7	July 25	28.3	July 30	28.4
Aug. 1	26.2	Aug. 31	27.2	Aug. 31	26.8	Aug. 16	27.6
Sept. 24	24.0	Sept. 14	30.8	Sept. 3	30.0	Sept. 17	29.4
Oct. 24	21.8	Oct. 21	31.4	Oct. 3	27.0	Oct. 26	27.0
Nov. 26	19.1	Nov. 18	30.8	Nov. 25	26.3	Nov. 3	27.0
Dec. 17	18.6	Dec. 8	27.0	Dec. 15	26.4	Dec. 20	24.2

War 513. U. S. Naval Air Station. Quonset Point. Lat 41°38'19", long 71°27'54". Driven observation water-table well in sand and gravel of Pleistocene age, diam 3 in, depth 50 ft, cased with iron to 50, open end. Lsd 28.8 ft above msl. MP top of casing, 3.10 ft above lsd. Highest water level 5.34 below lsd, Mar. 15, 1962; lowest 17.0 below lsd, Sept. 27, 1960. Records available: 1958-62. Affected by pumping. Measurements are monthly lows from daily records by Public Works Office through June 1961; from recorder graph thereafter. Replaces War 39a.

Feb. 17, 1958	11.5	May 29, 1959	11.1	Aug. 31, 1960	16.6	Nov. 6, 1961	10.35
Mar. 13	10.5	June 12	11.7	Sept. 27	17.0	Dec. 13	9.90
Apr. 11	9.7	July 23	12.4	Oct. 20	14.5	Jan 5, 1962	9.81
May 15	9.1	Aug. 21	14.3	Nov. 1	13.2	Feb. 23	10.08
June 12	12.8	Sept. 18	14.4	Dec. 14	12.6	Mar. 8	9.84
July 31	11.2	Oct. 21	16.3	Jan. 14, 1961	13.0	Apr. 27	8.58
Aug. 22	11.6	Nov. 18	15.2	Feb. 16	12.2	May 31	10.14
Sept. 25	12.2	Dec. 5	14.5	Mar. 19	11.9	June 12	11.11
Oct. 21	11.8	Jan. 21, 1960	10.8	Apr. 5	10.2	July 31	14.00
Nov. 7	10.6	Feb. 18	11.2	May 12	10.1	Aug. 28	16.60
Dec. 30	11.5	Mar. 17	10.2	June 11	14.0	Sept. 27	16.95
Jan. 31, 1959	11.7	Apr. 15	9.4	July 31	11.12	Oct. 4	14.56
Feb. 3	12.3	May 31	10.7	Aug. 17	12.75	Nov. 2	8.98
Mar. 22	11.3	June 30	12.9	Sept. 14	12.81	Dec. 31	8.64
Apr. 26	10.4	July 27	13.5	Oct. 27	9.81		

Wgr 57. Formerly West Greenwich 57. Frank Altieri. Division St. Near Nooseneck. Lat 41°38'45", long 71°35'27". Dug unused water-table well in sand of Pleistocene age, diam 30 in, depth 13 ft, lined with stone. Lsd 268.10 ft above msl. MP floor of recorder shelter, 2.52 ft above lsd (since Aug. 10, 1961). Highest water level 1.25 below lsd, Mar. 26, 1958; lowest 10.30 below lsd, Sept. 27, 1957. Records available: 1952-62. Recording gage installed Aug. 10, 1961. End-of-month measurements from recorder graph shown since August 1961. Measurement discontinued.

Jan. 31, 1958	3.39	Apr. 30, 1959	2.96	July 29, 1960	6.97	Oct. 31, 1961	5.23
Feb. 25	5.87	May 28	5.88	Aug. 31	8.12	Nov. 30	4.59
Mar. 26	1.25	June 30	5.33	Sept. 29	5.66	Dec. 28	4.95
Apr. 25	2.70	July 30	5.88	Oct. 27	5.67	Jan. 31, 1962	4.87
May 23	2.55	Aug. 27	7.54	Nov. 29	6.64	Feb. 28	3.95
June 27	4.83	Sept. 24	7.98	Dec. 27	5.05	Mar. 29	3.93
July 30	4.39	Oct. 28	5.98	Jan. 31, 1961	6.51	Apr. 26	4.36
Aug. 27	2.74	Nov. 25	5.83	Feb. 28	2.92	May 25	5.20
Sept. 25	5.22	Dec. 24	5.21	Mar. 31	3.95	June 28	5.50
Oct. 23	3.34	Feb. 1, 1960	4.38	Apr. 28	2.88	July 26	7.23
Nov. 21	4.70	25	3.64	May 26	4.51	Aug. 30	7.20
Dec. 29	5.93	Mar. 25	3.23	June 29	5.23	Sept. 28	8.35
Jan. 29, 1959	5.57	May 2	4.01	July 28	6.71	Oct. 29	4.44
Feb. 26	5.50	31	5.33	Aug. 28	5.97	Nov. 26	3.38
Mar. 26	3.27	July 1	6.74	Sept. 28	3.59	Dec. 26	4.88

Newport County

Por 72. Formerly Portsmouth 72. St. Mary's Church. East Main Rd. Near South Portsmouth. Lat 41°32'47", long 71°15'42". Dug unused water-table well in Rhode Island Formation, diam 36 in, depth 42 ft, lined with stone to 42. Lsd about 235 ft above msl. MP top edge of hole in center of concrete cover, 0.28 ft above lsd. Highest water level 6.96 below lsd, Feb. 20, 1948; lowest 30.79 below lsd, Oct. 29, 1957. Records available: 1947-61. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1958	10.37	Jan. 30, 1959	18.88	Feb. 1, 1960	16.64	Jan. 30, 1961	18.67
Feb. 26	17.28	Feb. 27	17.37	26	11.63	Feb. 27	9.11
Mar. 27	8.87	Mar. 26	13.14	Mar. 28	15.11	Mar. 30	15.89
Apr. 28	14.05	Apr. 29	16.87	Apr. 29	17.33	Apr. 27	13.03
May 26	16.80	May 28	19.09	June 1	18.81	May 25	17.85
June 27	18.43	June 29	19.23	30	20.21	June 28	19.05
July 31	20.32	July 29	18.18	July 28	21.36	July 27	21.35
Aug. 28	21.16	Aug. 27	20.33	Aug. 30	23.66	Aug. 30	22.97
Sept. 26	18.92	Sept. 24	22.85	Sept. 28	18.36	Sept. 27	13.17
Oct. 24	18.36	Oct. 28	24.88	Oct. 27	18.49	Oct. 30	17.89
Nov. 24	17.45	Nov. 25	24.29	Nov. 29	17.79	Nov. 29	15.67
Dec. 31	18.51	Dec. 23	15.19	Dec. 27	12.80	Dec. 27	15.06

Providence County

Cum 129. Formerly Cumberland 129. Thomas Cooney Estate. Mendon Rd. Near Manville. Lat 41°58'20", long 71°27'14". Dug unused water-table well in till of Pleistocene age, diam 30 in, depth 30 ft, lined with stone. Lsd 324.82 ft above msl. MP arrow painted on top of timber in well shelter, 3.10 ft above lsd. Highest water level 4.05 below lsd, Mar. 26, 1958; lowest 18.28 below lsd, Oct. 28, 1957. Records available: 1946-59. Measurement discontinued.

Jan. 30, 1958	4.80	May 26, 1958	7.99	Sept. 26, 1958	9.56	Dec. 31, 1958	9.78
Feb. 26	8.90	June 30	11.18	Oct. 24	9.49	Jan. 30, 1959	9.53
Mar. 26	4.05	July 31	12.21	Nov. 24	8.97	Feb. 27	9.14
Apr. 28	6.96	Aug. 28	12.23				

Cum 265. Formerly Cumberland 265. Clarence Lawton. 27 Scott Rd. Near Ashton. Lat 41°56'26", long 71°25'45". Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in (previously reported 30 in), depth 20 ft, lined with stone. Lsd about 130 ft above msl. MP arrow painted on top of slate rock slab under concrete cover on west rim of well, at lsd. Highest water level 10.00 below lsd, Jan. 30, 1958; lowest 17.20 below lsd, Sept. 29, 1949. Records available: 1946-62.

Jan. 25, 1956	11.71	Oct. 28, 1957	16.22	July 29, 1959	12.39	Apr. 27, 1961	11.40
Feb. 27	11.83	Nov. 25	12.31	Aug. 27	14.94	May 25	12.80
Mar. 28	11.62	Dec. 31	11.09	Sept. 24	15.39	June 28	14.04
Apr. 26	12.23	Jan. 30, 1958	10.00	Oct. 28	13.18	July 27	15.06
May 28	13.68	Feb. 26	12.85	Nov. 25	12.56	Aug. 30	15.17
June 27	13.89	Mar. 26	10.71	Dec. 23	11.27	Sept. 27	12.06
July 30	14.76	Apr. 28	12.01	Feb. 1, 1960	12.24	Oct. 30	12.91
Aug. 29	15.79	May 26	12.63	26	10.97	Nov. 29	12.34
Sept. 26	16.06	June 30	14.67	Mar. 28	12.21	Dec. 27	12.10
Oct. 25	14.18	July 31	15.55	Apr. 29	12.77	Jan. 31, 1962	12.13
Nov. 27	13.20	Aug. 28	15.75	June 1	13.25	Feb. 28	12.86
Dec. 26	11.09	Sept. 26	13.60	30	14.76	Mar. 29	11.64
Jan. 30, 1957	12.07	Oct. 24	13.31	July 28	14.65	Apr. 26	12.20
Feb. 27	12.62	Nov. 24	12.58	Aug. 30	15.49	May 25	13.12
Mar. 27	11.90	Dec. 31	12.94	Sept. 28	12.01	June 28	14.45
Apr. 29	12.61	Jan. 30, 1959	12.73	Oct. 27	12.79	July 26	15.45
May 27	14.35	Feb. 27	12.16	Nov. 29	12.53	Aug. 30	16.26
June 25	15.44	Mar. 26	11.44	Dec. 27	11.58	Sept. 28	16.15
Aug. 1	16.30	Apr. 29	12.63	Jan. 30, 1961	12.74	Oct. 29	12.13
29	15.63	May 28	13.64	Feb. 27	11.04	Nov. 26	11.23
Sept. 26	16.32	June 29	12.97	Mar. 30	11.86	Dec. 26	12.38

Lin 84. Formerly Lincoln 84. Maplehurst Farm, Inc. Formerly Lincoln Bleachery & Dye Works. Between Blackstone River and Front St. Lonsdale. Lat 41°54'38", long 71°24'24". Driven unused water-table well in sand and gravel of Pleistocene age, diam 8 in (previously reported 3 in), depth 107 ft, cased with steel. Lsd about 60 ft above msl. MP top of casing, 2.70 ft below lsd. Highest water level, flood levels, Mar. 20, 1948, Apr. 17, 1953, Sept. 18, 1954, Aug. 20, 1955, Apr. 6, 13, 20, 1956, Apr. 7, 1958, Feb. 27, 1961; lowest 7.28 below lsd, Oct. 11, 1957. Records available: 1946-62. Monthly lows from weekly measurements through October 1959; end-of-month measurements thereafter. Affected by pumping through March 1959. For additional measurements, see Hahn and Wosinski (1960) and Johnson (1961).

Lin 84--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1958	5.88	Apr. 24, 1959	5.09	July 28, 1960	5.80	Oct. 30, 1961	5.34
Feb. 14	5.43	May 29	5.81	Aug. 30	6.29	Nov. 29	4.68
Mar. 14	3.95	June 12	5.73	Sept. 28	5.70	Dec. 27	5.15
Apr. 25	4.40	July 10	5.89	Oct. 27	4.81	Jan. 31, 1962	4.43
May 30	5.04	Aug. 28	6.02	Nov. 29	5.55	Feb. 28	4.84
June 20	5.78	Sept. 25	6.11	Dec. 27	4.94	Mar. 29	2.77
July 11	5.84	Oct. 23	6.25	Jan. 30, 1961	63.00	Apr. 26	4.85
Aug. 22	6.02	Nov. 25	4.86	Feb. 27	(j)	May 25	4.85
Sept. 5	6.04	Dec. 23	4.73	Mar. 30	3.85	June 28	5.70
Oct. 17	5.93	Feb. 1, 1960	5.11	Apr. 27	3.86	July 26	6.10
Nov. 28	5.97	25	4.27	May 25	4.84	Aug. 30	5.97
Dec. 26	6.43	Mar. 25	4.94	June 28	5.61	Sept. 28	6.04
Jan. 16, 1959	6.12	Apr. 29	4.72	July 27	5.50	Oct. 29	5.67
Feb. 27	5.99	June 1	4.80	Aug. 30	5.74	Nov. 26	4.53
Mar. 13	5.00	30	5.74	Sept. 27	4.26	Dec. 26	5.04

e Estimated.

j Water level above MP.

Nsm 21. Formerly North Smithfield 21. Thomas E. Esty. Formerly James W. Shaw. Branch Village. Lat 41°59'48", long 71°32'53". Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in, depth 16 ft, cased with tile. Lsd 238.68 ft (previously reported about 250 ft) above msl. MP top edge of inside lip of casing, 2.80 ft below lsd. Highest water level 4.34 below lsd, Jan. 30, 1958; lowest 11.71 below lsd, Oct. 28, 1957. Records available: 1947-62.

Jan. 25, 1956	7.32	Oct. 28, 1957	11.71	July 29, 1959	7.74	Apr. 27, 1961	6.35
Feb. 27	6.58	Nov. 25	11.24	Aug. 27	9.32	May 25	7.48
Mar. 28	e6.2	Dec. 31	7.73	Sept. 24	9.79	June 28	8.32
Apr. 26	6.35	Jan. 30, 1958	4.34	Oct. 28	8.79	July 27	9.29
May 28	7.76	Feb. 26	7.06	Nov. 25	7.95	Aug. 30	9.91
June 27	8.67	Mar. 26	4.94	Dec. 23	6.73	Sept. 27	8.23
July 30	9.36	Apr. 28	6.44	Feb. 1, 1960	7.12	Oct. 30	8.35
Aug. 29	10.14	May 26	7.00	25	6.06	Nov. 29	7.94
Sept. 26	10.39	June 30	8.63	Mar. 25	6.57	Dec. 27	7.65
Oct. 25	10.16	July 31	9.53	May 2	7.21	Jan. 31, 1962	6.91
Nov. 27	9.28	Aug. 28	9.98	31	7.43	Feb. 28	7.81
Dec. 26	6.67	Sept. 26	9.98	July 1	8.99	Mar. 29	6.26
Jan. 30, 1957	e6.6	Oct. 24	9.23	28	9.51	Apr. 26	7.09
Feb. 27	7.59	Nov. 24	8.53	Aug. 30	9.99	May 25	7.68
Mar. 27	7.01	Dec. 31	8.30	Sept. 28	8.58	June 28	8.42
Apr. 29	7.31	Jan. 30, 1959	8.12	Oct. 27	8.08	July 26	9.25
May 27	8.52	Feb. 27	7.68	Nov. 29	8.00	Aug. 30	9.97
June 25	9.48	Mar. 27	6.87	Dec. 27	6.82	Sept. 28	10.27
Aug. 1	10.41	Apr. 29	6.61	Jan. 30, 1961	7.84	Oct. 29	8.00
29	10.95	May 28	8.01	Feb. 27	4.92	Nov. 26	6.72
Sept. 26	11.39	June 29	8.47	Mar. 30	6.65	Dec. 26	7.73

e Estimated.

Pro 48. Formerly Providence 48. Gorham Manufacturing Co. 333 Adelaide Ave., Providence. Lat 41°47'47", long 71°25'56". Drilled unused artesian (previously reported water-table) well in sand of Pleistocene age, diam 8 in, depth 124 ft (previously reported 121 ft), sounded to 121, cased with steel to 8, screened. Lsd 45.79 ft above msl. MP top edge of hole in center of steel cover, 0.48 ft below lsd (since Nov. 24, 1960). Highest water level 5.08 below lsd, Apr. 20, May 4, 1953; lowest 10, 20 below lsd, Oct. 20, 1947. Records available: 1944-62. Affected by pumping.

Jan. 2, 1958	7.72	Apr. 29, 1959	6.54	July 28, 1960	7.15	Oct. 30, 1961	6.82
30	7.24	May 28	6.86	Aug. 30	7.44	Nov. 29	6.91
Feb. 25	7.27	June 29	6.94	Sept. 28	7.06	Dec. 27	6.93
Mar. 27	6.60	July 30	7.07	Oct. 27	7.07	Jan. 31, 1962	6.85
Apr. 28	6.33	Aug. 28	7.36	Nov. 24	7.12	Feb. 28	6.76
May 26	6.38	Sept. 25	7.56	Dec. 27	6.42	Mar. 29	6.09
June 27	6.73	Oct. 29	7.15	Jan. 30, 1961	7.01	Apr. 26	6.62
July 30	7.02	Nov. 27	7.06	Feb. 27	6.70	May 25	6.84
Aug. 27	7.18	Dec. 24	6.94	Mar. 30	7.16	June 28	6.98
Sept. 25	7.32	Feb. 2, 1960	6.89	Apr. 27	5.88	July 26	7.28
Oct. 23	7.14	25	6.55	May 25	6.11	Aug. 30	7.46
Nov. 21	6.90	Mar. 25	6.48	June 28	6.47	Sept. 28	7.78
Dec. 29	7.30	Apr. 29	6.51	July 27	6.75	Oct. 29	7.04
Jan. 29, 1959	7.23	May 31	6.46	Aug. 29	6.89	Nov. 26	6.87
Feb. 26	6.94	June 30	6.95	Sept. 27	6.51	Dec. 26	7.03
Mar. 26	6.63						

Pro 113. Formerly Providence 113. Downtown Branch of the Greater Providence Young Men's Christian Association. 160 Broad St., Providence. Lat 41°49'07", long 71°24'55". Drilled unused artesian (previously reported water-table) well in the Rhode Island Formation, diam 12 in, depth 208 ft, cased with steel. Lsd 72.12 ft above msl. MP top east rim of casing, 7.77 ft below lsd. Highest water level 42.52 below lsd, Oct. 30, 1961; lowest 49.12 below lsd, Nov. 9, 1945. Records available: 1944-61. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1958	44.86	Jan. 29, 1959	43.94	Feb. 1, 1960	43.56	Jan. 30, 1961	43.80
30	44.65	Feb. 26	44.05		25	Feb. 27	43.85
Feb. 25	44.32	Mar. 26	43.95	Mar. 25	43.31	Mar. 30	43.36
Mar. 27	44.20	Apr. 29	43.56	May 2	43.08	Apr. 27	43.06
Apr. 28	43.77	May 28	43.58	31	42.96	May 25	43.29
May 26	43.54	June 29	43.59	June 30	43.11	June 28	42.59
June 27	43.46	July 29	43.57	July 28	43.04	July 27	42.72
July 30	43.56	Aug. 27	43.55	Aug. 30	43.44	Aug. 29	42.85
Aug. 27	43.66	Sept. 24	43.66	Sept. 28	43.48	Sept. 27	42.91
Sept. 25	43.70	Oct. 28	43.73	Oct. 27	43.66	Oct. 30	42.52
Oct. 23	43.65	Nov. 25	43.54	Nov. 29	43.67	Nov. 29	42.65
Nov. 21	43.61	Dec. 23	43.76	Dec. 27	43.77	Dec. 27	42.79
Dec. 29	43.76						

Pro 1051. Formerly Providence 1051. U. S. Rubber Co. 10 Eagle St., Providence. Lat 41°49'40", long 71°28'08". Drilled unused water-table well in sand and gravel of Pleistocene age, diam 8 in, depth 82 ft, cased with steel. Lsd about 10 ft above msl. MP floor of recorder shelter, 1.65 ft above lsd (since May 25, 1959). Highest water level 1.17 below lsd, Sept. 2, 1954; lowest 16.10 below lsd, Jan. 16, 1948. Records available: 1948-62. Monthly low from recorder graph. Affected by pumping. For additional measurements, see Hahn and Wosinski (1960), Johnson (1961), and Hansen and Schiner (1963).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1958	13.27	Apr. 4, 1959	10.91	July 2, 1960	9.62	Oct. 7, 1961	10.83
Feb. 27	13.28	May 29	12.03	Aug. 28	11.05	Nov. 4	10.45
Mar. 1	13.26	June 13	12.88	Sept. 3	11.38	Dec. 9	9.54
Apr. 5	11.83	July 3	12.59	Oct. 22	11.96	Jan. 27, 1962	8.01
May 30	11.59	Aug. 29	11.77	Nov. 24	10.88	Feb. 10	8.16
June 28	12.40	Sept. 26	11.56	Dec. 10	11.48	Mar. 2	7.78
July 4	12.61	Oct. 3	11.77	Jan. 1, 1961	7.71	Apr. 7	7.07
Aug. 30	12.85	Nov. 7	11.47	Feb. 26	11.11	May 12	6.90
Sept. 20	12.90	Dec. 12	10.87	Mar. 4	11.88	June 30	8.08
Oct. 4	12.12	Jan. 30, 1960	10.63	Apr. 1	10.87	July 4	8.14
Nov. 8	11.64	Feb. 6	10.67	May 27	8.32	Aug. 31	9.13
Dec. 20	11.34	Mar. 31	9.66	June 10	10.18	Sept. 1	9.13
Jan. 24, 1959	11.36	Apr. 2	9.88	July 1	9.26	Oct. 31	7.61
Feb. 28	11.54	May 7	9.43	Aug. 31	10.65	Nov. 2	8.04
Mar. 1	11.52	June 25	9.40	Sept. 16	11.17	Dec. 7	8.05

Washington County

Cha 18. Formerly Charlestown 18. U. S. Naval Auxiliary Air Station. Post Rd. Near Charlestown. Lat 41°22'21", long 71°39'43". Drilled unused water-table well in sand and clay of Pleistocene age, diam 8 in, depth 32 ft, cased with steel to 32, open end. Lsd 28.4 ft above msl. MP top of casing, at lsd. Highest water level 12.79 below lsd, Apr. 25, 1953 lowest 21.43 below lsd, Oct. 28, Nov. 30, 1949. Records available: 1946-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	15.96	Apr. 29, 1959	15.79	July 29, 1960	18.78	Oct. 31, 1961	16.45
Feb. 25	16.73	May 28	17.01	Aug. 31	19.73	Nov. 30	17.72
Mar. 25	14.53	June 29	17.39	Sept. 29	19.83	Dec. 28	17.51
Apr. 25	13.44	July 29	16.31	Oct. 28	20.06	Jan. 31, 1962	15.45
May 23	13.99	Aug. 27	17.83	Nov. 30	19.56	Feb. 28	16.00
June 27	15.97	Sept. 24	19.07	Dec. 28	19.26	Mar. 29	15.39
July 30	17.17	Oct. 28	20.09	Jan. 31, 1961	18.53	Apr. 26	16.35
Aug. 27	17.93	Nov. 25	20.17	Feb. 28	17.50	May 25	17.65
Sept. 25	18.06	Dec. 23	18.60	Mar. 31	15.83	June 28	18.22
Oct. 23	17.98	Feb. 1, 1960	18.13	Apr. 28	14.20	July 26	18.72
Nov. 21	18.16	26	16.37	May 26	14.95	Aug. 30	19.71
Dec. 29	18.38	Mar. 28	15.98	June 29	15.88	Sept. 28	20.26
Jan. 29, 1959	18.81	Apr. 29	15.64	July 28	17.49	Oct. 29	19.22
Feb. 26	18.33	May 31	17.10	Aug. 28	17.85	Nov. 26	17.43
Mar. 26	15.91	June 30	17.98	Sept. 28	15.42	Dec. 26	17.19

Exe 6. Formerly Exeter 6. State Dept. of Agriculture and Conservation. Formerly Wood River Picnic Area. Arcadia State Forest. Ten Rod Rd. Near Millville. Lat 41°34'23", long 71°43'19". Dug unused water-table well in sand and gravel of Pleistocene age, diam 30 in, depth 10 ft, cased with concrete. Lsd about 130 ft above msl. MP arrow painted at hole on east side of concrete cover, at lsd. Highest water level 3.75 below lsd, Nov. 5, 1955; lowest 7.74 below lsd, Sept. 27, 1957. Records available: 1946, 1948-62. Affected by nearby stream stage.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1958	4.36	Apr. 29, 1959	4.90	July 28, 1960	7.01	Oct. 31, 1961	6.26
Feb. 25	5.63	May 29	6.05	Aug. 31	7.38	Nov. 30	6.12
Mar. 26	4.26	June 30	6.20	Sept. 29	6.81	Dec. 28	6.29
Apr. 25	4.53	July 29	6.31	Oct. 28	6.82	Jan. 31, 1962	5.62
May 23	4.94	Aug. 28	6.95	Nov. 30	6.66	Feb. 28	5.65
June 27	5.92	Sept. 25	7.19	Dec. 28	6.08	Mar. 29	5.16
July 30	6.12	Oct. 28	6.64	Jan. 31, 1961	6.32	Apr. 26	5.29
Aug. 27	5.76	Nov. 27	6.37	Feb. 28	4.34	May 25	5.85
Sept. 25	6.58	Dec. 24	5.79	Mar. 31	5.18	June 28	6.45
Oct. 23	6.16	Feb. 2, 1960	5.84	Apr. 28	4.71	July 26	6.95
Nov. 21	6.15	25	5.15	May 26	5.46	Aug. 30	7.06
Dec. 29	6.34	Mar. 25	5.28	June 29	5.82	Sept. 28	6.98
Jan. 29, 1959	6.43	May 2	5.46	July 28	6.58	Oct. 29	6.55
Feb. 26	6.20	31	6.07	Aug. 29	6.89	Nov. 26	5.50
Mar. 26	5.01	July 1	6.70	Sept. 28	5.25	Dec. 26	6.05

Exe 16. Formerly Exeter 16. State Dept. of Public Welfare. Dr. Joseph H. Ladd School. Formerly State of Rhode Island. Exeter School. Near Exeter. Lat 41°33'07", long 71°32'37". Driven unused water-table well in sand and gravel of Pleistocene age, diam 2½ in, depth 27 ft, cased with iron pipe to 27. Lsd 154.47 ft above msl. MP top of casing, 3.03 ft above lsd (since Jan. 26, 1962). Highest water level 7.38 below lsd, Apr. 15, 1953; lowest 15.40 below lsd, Oct. 30, 1957. Records available: 1946-62. Monthly lows from biweekly measurements through June 1960; end-of-month measurements thereafter. For additional measurements, see Hahn and Wosinski (1960), Johnson (1961), Allen, Hahn, and Tuttle (1963), and Hansen and Schiner (1963).

Jan. 9, 1958	13.37	Apr. 1, 1959	10.00	July 29, 1960	12.52	Oct. 31, 1961	11.55
Feb. 4	10.74	May 27	10.35	Aug. 31	13.62	Nov. 30	11.81
Mar. 5	9.27	June 24	10.97	Sept. 29	13.66	Jan. 2, 1962	11.78
Apr. 2	8.30	July 8	11.54	Oct. 28	14.18	31	10.15
May 14	7.94	Aug. 19	12.23	Nov. 30	13.55	Feb. 28	10.64
June 25	8.68	Sept. 30	13.36	Dec. 28	13.18	Mar. 29	9.48
July 23	10.18	Oct. 14	13.57	Jan. 31, 1961	13.37	Apr. 26	9.22
Aug. 20	10.38	Nov. 25	14.05	Feb. 28	12.00	May 25	10.37
Sept. 17	10.72	Dec. 9	13.43	Mar. 31	10.65	June 28	11.31
Oct. 15	10.62	Jan. 4, 1960	12.46	Apr. 28	9.30	July 26	11.88
Nov. 12	10.22	Feb. 2	12.00	May 26	8.90	Aug. 30	12.96
Dec. 22	10.05	Mar. 2	10.34	June 29	9.67	Sept. 28	13.65
Jan. 21, 1959	11.10	Apr. 27	9.49	July 28	10.92	Oct. 29	11.89
Feb. 4	11.25	May 25	10.19	Aug. 28	12.02	Nov. 26	10.30
Mar. 4	11.15	June 22	11.27	Sept. 27	11.34	Dec. 26	10.09

e Estimated.

Nok 26a. Formerly North Kingstown 26a. North Kingstown Water Comm. pumping station. Oak Hill Rd. Near Belleville. Lat 41°33'25", long 71°29'01". Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in, depth 31 ft, cased with iron pipe to 31, open end. Lsd 58.75 ft above msl. MP top of casing, at lsd. Highest water level 9.40 below lsd, June 1, 1948; lowest 19.3 below lsd, June 18, July 21, 1957. Records available: 1947-62. Measurements, made by owner, are monthly lows from daily tape measurements, made about 10 hours after Nok 26 is shut off. Well 4 ft from public-supply well Nok 26. Pumpage from Nok 26 reduced February 1959. For additional measurements, see Hahn and Wosinski (1960), Johnson (1961), and Hansen and Schiner (1963). Measurement discontinued.

Jan. 15, 1958	14.3	Feb. 19, 1959	12.6	Mar. 13, 1960	11.8	Apr. 16, 1961	12.9
Feb. 25	15.0	Mar. 1	11.4	Apr. 22	12.4	May 20	14.3
Mar. 20	15.0	Apr. 27	11.3	May 1	14.1	June 28	14.0
Apr. 28	15.0	May 27	12.2	June 29	14.8	July 14	14.8
May 15	15.3	June 9	12.5	July 1	13.5	Aug. 24	14.8
June 30	15.6	July 8	12.6	Aug. 6	14.0	Sept. 8	14.5
July 1	15.8	Aug. 19	12.4	Sept. 6	13.4	Oct. 27	12.8
Aug. 6	15.8	Sept. 27	13.3	Oct. 17	12.7	Nov. 5	14.1
Sept. 8	15.6	Oct. 2	12.3	Nov. 23	12.7	Dec. 11	12.9
Oct. 22	15.7	Nov. 23	11.9	Dec. 14	12.4	Jan. 30, 1962	12.3
Nov. 2	15.3	Dec. 18	11.9	Jan. 23, 1961	13.8	Feb. 18	12.2
Dec. 24	12.3	Jan. 31, 1960	11.8	Feb. 5	13.3	Mar. 26	12.6
Jan. 20, 1959	12.8	Feb. 29	12.4	Mar. 4	12.0	Apr. 26	12.0

Nok 26a--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 12, 1962	12.5	July 26, 1962	14.9	Sept. 3, 1962	14.7	Nov. 26, 1962	12.0
June 4	14.8	Aug. 6	15.9	Oct. 28	12.6	Dec.	12.5

e Estimated.

Ric 231. Formerly Richmond 231. N. D. MacLeod. Narragansett Trail. Near Wood River Jct. Lat 41°27'16", long 71°41'54". Dug unused water-table well in sand and gravel of Pleistocene age, diam 30 in (previously reported 24 in), depth 29 ft (previously reported 28 ft), lined with stone. Lsd about 84 ft above msl. MP northwest corner of stone curb, at lsd. Highest water level 20.65 below lsd, May 23, 1958; lowest 28.15 below lsd, Nov. 25, 1957. Records available: 1955-62.

Jan. 31, 1958	25.30	Apr. 29, 1959	22.67	July 29, 1960	25.16	Oct. 31, 1961	23.70
Feb. 25	24.18	May 28	23.17	Aug. 31	25.99	Nov. 30	24.37
Mar. 25	23.50	June 30	23.90	Sept. 29	26.62	Dec. 28	24.77
Apr. 25	21.19	July 30	24.18	Oct. 28	27.06	Jan. 31, 1962	23.07
May 23	20.65	Aug. 28	24.53	Nov. 30	27.28	Feb. 28	23.44
June 27	21.23	Sept. 24	25.16	Dec. 28	27.28	Mar. 29	22.45
July 30	22.25	Oct. 28	26.01	Jan. 31, 1961	26.28	Apr. 26	22.36
Aug. 27	23.18	Nov. 25	26.62	Feb. 28	25.74	May 25	22.92
Sept. 25	23.73	Dec. 24	26.63	Mar. 31	24.57	June 28	23.92
Oct. 23	23.40	Feb. 2, 1960	26.12	Apr. 28	22.86	July 26	24.60
Nov. 21	23.84	25	25.90	May 26	22.25	Aug. 30	25.48
Dec. 29	24.11	Mar. 25	24.38	June 29	22.21	Sept. 28	26.17
Jan. 29, 1959	24.40	May 2	23.21	July 28	23.03	Oct. 29	26.60
Feb. 26	24.57	31	23.73	Aug. 29	24.05	Nov. 26	26.37
Mar. 26	23.64	July 1	24.45	Sept. 28	24.17	Dec. 26	26.00

Sok 6. Formerly South Kingstown 6. University of Rhode Island. Thirty Acre P'd., Kingstown. Lat 41°29'18" (previously reported 41°28'50"), long 71°32'11". Drilled unused water-table well in sand and gravel of Pleistocene age, diam 10 in, depth 34 ft, cased with steel. Lsd 111.89 ft above msl. MP top of casing, at lsd (since July 29, 1960). Highest water level 7.92 below lsd, Apr. 12, 13, 1958; lowest 14.19 below lsd, Nov. 4, 1947 (previously reported 14.13 below lsd, Oct. 30-Nov. 3, 1957). Records available: 1947, 1955-62. Recording gage removed July 5, 1960. Low on end-of-month from recorder graph through June 1960; end-of-month measurements thereafter. For additional measurements, see Hahn and Wosinski (1960), Johnson (1961), and Allen, Hahn, and Tuttle (1963).

Jan. 31, 1958	10.57	Apr. 30, 1959	10.66	July 29, 1960	13.33	Oct. 31, 1961	11.66
Feb. 28	10.75	May 31	11.40	Aug. 31	13.93	Nov. 30	12.20
Mar. 31	9.30	June 30	11.35	Sept. 29	13.72	Dec. 28	12.24
Apr. 30	8.11	July 31	11.64	Oct. 28	13.96	Jan. 31, 1962	10.94
May 31	9.25	Aug. 31	12.38	Nov. 30	13.74	Feb. 28	11.09
June 30	10.70	Sept. 30	12.94	Dec. 28	12.80	Mar. 29	10.58
July 31	11.77	Oct. 31	13.30	Jan. 31, 1961	13.07	Apr. 26	11.16
Aug. 31	12.00	Nov. 30	13.20	Feb. 28	10.94	May 25	12.16
Sept. 30	11.89	Dec. 27	12.24	Mar. 31	11.17	June 28	12.75
Oct. 31	11.56	Jan. 31, 1960	11.58	Apr. 28	9.27	July 26	13.11
Nov. 30	11.83	Feb. 29	9.55	May 26	10.42	Aug. 30	13.11
Dec. 31	12.09	Mar. 31	10.34	June 29	11.20	Sept. 28	13.37
Jan. 31, 1959	12.02	Apr. 30	10.13	July 28	12.21	Oct. 29	12.80
Feb. 28	11.87	May 31	11.19	Aug. 28	12.55	Nov. 26	11.61
Mar. 31	10.45	June 30	12.20	Sept. 28	11.25	Dec. 26	10.80

Sok 515. Formerly South Kingstown 515. R. R. Holley. Laurel Lane Golf Course. Near West Kingstown. Lat 41°29'23", long 71°36'16". Dug unused water-table well in sand and gravel of Pleistocene age, diam 36 in, depth 30 ft, lined with stone. Lsd 127.84 ft above msl. MP top edge of hole in center of wood cover, 0.82 ft above lsd (since July 6, 1961). Highest water level 24.38 below lsd, Apr. 18, 1958; lowest 30.10 below lsd, Oct. 18-20, 1957. Records available: 1955-62. Recording gage removed July 6, 1960. Monthly low from recorder graph through June 1960; end-of-month measurements thereafter. For additional measurements, see Hahn and Wosinski (1960), Johnson (1961), and Allen, Hahn, and Tuttle (1963).

Jan. 9, 1956	27.16	Nov. 16, 1956	29.43	Sept. 30, 1957	29.99	July 31, 1958	27.64
Feb. 1	26.96	Dec. 1	28.99	Oct. 18	30.10	Aug. 26	28.23
Mar. 1	25.95	Jan. 22, 1957	27.80	Nov. 1	29.97	Sept. 26	28.27
Apr. 1	25.56	Feb. 27	27.51	Dec. 1	29.45	Oct. 1	28.11
May 31	26.73	Mar. 1	27.50	Jan. 1, 1958	27.72	Nov. 30	27.30
June 30	27.58	Apr. 1	26.93	Feb. 27	26.27	Dec. 31	27.46
July 31	27.98	May 31	27.25	Mar. 1	26.26	Jan. 31, 1959	27.59
Aug. 31	28.88	June 30	28.37	Apr. 1	25.05	Feb. 5	27.65
Sept. 28	29.38	July 31	29.34	May 31	25.37	Mar. 1	27.17
Oct. 6	29.44	Aug. 31	29.74	June 30	26.59	Apr. 30	26.00

Sok 515--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 31, 1959	26.99	Apr. 30, 1960	25.97	Mar. 31, 1961	25.85	Feb. 28, 1962	26.89
June 14	27.35	May 31	26.93	Apr. 28	24.82	Mar. 29	25.69
July 11	27.42	June 30	27.85	May 26	25.81	Apr. 26	26.04
Aug. 31	28.28	July 29	28.56	June 29	26.48	May 25	27.06
Sept. 30	28.94	Aug. 31	29.26	July 28	27.65	June 28	27.63
Oct. 23	29.23	Sept. 29	28.92	Aug. 28	28.47	July 26	28.09
Nov. 23	28.99	Oct. 28	28.99	Sept. 27	26.89	Aug. 30	28.87
Dec. 1	28.73	Nov. 30	28.47	Oct. 31	26.80	Sept. 28	29.26
Jan. 31, 1960	27.21	Dec. 28	28.02	Nov. 30	27.22	Oct. 29	27.55
Feb. 29	26.23	Jan. 31, 1961	27.42	Dec. 28	27.22	Nov. 26	26.27
Mar. 31	26.23	Feb. 28	26.69	Jan. 31, 1962	26.04	Dec. 26	26.29

Wes 401. Charles W. Holt. Old Post Rd. North of Westerly State Airport. Near Westerly. Lat 41°22'25", long 71°47'31". Dug unused water-table well in sand and gravel of Pleistocene age, diam 36 in, depth 11 ft, lined with stone. Lsd about 45 ft above msl. MP top edge of top stone on southwest rim of well, at lsd. Highest water level 4.48 below lsd, Apr. 28, 1961; lowest 9.95 below lsd, Aug. 31, 1960. Records available: 1959-62.

May 29, 1959	7.38	May 2, 1960	6.73	Mar. 31, 1961	6.68	Feb. 28, 1962	5.64
June 30	7.15	31	7.43	Apr. 28	4.48	Mar. 29	5.91
July 30	7.07	July 1	8.49	May 25	5.85	Apr. 26	6.45
Aug. 27	8.33	28	9.10	June 29	6.21	May 25	7.45
Sept. 24	9.29	Aug. 31	9.95	July 28	7.48	June 28	7.61
Oct. 28	9.23	Sept. 29	8.29	Aug. 28	7.36	July 26	8.40
Nov. 25	9.09	Oct. 28	8.93	Sept. 28	5.01	Aug. 30	9.31
Dec. 24	7.90	Nov. 30	8.77	Oct. 31	7.01	Sept. 28	9.85
Feb. 2, 1960	8.16	Dec. 28	7.87	Nov. 30	6.79	Oct. 29	8.60
25	6.75	Jan. 31, 1961	8.50	Dec. 28	6.71	Nov. 26	7.14
Mar. 25	6.76	Feb. 28	6.39	Jan. 31, 1962	6.22	Dec. 26	7.72

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